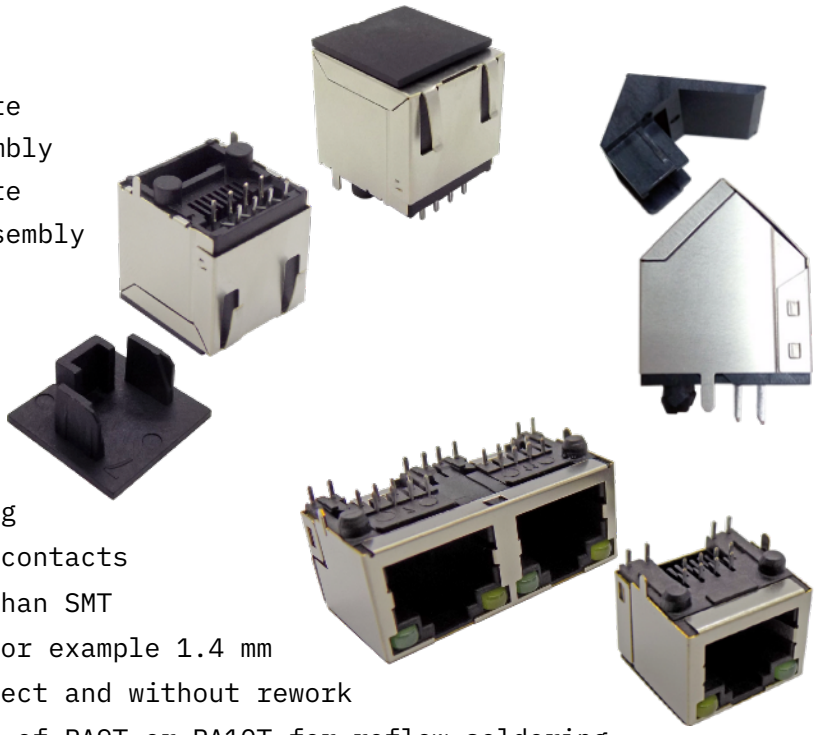
Modular Jack - Pin in Paste

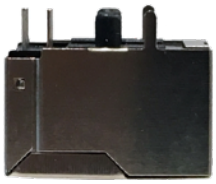
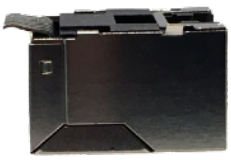
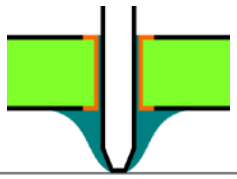
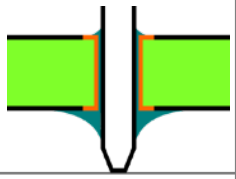
Description

Connectors are often the only non SMT component and therefore require separate process to wave solder and manual assembly of the connectors. Inelco's Pin in Paste jacks are best suited for automatic assembly



Advantages

- Reliability and yield
- Fully automated handling and soldering
- Easier to assemble than the long THT contacts
- More resistant to mechanical forces than SMT
- Custom contact length is available, for example 1.4 mm
- Perfect soldering without whisker effect and without rework
- High temperature withstanding housing of PA9T or PA10T for reflow soldering
- Tape and reel packaging
- Mylar or pick and place pad for top entry and angled type

Soldering Technology	THT Through-Hole Technology	THR Through-Hole-Reflow	PiP Pin in Paste	SMT Surface Mount Technology
Contact Design				
Soldered Contacts				
Solder Process	Hand / Wave	Reflow	Reflow / Wave	Reflow / Wave
Plastic	PBT / FR52	PA9T / PA10T	PA9T / PA10T	PA9T / PA10T
Board Assembly	Manual	Manual	Pick and Place Machine	Pick and Place Machine

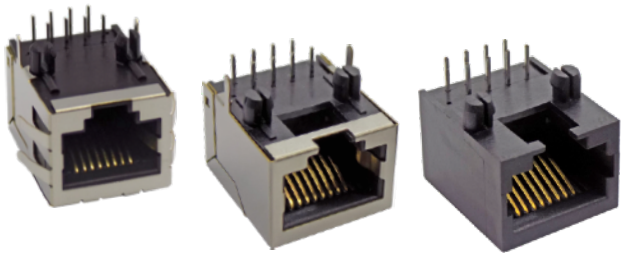
Modular Jacks

INELCO has one of the broadest ranges of modular connectors, which INELCO named MODCON®. As a leading manufacturer of modular jacks we develop and improve our product according to our customer's needs.

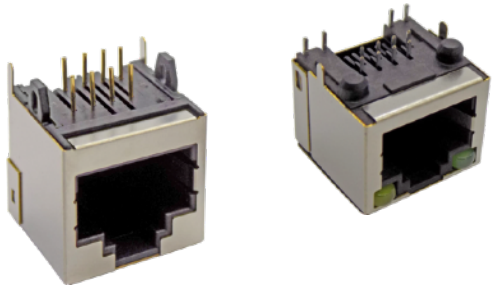
Features
- Low profile, short body
- Single or multi port
- with or without LEDs
- single or bi-color LEDs, many colors

Specifications
- THT, THR, PiP, SMT, EDGE
- Cat5, Cat5e, Cat6, Cat6A
- unshielded or shielded
- with or without EMI tabs
- 6 ... 50 µ" gold plating, std 30 µ"

Side Entry
Latch Down

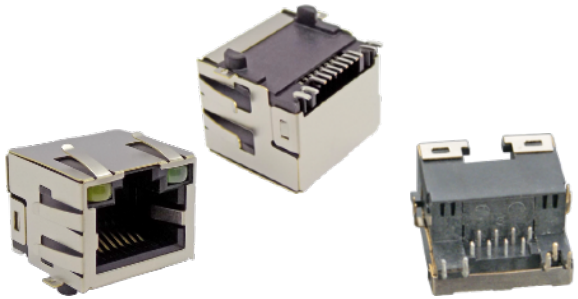


Side Entry
Latch Up

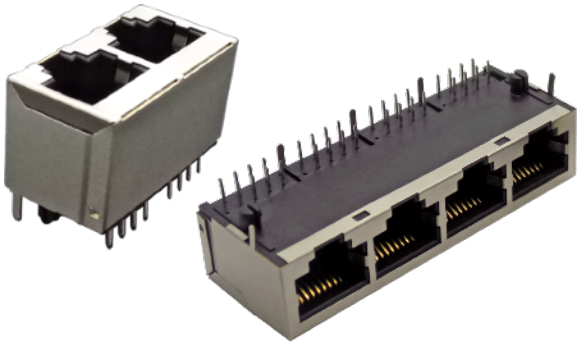


Top Entry
Straight & Angled

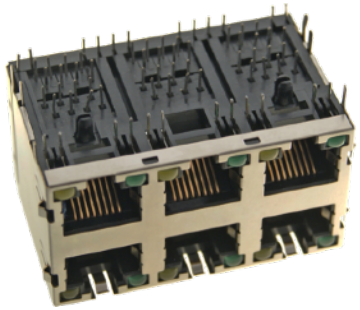
SMT, Card Edge

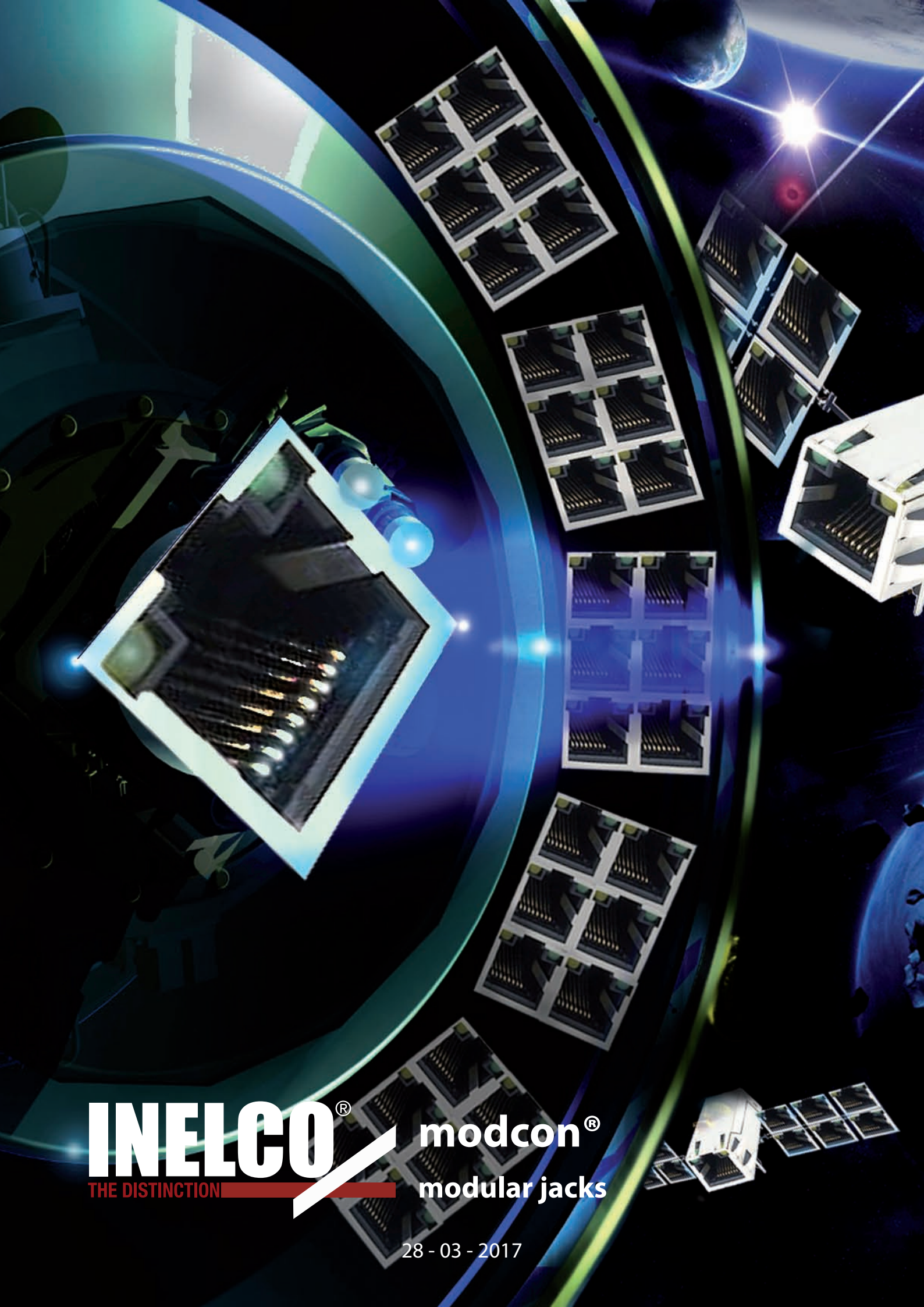


Harmonica



Doublestack





INELCO®

THE DISTINCTION

modcon®

modular jacks

28 - 03 - 2017

INELCO the home of unparalleled quality and service in INterconnection and ELectronic COmponents is a European driven company, manufactoring European ideas, solutions and quality in Asia.
INELCO's mission is to fulfill the requirements of their partners and customers and remains the best choice for cost-effective solutions. INELCO is the supplier of interconnection and electronic components and systems for networking, telecommunications and industrial applications. INELCO's product range includes modular (Western) plugs and jacks (modcon®), with and without integrated transformers (intrajack®), shielded and unshielded as well as terminals (voice services®), SFPs (compu-shield®), M12 (circon®), discrete components (discom® transformers, coils and inductors), USBs and other additional products and services.

Product Overview

modcon® - modular jacks

Technical Specification

Voltage Rating	125 VAC
Current Rating	1.5 A
Contact Resistance	30 mΩ max.
Insulation Resistance	1,000 MΩ min.
Withstanding Voltage	1,000 V AC 60 Hz 1 min.
Housing	High Temp. Polycarbonate or Polyester, UL 94 V-0/ UL 94 V-2
Shield	Copper Alloy Nickel Plated T = 0.25 mm
Contacts	Phosphor Bronze
Plating	Gold over Nickel
Selective Goldplating	3/ 6/ 15/ 30/ 50 µ"
Durability	500 ... 2,500 Mating Cycles min.
Storage Temperature	-40°C to +85°C
Operation Temperature	-40°C to +85°C

Mates with Modular Plug Conforming to ANSI/ TIA-1096-A

Part Numbers

J X C P (N N) Y Z - G

- **G**old Plating, selective: standard = 30µ" / G03 = 3µ" / G15 = 15µ" / G50 = 50µ"
- **Options:**
- **N**umber of Ports upper and lower row
- Number of **C**ontacts and **P**ositions
- Shielding: **U**: **U**nshielded, **S: S**hielded
- Jack Type: **J:** Modular **J**ack

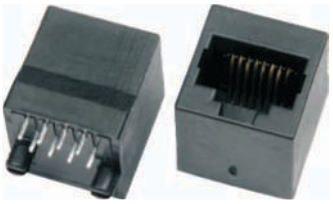
- A:	Angled
- CC:	Contact Carrier
- C6:	Cat6
- D:	Dip
- DP:	Dip Soldering Peg
- EDGE:	Card Edge
- E5:	Cat5e
- FE:	Ferrum
- H:	Horizontal
- LL:	With LEDs
- LP:	Low Profile
- LU:	Latch Up
- O:	High Profile
- PF:	Front Peg
- Q:	Economy Version
- SB :	Short Body
- SMT:	Surface Mounted Technology
- SW:	Switch
- T6:	Enhanced Shield with EMI-Tabs
- V:	Vertical (Top Entry)
- W:	White
- Z:	Press Fit

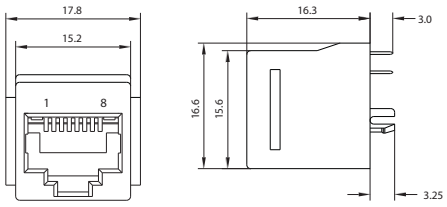
Product Overview

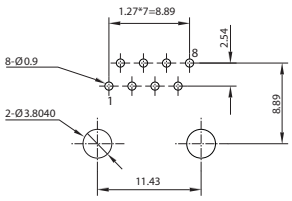
modcon® - modular jacks

Top Entry 8P PCB Jack UTP

JU88V



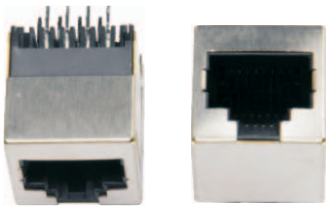


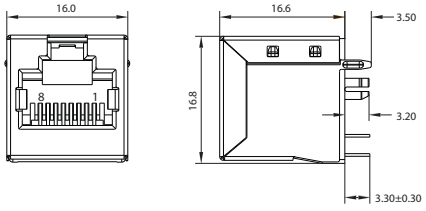


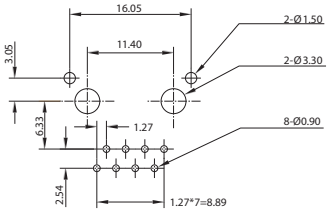
PC Board Layout
Component Side Shown

Top Entry 8P PCB Jack STP

JS88VPF



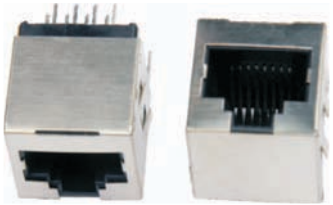


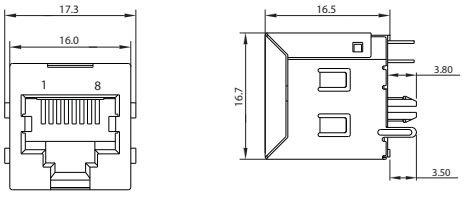


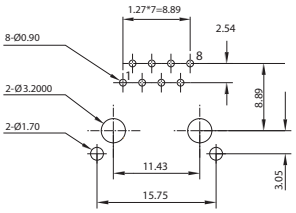
PC Board Layout
Component Side Shown

Top Entry PCB Jack STP

JS88VT6PF





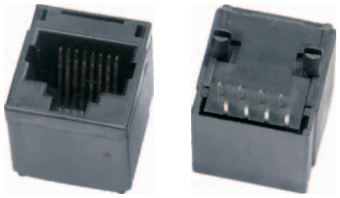


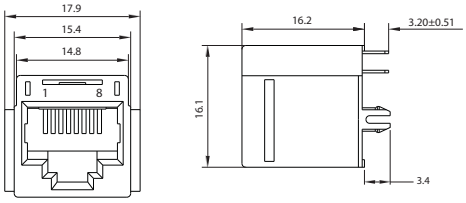
PC Board Layout
Component Side Shown

modcon® - modular jacks

Top Entry 8P PCB Jack UTP

JU88VD

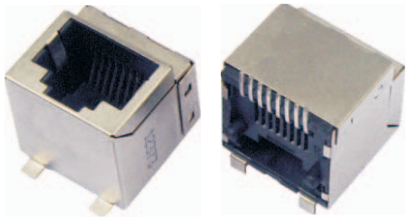


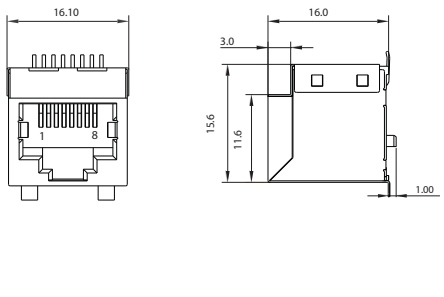


PC Board Layout
Component Side Shown

Top Entry 8P SMT Jack STP

JS88VDSMT

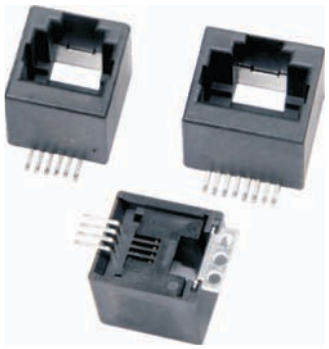


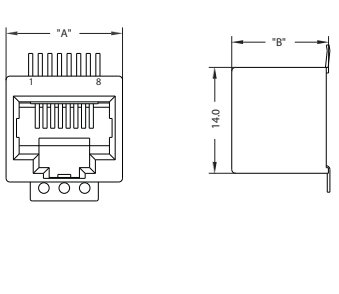


PC Board Layout
Component Side Shown

Top Entry 4P, 6P, 8P SMT Jack UTP

JUCPVSMT





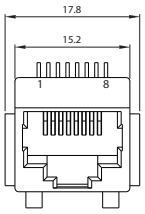
PC Board Layout
Component Side Shown

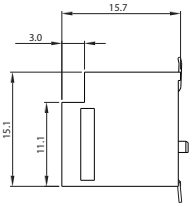
Part Number	Type / DIM	"A±0.2"	"B±0.2"	"C"
JU44VSMT	4P	13.2	12.8	3.81
JU66VSMT	6P	13.2	12.8	6.35
JU88VSMT	8P	15.4	12.8	8.89

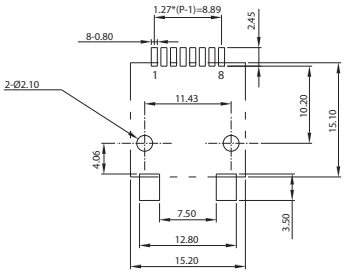
modcon® - modular jacks

Top Entry 8P SMT Jack UTP

JU88VDSMT



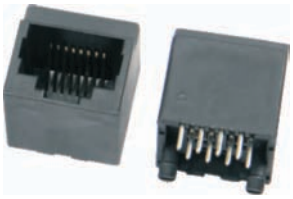


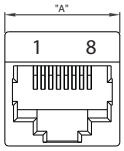


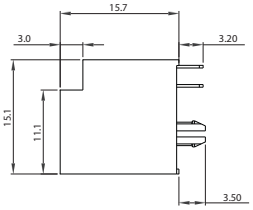
PC Board Layout
Component Side Shown

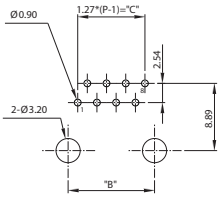
Top Entry 4P, 6P, 8P PCB Jack UTP

JUCPVD







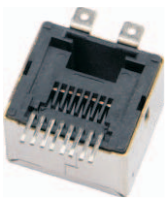


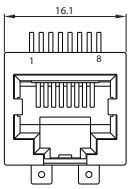
PC Board Layout
Component Side Shown

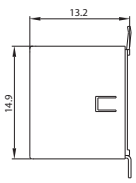
Part Number	TYPE / DIM	"A±0.2"	"B±0.2"	"C"
JU44VD	4P	11.2	7.62	3.81
JU66VD	6P	13.2	10.16	6.35
JU88VD	8P	15.2	11.43	8.89

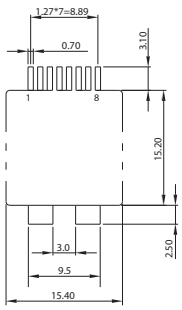
Top Entry 8P SMT Jack STP

JS88VSMT







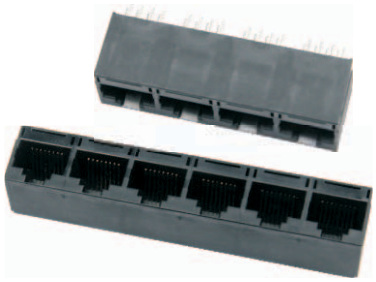


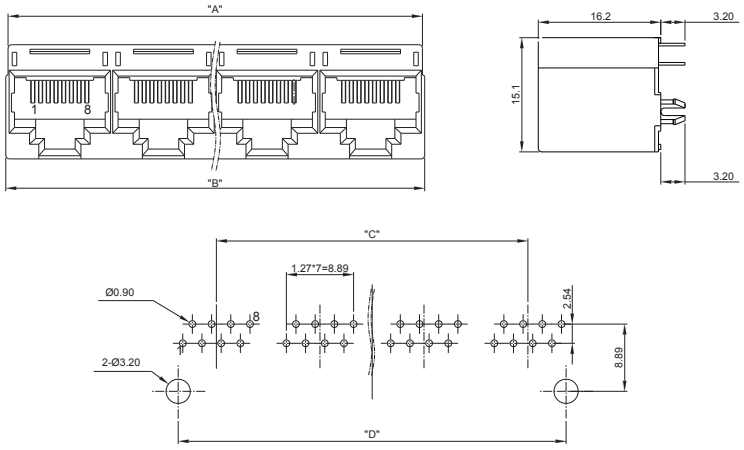
PC Board Layout
Component Side Shown

modcon® - modular jacks

Top Entry 1*N 8P PCB Jack UTP

JU880NV



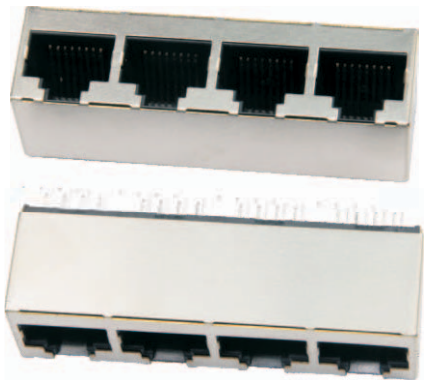


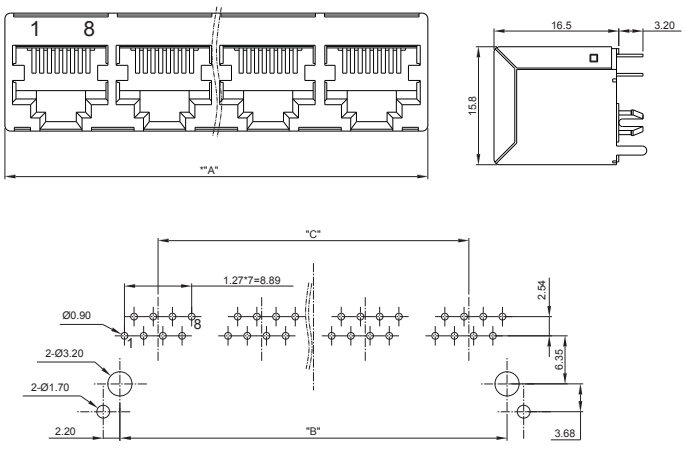
PC Board Layout
Component Side Shown

Part Number	TYPE / DIM	"A±0.2"	"B±0.2"	"C"	"D"
JU8802V	1x2	27.4	28.0	13.70	23.80
JU8804V	1x4	54.8	55.4	41.10	51.20
JU8805V	1x5	68.5	69.1	54.80	64.90
JU8806V	1x6	82.2	82.8	68.50	78.60
JU8808V	1x8	109.6	102.2	95.90	106.00

Top Entry 1*N 8P PCB Jack STP

JS880NV





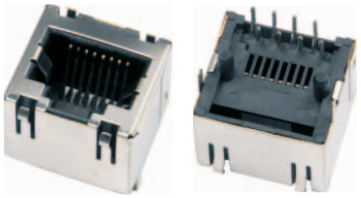
PC Board Layout
Component Side Shown

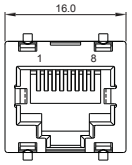
Part Number	TYPE / DIM	"A±0.2"	"B±0.2"	"C"
JS8802V	1x2	28.6	23.8	13.70
JS8804V	1x4	56.0	51.2	41.10
JS8806V	1x6	83.4	78.6	68.50
JS8808V	1x8	110.8	106.0	95.90

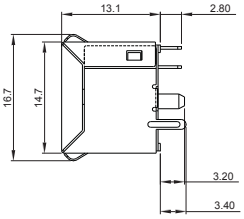
modcon® - modular jacks

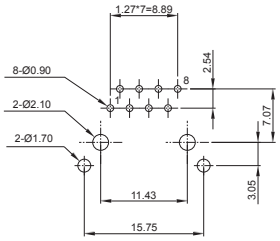
Top Entry L/P 8P PCB Jack STP 13.1 mm H

JS88VLP





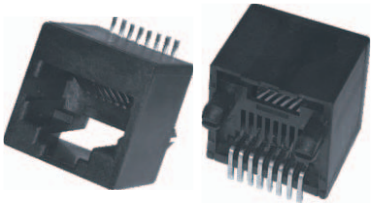


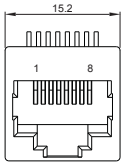


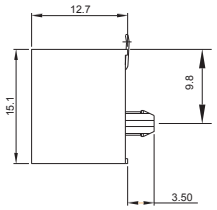
PC Board Layout
Component Side Shown

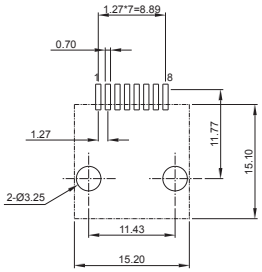
Top Entry L/P 8P SMT Jack UTP 12.7 mm H

JU88VLPSMT





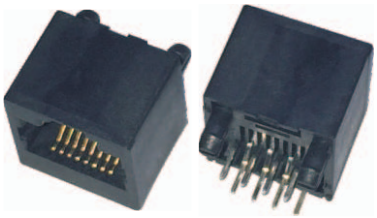


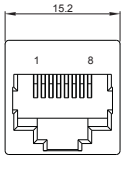


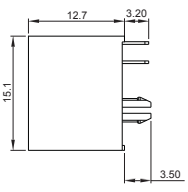
PC Board Layout
Component Side Shown

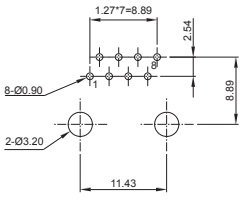
Top Entry L/P 8P PCB Jack DIP UTP 12.7 mm H

JU88VLP







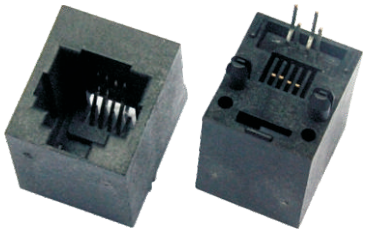


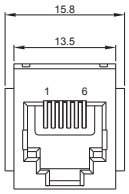
PC Board Layout
Component Side Shown

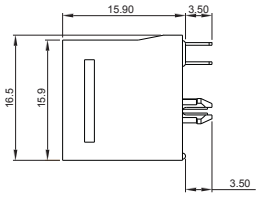
modcon® - modular jacks

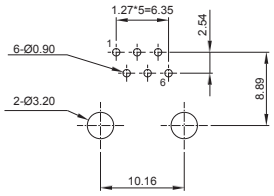
Top Entry 6P PCB Jack UTP

JUC6V





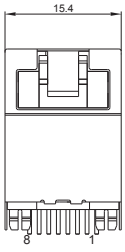


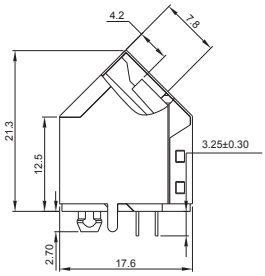


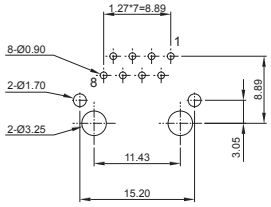
PC Board Layout
Component Side Shown

45° 8P PCB Jack STP

JS88A



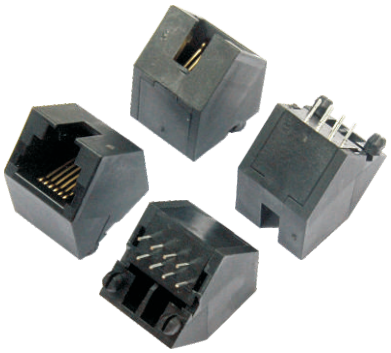


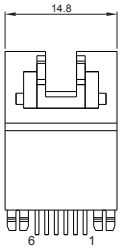


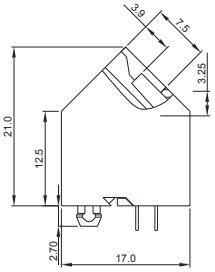
PC Board Layout
Component Side Shown

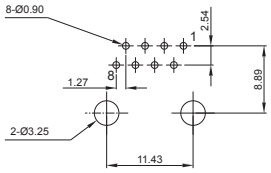
45° 8P PCB Jack

JU88A







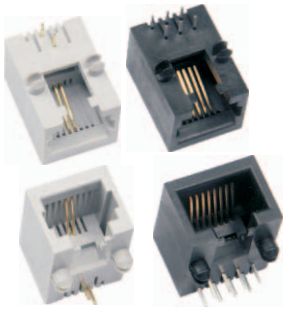


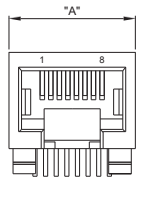
PC Board Layout
Component Side Shown

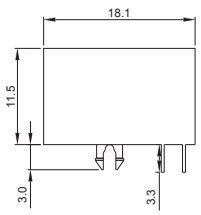
modcon® - modular jacks

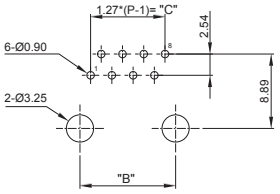
Side Entry L/P 6P, 8P PCB Jack UTP

JUCPLP







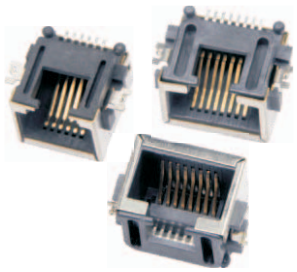


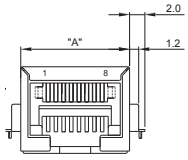
PC Board Layout
Component Side Shown

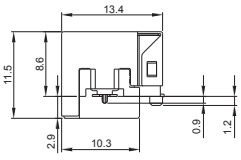
Part Number	TYPE / DIM	"A±0.2"	"B±0.2"	"C"
JU66LP	6P	13.2	10.16	6.35
JU88LP	8P	15.1	11.43	8.89

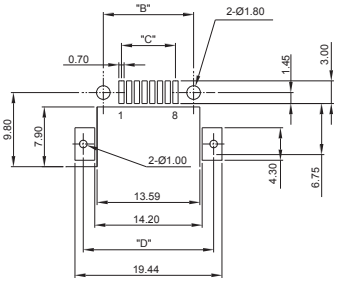
Side Entry 6P, 8P SMT Jack Card Edge STP

JSCPEDGESMT







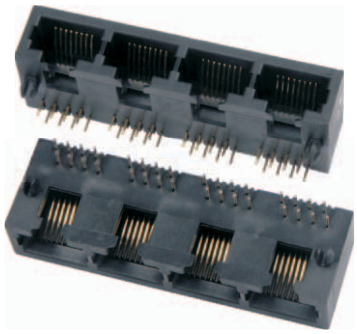


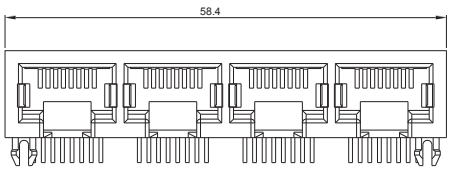
PC Board Layout
Component Side Shown

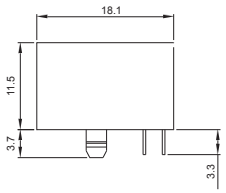
Part Number	TYPE / DIM	"A±0.2"	"B±0.2"	"C"	"D"
JS66EDGESMT	6P	11.7	9.89	5.10	15.20
JS88EDGESMT	8P	14.4	11.94	7.14	17.24

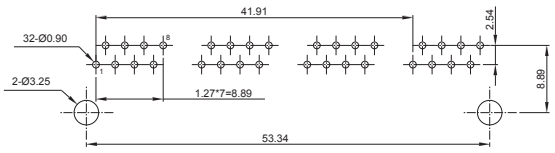
Side Entry L/P 1*4 8P PCB Jack UTP

JU8804LP









PC Board Layout
Component Side Shown

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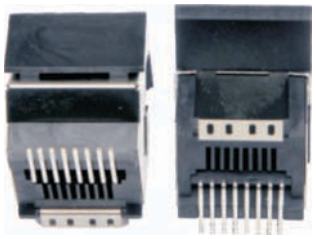
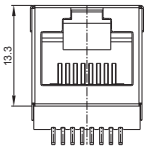
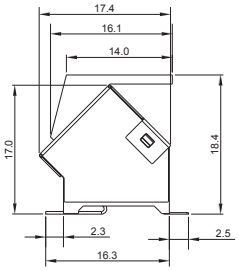
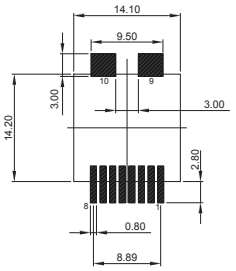
Side Entry 8P SMT Jack UTP

JU88ASMT





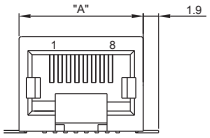


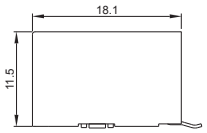


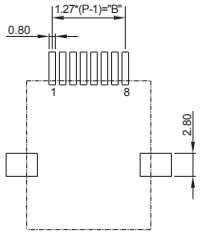
PC Board Layout
Component Side Shown

Side Entry 4P, 6P, 8P SMT Jack UTP

JUCPSMT3





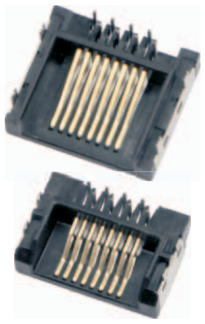


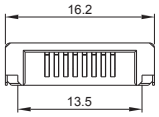
PC Board Layout
Component Side Shown

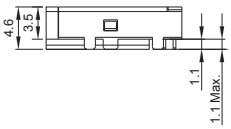
Part Number	TYPE / DIM	"A±0.2"	"B±0.2"
JU44SMT3	4P	11.2	3.81
JU66SMT3	6P	13.2	6.35
JU88SMT3	8P	15.1	8.89

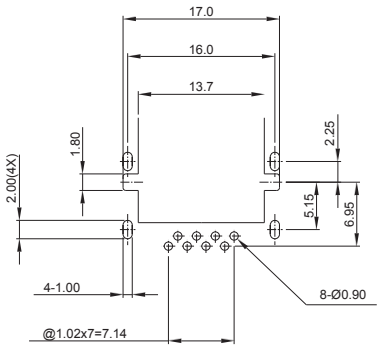
Side Entry 8P Half PCB Jack UTP

JU88CC









PC Board Layout
Component Side Shown

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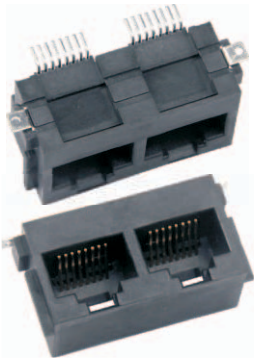
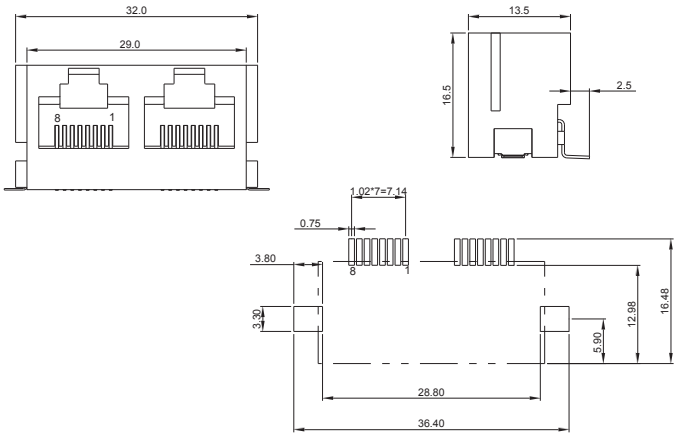
Side Entry 1*2 8P SMT Jack UTP

JU8802LUSMT

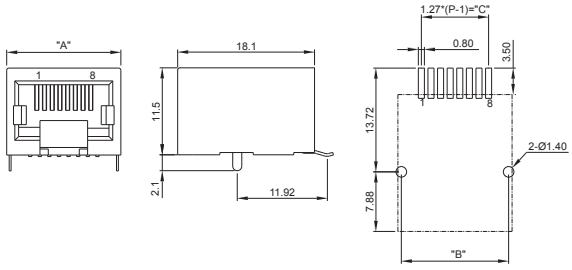




PC Board Layout
Component Side Shown

Side Entry 4P, 6P, 8P SMT Jack UTP

JUCPSMT1



PC Board Layout
Component Side Shown

Part Number	TYPE / DIM	"A±0.2"	"B±0.2"	"C"
JU44SMT1	4P	11.2	10.16	3.81
JU66SMT1	6P	13.2	12.16	6.35
JU88SMT1	8P	15.1	14.19	8.89

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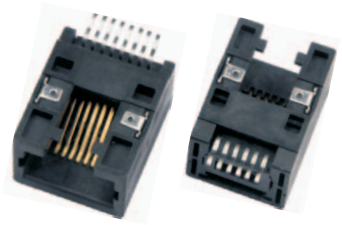
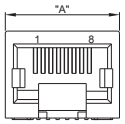
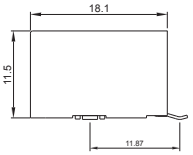
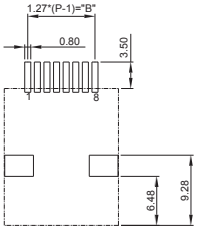
Side Entry 6P, 8P SMT Jack UTP

JUCPSMT2







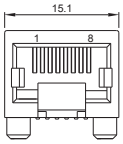


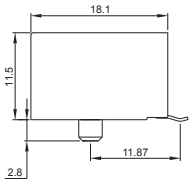
PC Board Layout
Component Side Shown

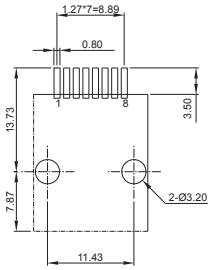
Part Number	TYPE / DIM	"A±0.2"	"B±0.2"
JU66SMT2	6P	13.2	6.35
JU88SMT2	8P	15.1	8.89

Side Entry 8P SMT Jack UTP

JU88DSMT



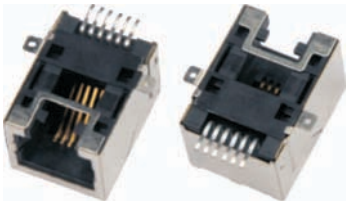


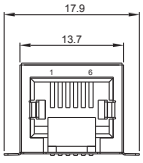


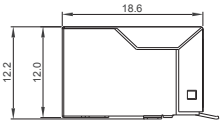
PC Board Layout
Component Side Shown

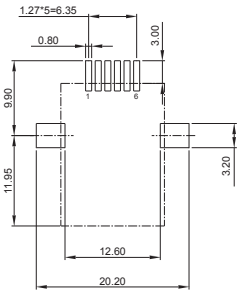
Side Entry 6P SMT Jack STP

JS66SMT3









PC Board Layout
Component Side Shown

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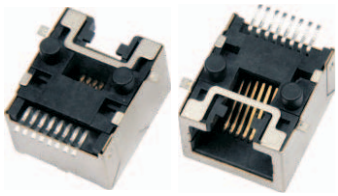
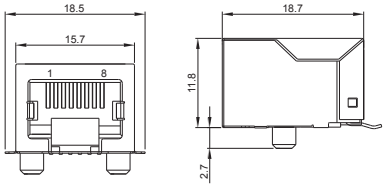
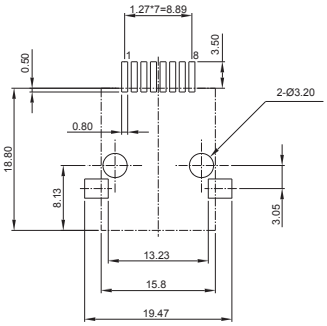
Side Entry 8P SMT Jack STP

JS88SMT2



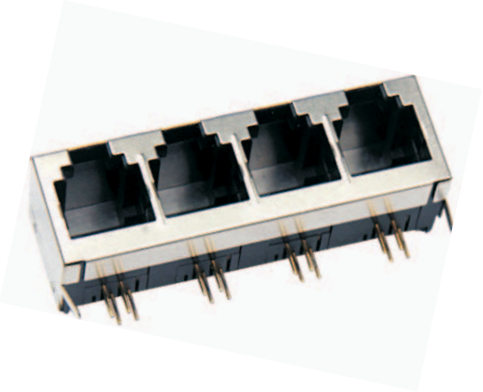


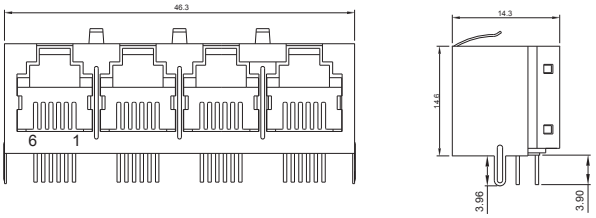


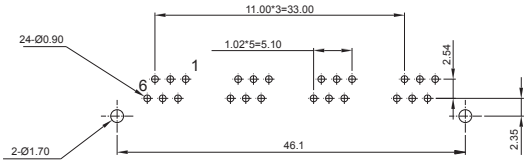
PC Board Layout
Component Side Shown

Side Entry 1*4 Mini L/P 6P PCB Jack STP

JS6604LUT6







PC Board Layout
Component Side Shown

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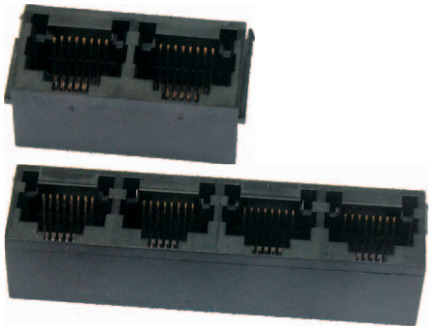
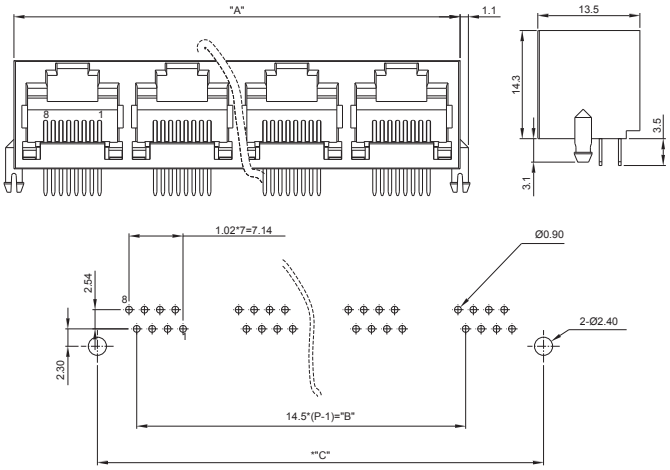
Side Entry 1*N Mini L/P 8P PCB Jack UTP

JU880NLULP



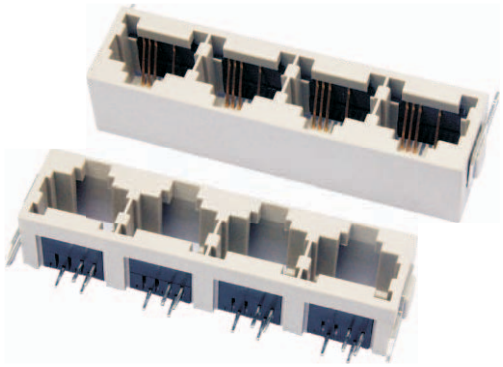


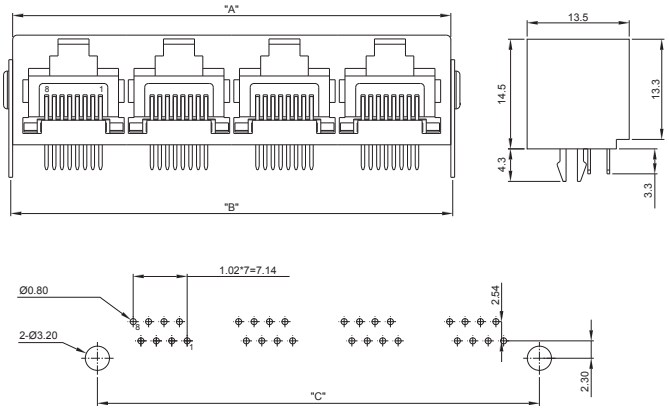
PC Board Layout
Component Side Shown

Part Number	TYPE / DIM	"A±0.2"	"B±0.2"	"C"
JU8801LULP	1X1	15.5		15.50
JU8802LULP	1X2	30.0	14.50	30.00
JU8803LULP	1X3	44.5	29.00	45.50
JU8804LULP	1X4	59.0	43.50	59.00
JU8805LULP	1X5	73.5	58.00	73.50
JU8806LULP	1X6	88.0	72.50	88.00
JU8808LULP	1X8	117.0	101.50	117.00

Side Entry 1*1, 1*4 Mini L/P 8P PCB Jack Metal Feet UTP

JU880NLULPW





PC Board Layout
Component Side Shown

Part Number	TYPE / DIM	"A±0.2"	"B±0.2"	"C"
JU8801LULPW	8P	16.1	16.60	16.60
JU8804LULPW	8P	58.0	58.45	58.45

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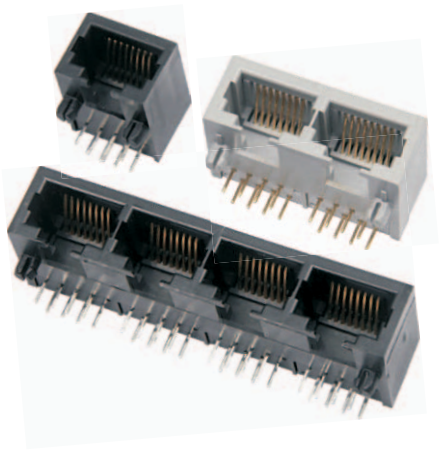
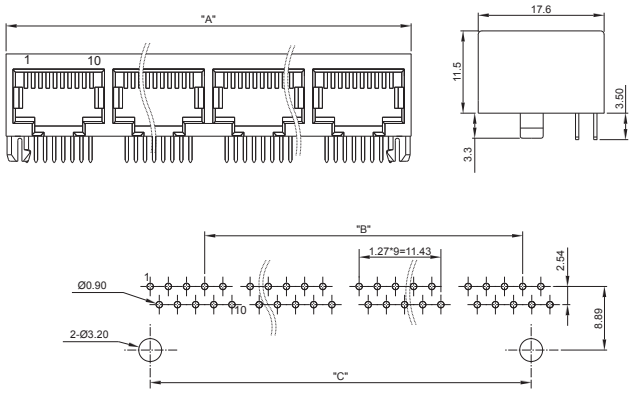
Side Entry 1*N L/P 8P PCB Jack UTP

JU800NLP



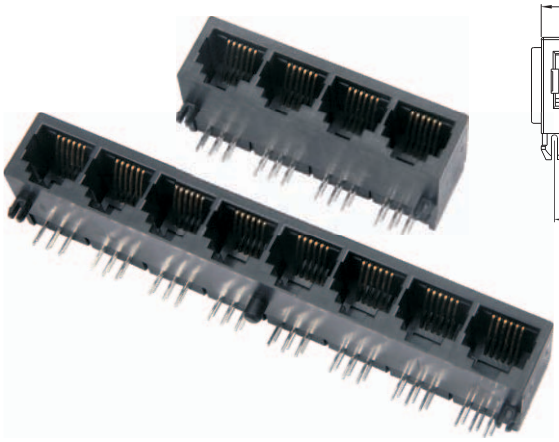


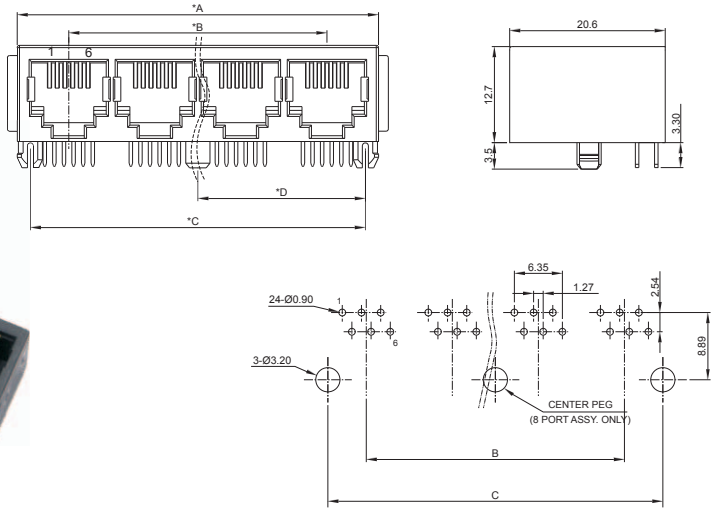
PC Board Layout
Component Side Shown

Part Number	TYPE / DIM	"A±0.2"	"B±0.2"	"C"
JU8001LP	1X1	15.1		11.43
JU8002LP	1X2	30.4	13.97	25.40
JU8003LP	1X3	44.4	27.94	39.37
JU8004LP	1X4	58.4	41.91	53.34
JU8005LP	1X5	72.3	55.88	67.31
JU8006LP	1X6	86.3	69.85	81.28
JU8008LP	1X8	114.3	97.79	109.22

Side Entry 1*4, 1*8 6P PCB Jack UTP

JU660N





PC Board Layout
Component Side Shown

Part Number	TYPE / DIM	"A±0.2"	"B±0.2"	"C"	"D"
JU6604	1X4	47.78	34.14	44.31	
JU6608	1X8	93.29	79.66	89.82	44.91

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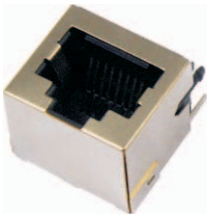
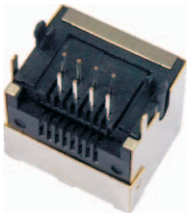
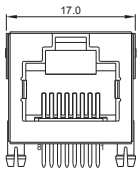
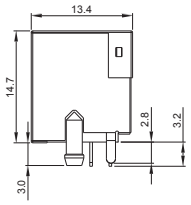
Side Entry Mini L/P 8P PCB Jack STP

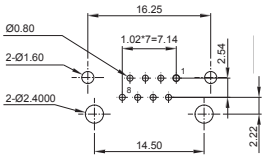
JS88LULP







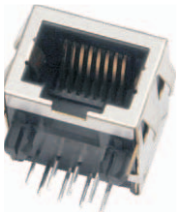


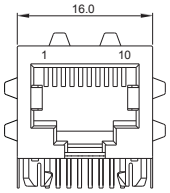


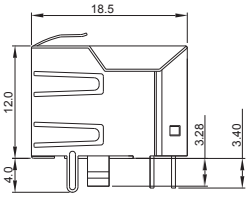
PC Board Layout
Component Side Shown

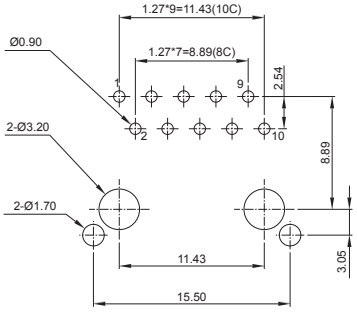
Side Entry L/P 10P PCB Jack STP

JS80LPPFT6





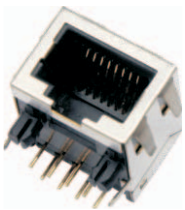


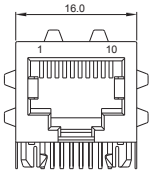


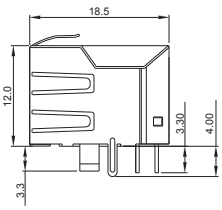
PC Board Layout
Component Side Shown

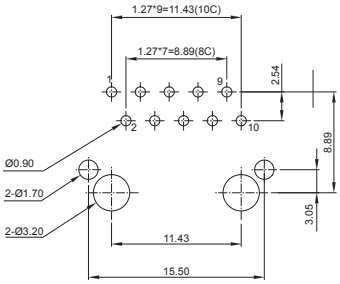
Side Entry L/P 10P PCB Jack STP

JS80LPT6









PC Board Layout
Component Side Shown

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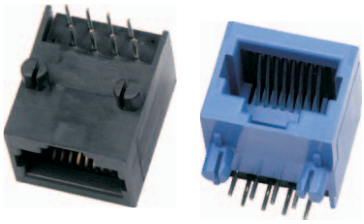
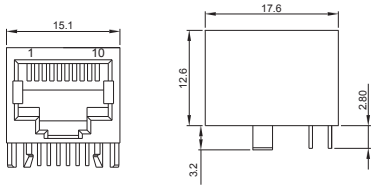
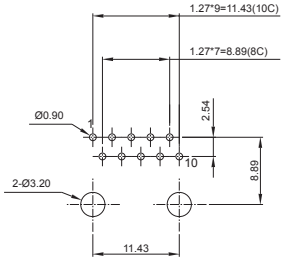
Side Entry 10P PCB Jack UTP

JU80SB



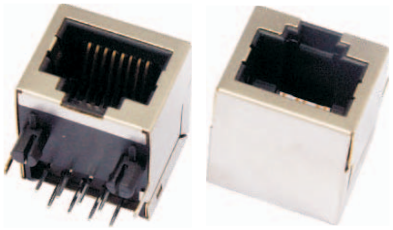


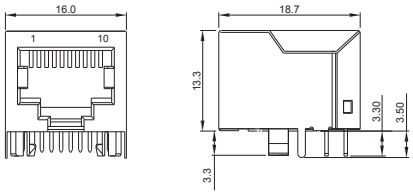


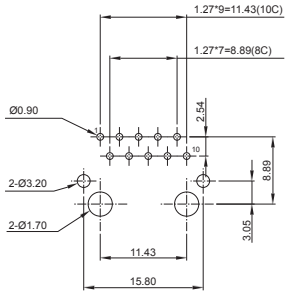
PC Board Layout
Component Side Shown

Side Entry 10P PCB Jack STP

JS80SB



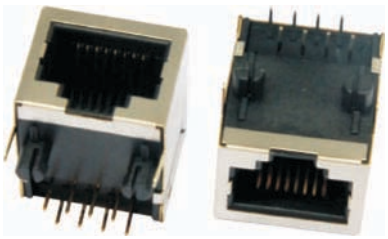


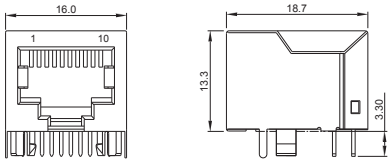


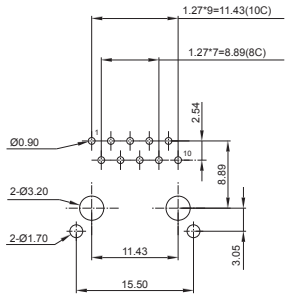
PC Board Layout
Component Side Shown

Side Entry 10P PCB Jack STP

JS80SBPF







PC Board Layout
Component Side Shown

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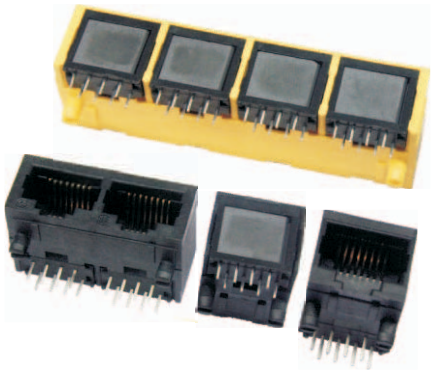
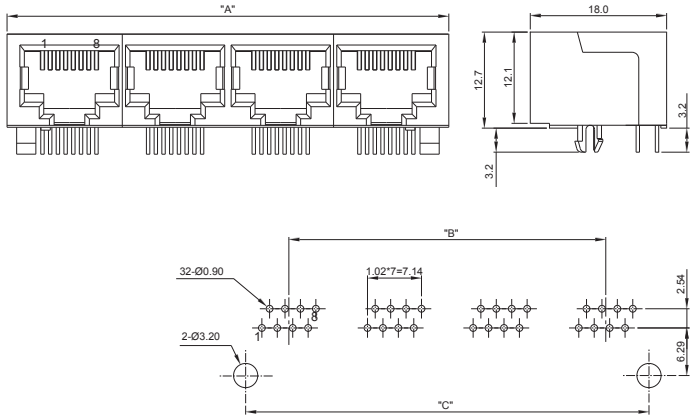
Side Entry 1*1, 1*4 8P PCB Jack UTP

JU880NFE



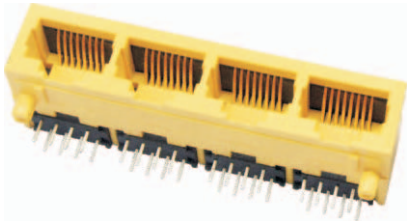


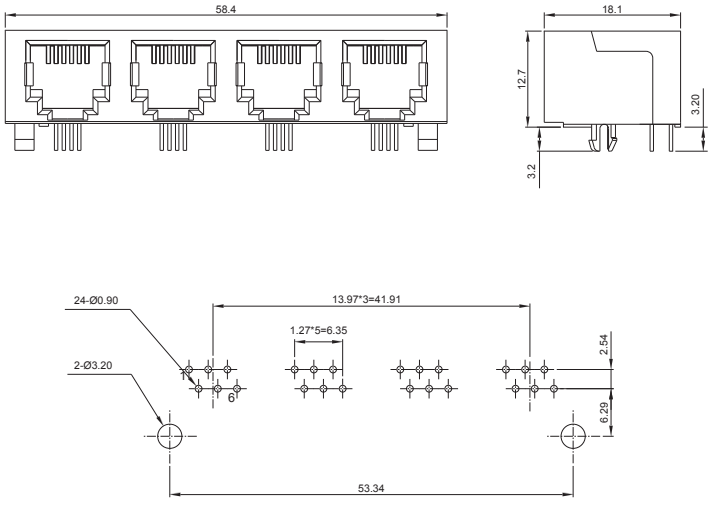
PC Board Layout
Component Side Shown

Part Number	TYPE / DIM	"A±0.2"	"B±0.2"	"C"
JU8801FE	1X1	14.1		11.43
JU8804FE	1X4	58.4	41.91	53.34

Side Entry 1*4 6P PCB Jack UTP

JU6604FE



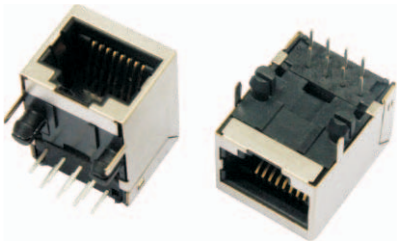


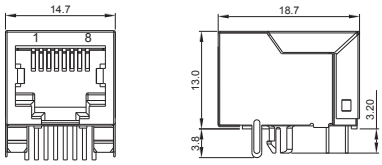
PC Board Layout
Component Side Shown

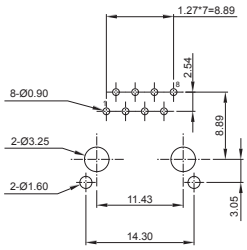
modcon® - modular jacks

Side Entry L/P 8P PCB Jack STP

JS88LPPF



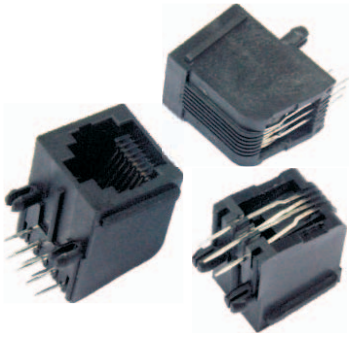


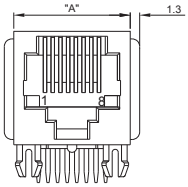


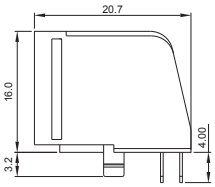
PC Board Layout
Component Side Shown

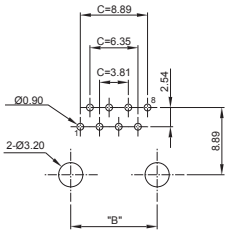
Side Entry 4P, 6P, 8P PCB Jack UTP

JUCPO









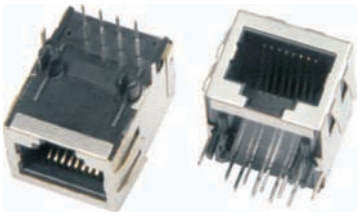
PC Board Layout
Component Side Shown

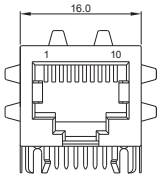
Part Number	TYPE / DIM	"A±0.2"	"B±0.2"	"C"
JU44O	4P	11.2	7.62	3.81
JU66O	6P	13.2	10.16	6.35
JU88O	8P	15.3	11.43	8.89

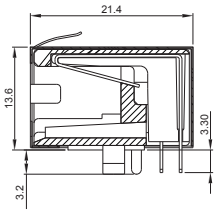
modcon® - modular jacks

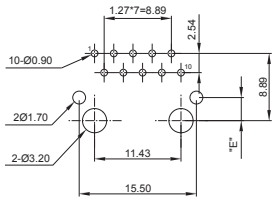
Side Entry 10P PCB Jack STP

JS80T6





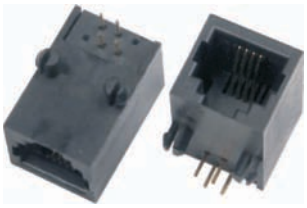


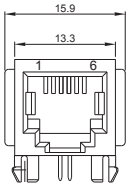


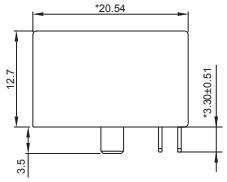
PC Board Layout
Component Side Shown

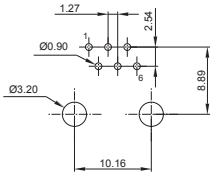
Side Entry 6P PCB Jack UTP

JU66





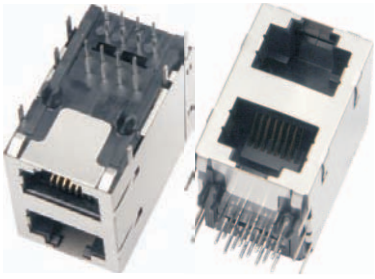


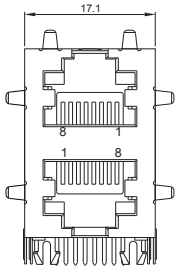


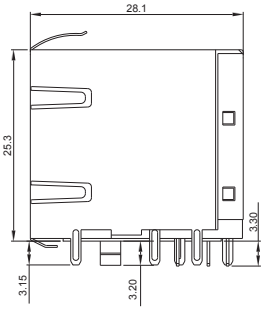
PC Board Layout
Component Side Shown

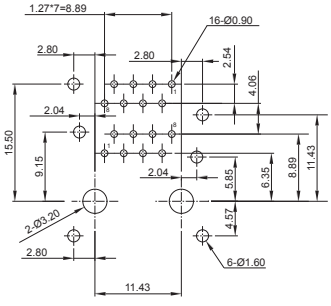
Side Entry 2*1 8P PCB Doublestack STP

JS8811PFT6





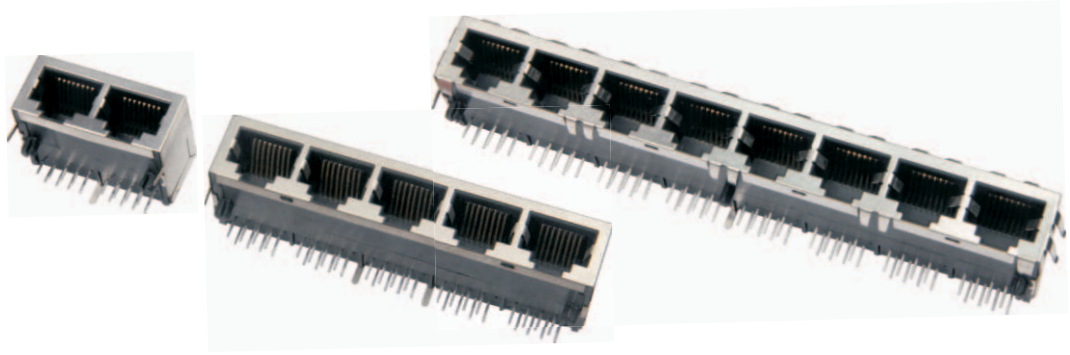


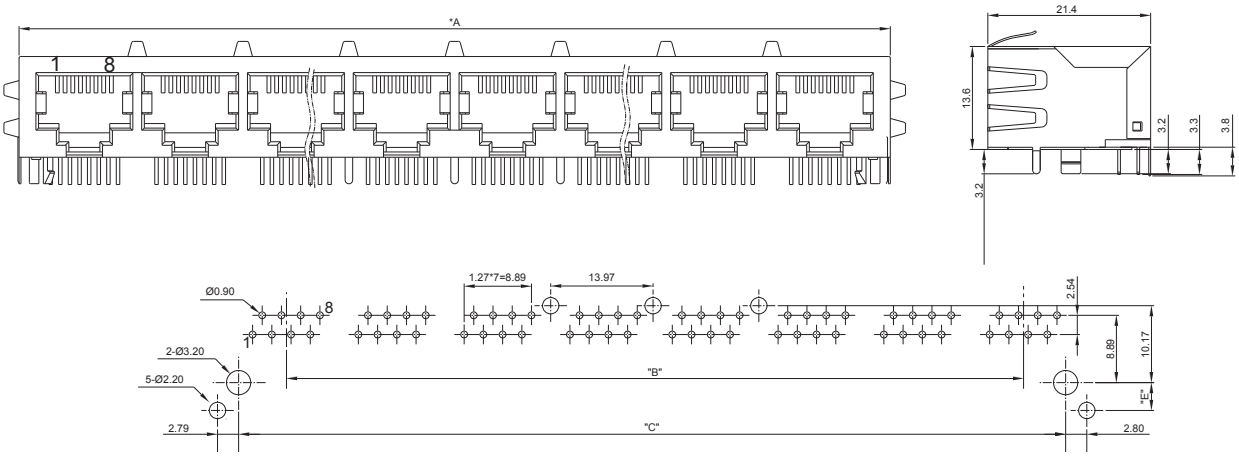


PC Board Layout
Component Side Shown

Side Entry 1*N 8P PCB Jack STP

JS880NPFT6



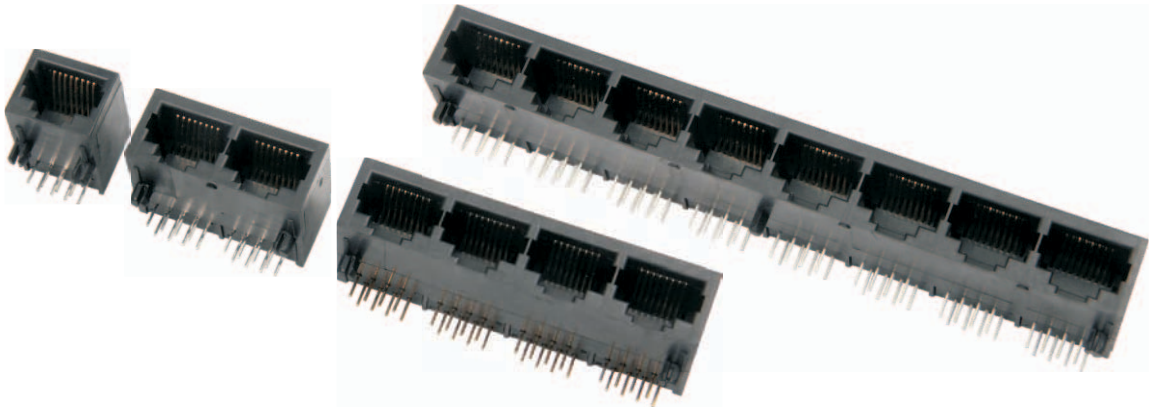


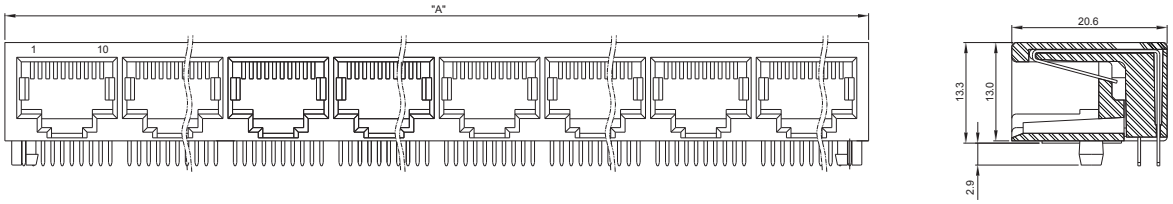
PC Board Layout
Component Side Shown

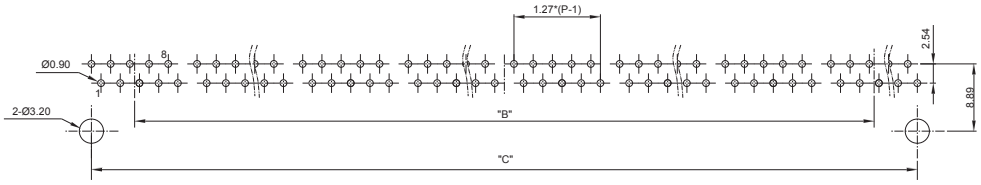
Part Number	TYPE / DIM	"A±0.2"	"B±0.2"	"C"
JS8801PFT6	1X1	16.00		11.43
JS8802PFT6	1X2	31.24	13.97	25.40
JS8803PFT6	1X3	45.21	27.94	39.37
JS8804PFT6	1X4	59.18	41.91	53.34
JS8805PFT6	1X5	73.15	55.88	67.32
JS8806PFT6	1X6	87.12	69.85	81.28
JS8808PFT6	1X8	115.06	97.79	109.22

Side Entry 1*N 8P PCB Jack UTP

JU800N





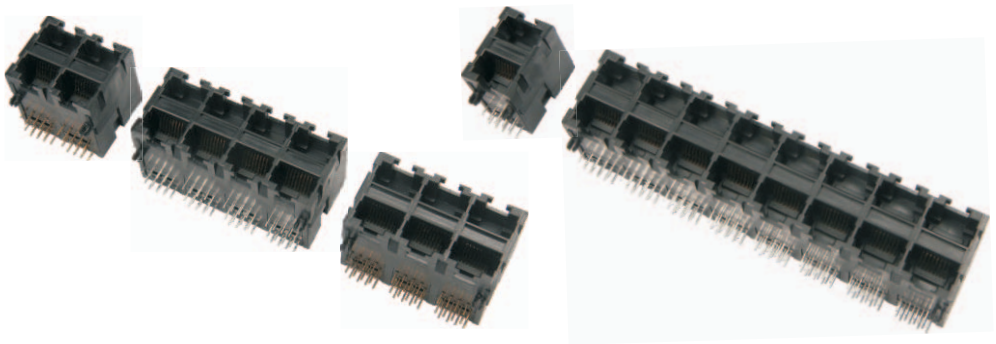


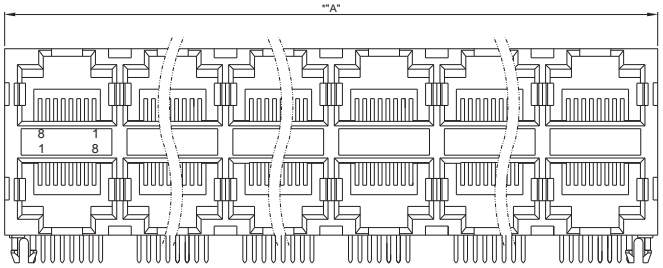
PC Board Layout
Component Side Shown

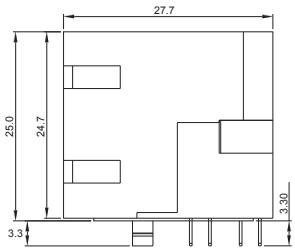
Part Number	TYPE / DIM	"A±0.2"	"B±0.2"	"C"
JU8001	1X1	15.20		11.43
JU8002	1X2	30.48	13.97	25.40
JU8003	1X3	44.45	27.94	39.37
JU8004	1X4	58.42	41.91	53.34
JU8005	1X5	73.15	55.88	67.32
JU8006	1X6	86.36	69.85	81.28
JU8008	1X8	114.30	97.79	109.22

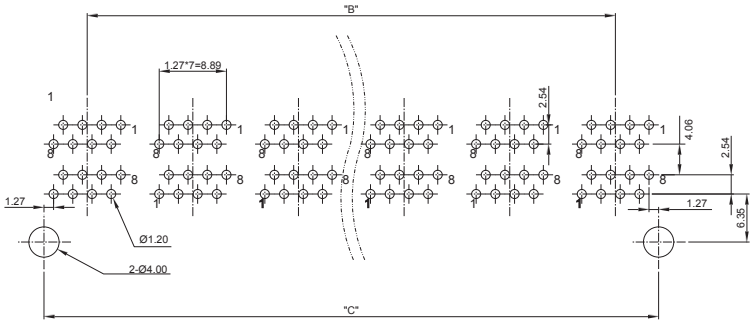
Side Entry 2*N 8P PCB Doublestack UTP

JU881N









PC Board Layout
Component Side Shown

Part Number	TYPE / DIM	"A±0.2"	"B±0.2"	"C"
JU8811	2X1	16.50		11.43
JU8812	2X2	30.48	13.97	25.40
JU8813	2X3	44.45	27.94	39.37
JU8814	2X4	58.42	41.91	53.34
JU8815	2X5	72.39	55.88	67.35
JU8816	2X6	86.36	69.85	81.28
JU8818	2X8	114.30	97.79	109.22

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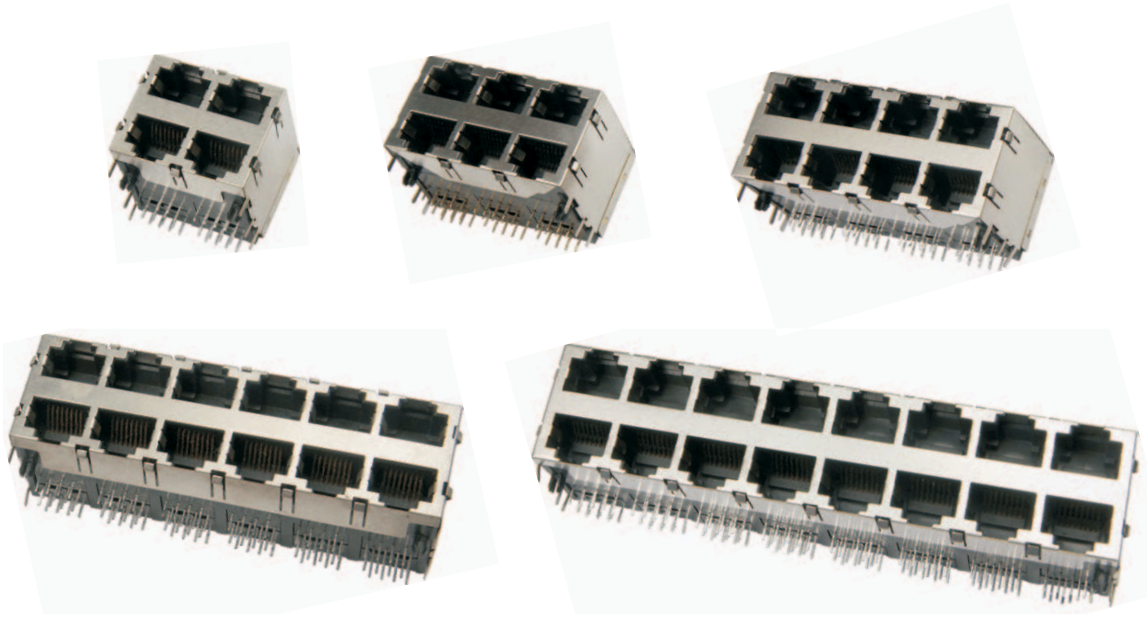
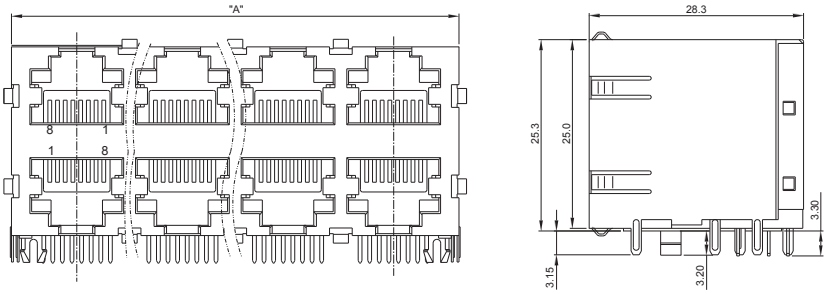
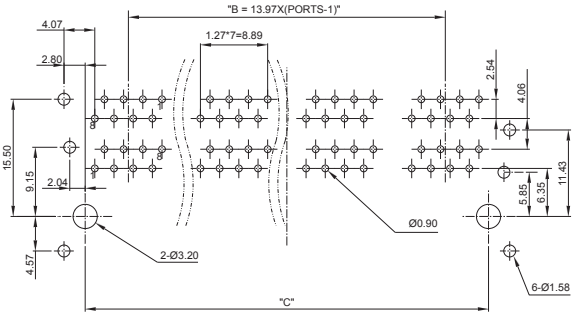
Side Entry 2*N 8P PCB Jack STP (Stamp)

JS881NPFT6







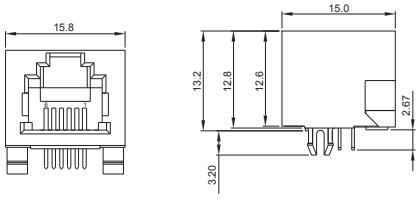
PC Board Layout
Component Side Shown

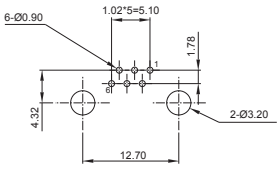
Part Number	TYPE / DIM	"A±0.2"	"B±0.2"	"C"
JS8812PFT6	2X2	31.24	13.97	25.40
JS8814PFT6	2X4	59.18	41.91	53.34
JS8815PFT6	2X5	73.15	55.88	67.35
JS8816PFT6	2X6	87.12	69.85	81.28
JS8818PFT6	2X8	115.06	97.79	109.22

modcon® - modular jacks

Side Entry 6P PCB Jack UTP

JU66LU

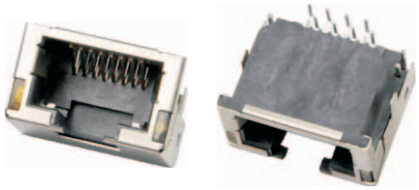


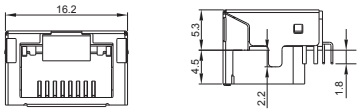


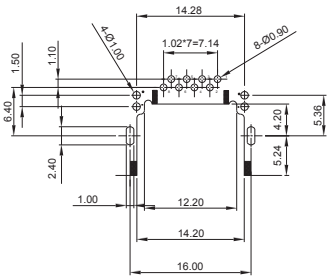
PC Board Layout
Component Side Shown

Side Entry 8P PCB Jack Card Edge STP

JS88LUEDGE



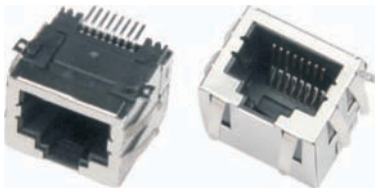


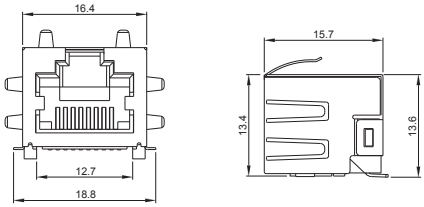


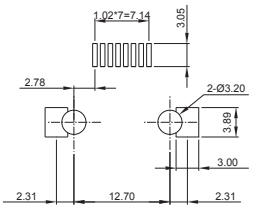
PC Board Layout
Component Side Shown

Side Entry 8P SMT PCB Jack STP

JS88LUSMTT6







PC Board Layout
Component Side Shown

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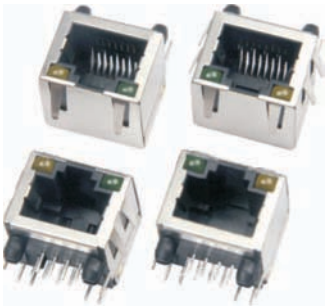
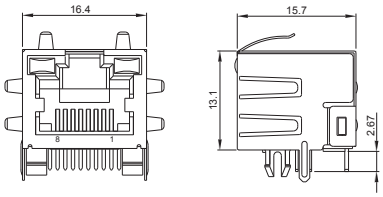
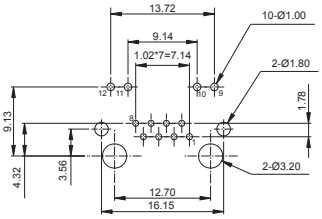
Side Entry L/P 8P LED Jack STP

JS88LLLUT6



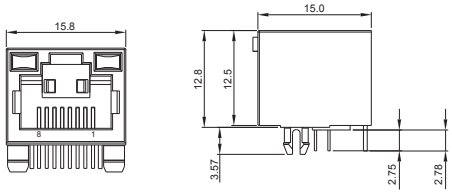


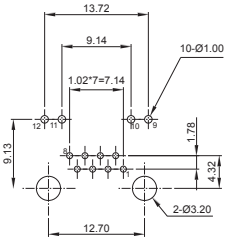


PC Board Layout
Component Side Shown

Side Entry 8P LED Jack UTP

JU88LLLUSB

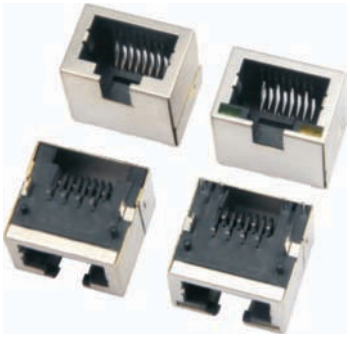


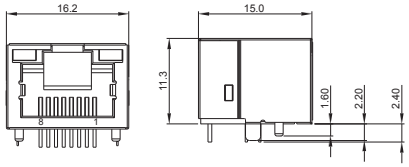


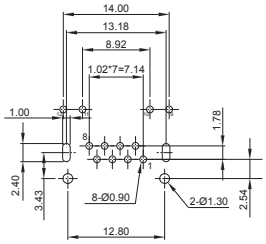
PC Board Layout
Component Side Shown

Side Entry L/P 8P LED Jack STP

JS88LLLULP





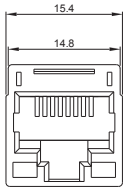


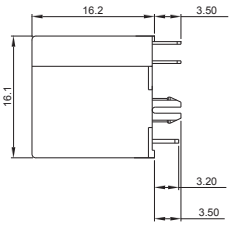
PC Board Layout
Component Side Shown

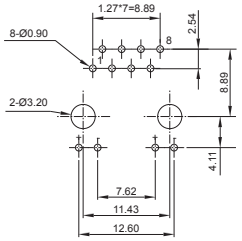
modcon® - modular jacks

Top Entry 8P LED Jack UTP

JU88LLV



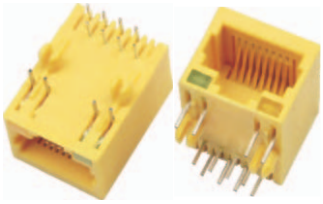


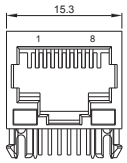


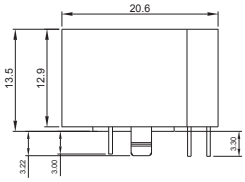
PC Board Layout
Component Side Shown

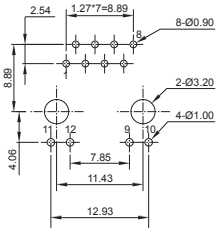
Side Entry 8P LED Jack UTP

JU88LL





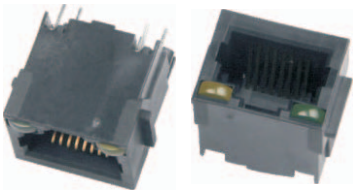


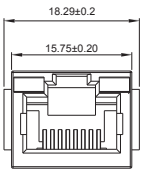


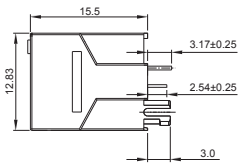
PC Board Layout
Component Side Shown

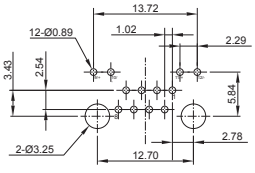
Top Entry L/P 8P LED Jack UTP

JU88LLVLP





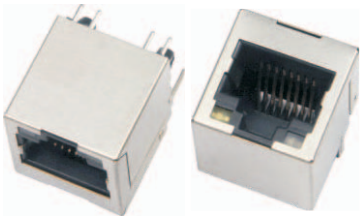


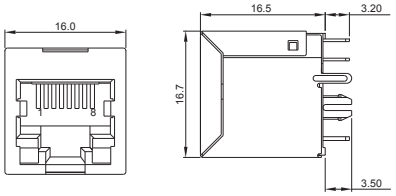


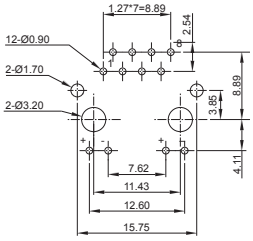
PC Board Layout
Component Side Shown

Top Entry 8P LED Jack STP

JS88LLV



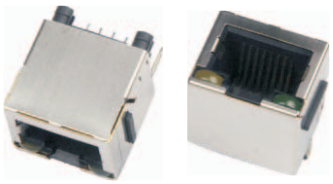


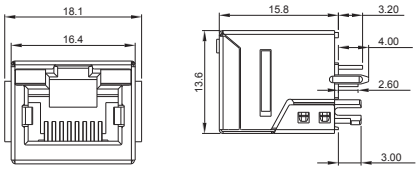


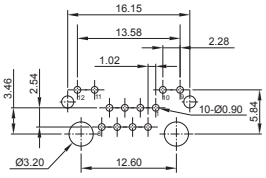
PC Board Layout
Component Side Shown

Top Entry L/P 8P LED Jack STP

JS88LLVLP







PC Board Layout
Component Side Shown

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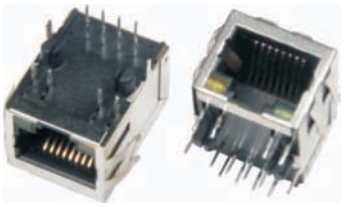
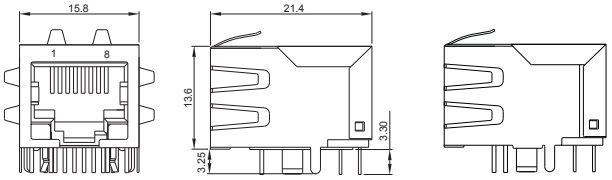
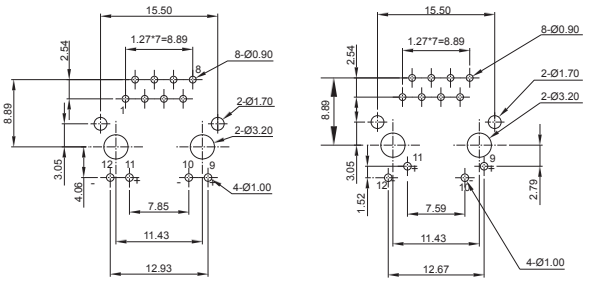
Side Entry 8P LED Jack STP

JS88LLT6

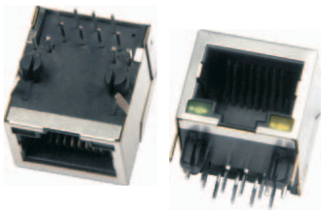


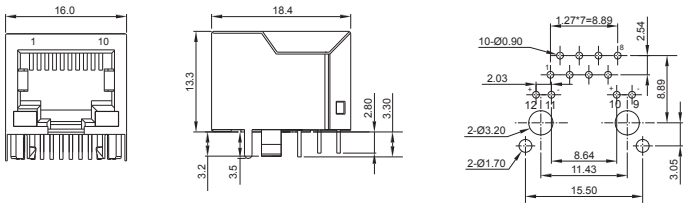




Side Entry 8P LED Jack STP

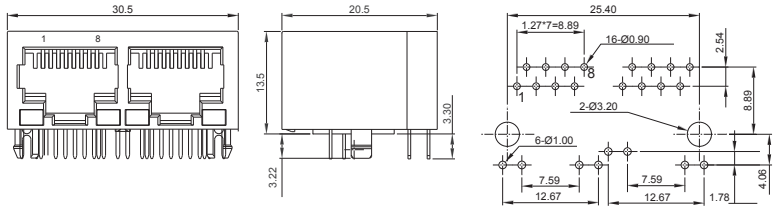
JS88LLPF





Side Entry 1*2 8P LED Jack UTP

JU8802LL



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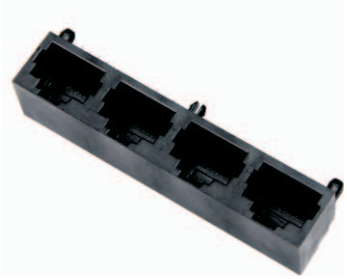
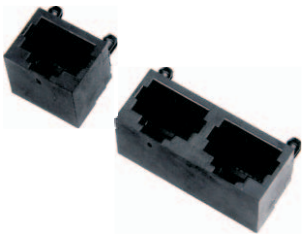
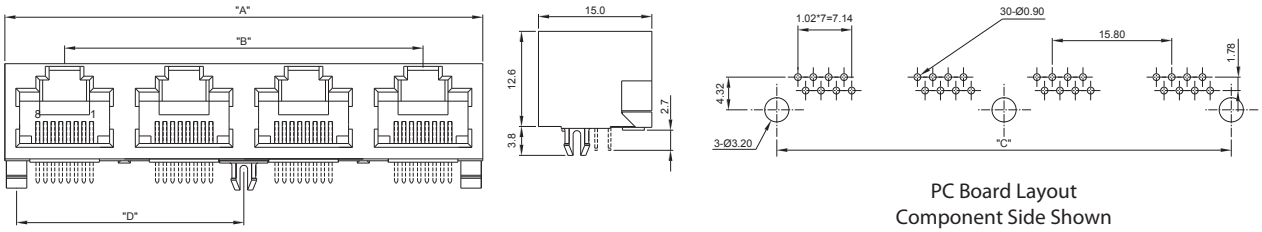
Side Entry 1*1, 1*2, 1*4 8P PCB Jack UTP

JU880NLU





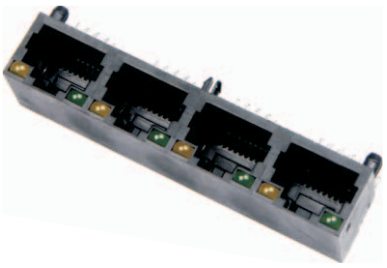


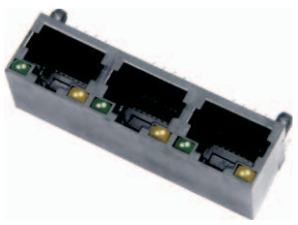
PC Board Layout
Component Side Shown

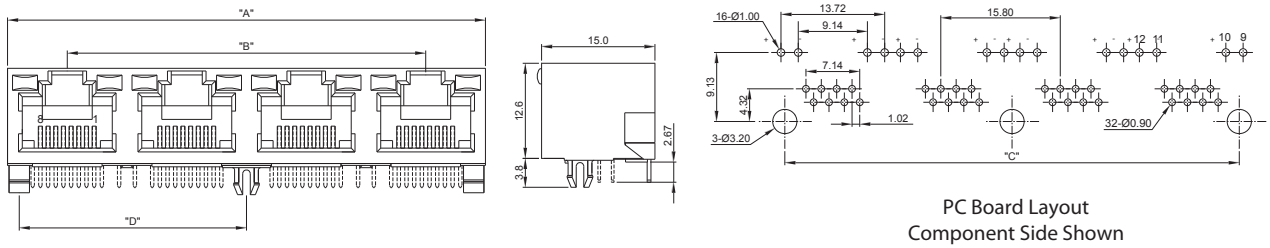
Part Number	TYPE / DIM	"A±0.2"	"B±0.2"	"C"	"D"
JU8801LU	1X1	15.80		12.70	
JU8802LU	1X2	31.60	15.80	28.50	
JU8804LU	1X4	63.20	47.40	60.10	30.10

Side Entry 1*1, 1*2, 1*4 8P LED Jack UTP

JU880NLLLU







PC Board Layout
Component Side Shown

Part Number	TYPE / DIM	"A±0.2"	"B±0.2"	"C"	"D"
JU8801LLLU	1X1	15.80		12.70	
JU8802LLLU	1X2	31.60	15.80	28.50	
JU8804LLLU	1X4	47.40	31.60	44.30	

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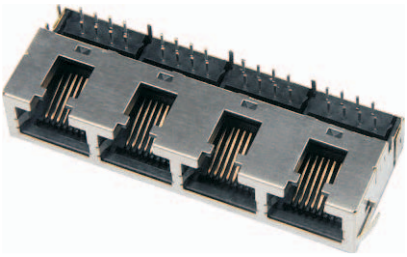
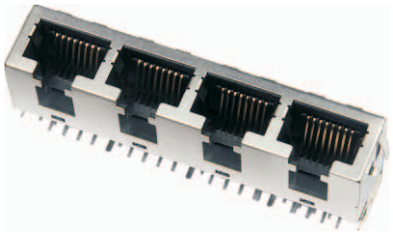
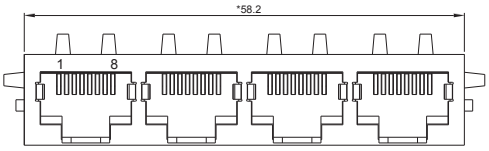
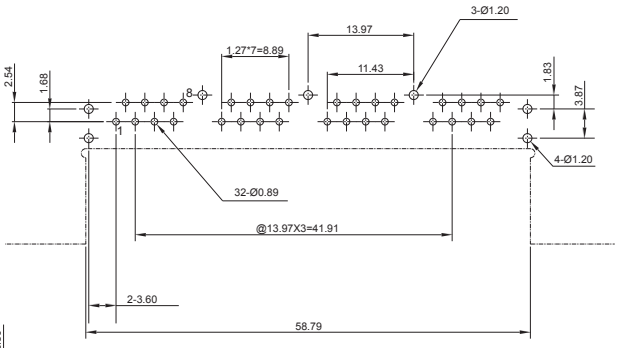
Side Entry 1*4 8P PCB Jack Card Edge STP

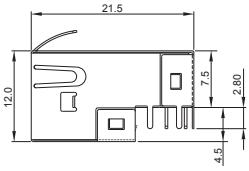
JS8804EDGET6







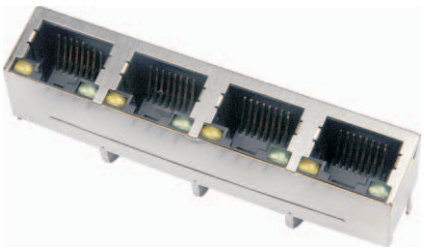


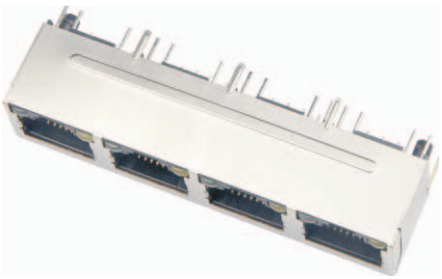


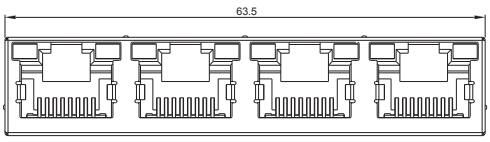
PC Board Layout
Component Side Shown

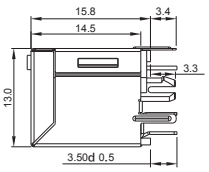
Top Entry 1*4 8P LED Jack STP

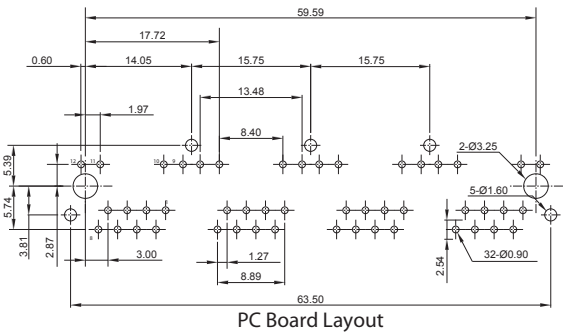
JS8804LLV







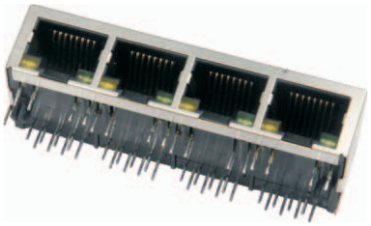


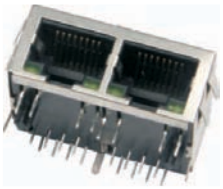


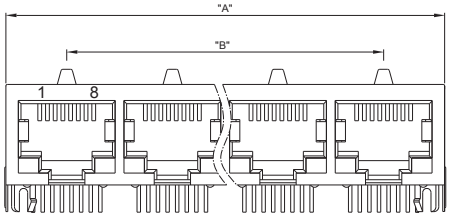
PC Board Layout
Component Side Shown

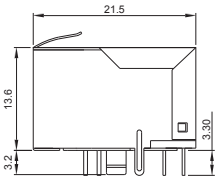
Side Entry 1*2, 1*4 8P LED Jack STP

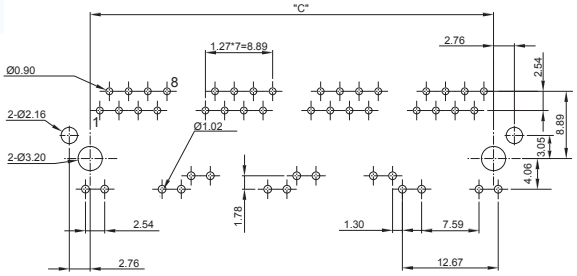
JS880NLLT6









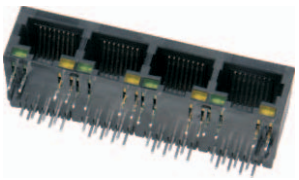


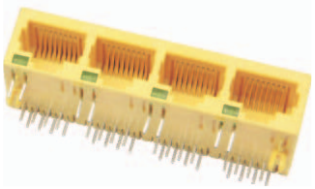
PC Board Layout
Component Side Shown

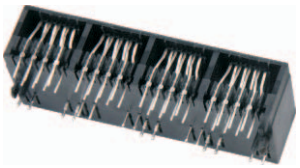
Part Number	TYPE / DIM	"A±0.2"	"B±0.2"	"C±0.2"
JS8802LLT6	1X2	31.24	13.97	25.40
JS8804LLT6	1X4	59.18	41.91	53.34

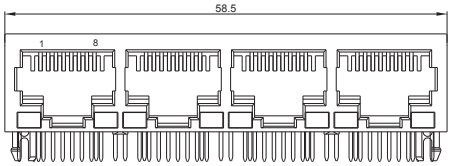
Side Entry 1*4 8P LED Jack UTP

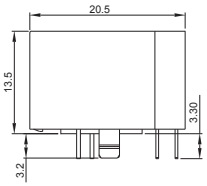
JU8804LL

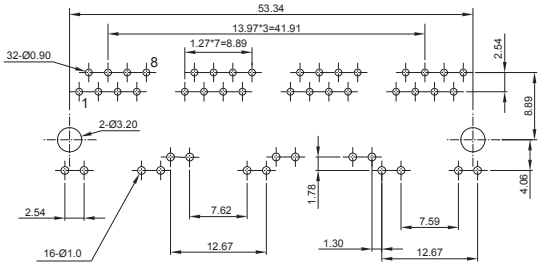








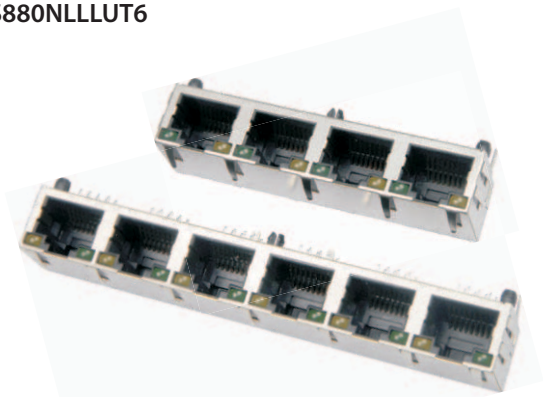


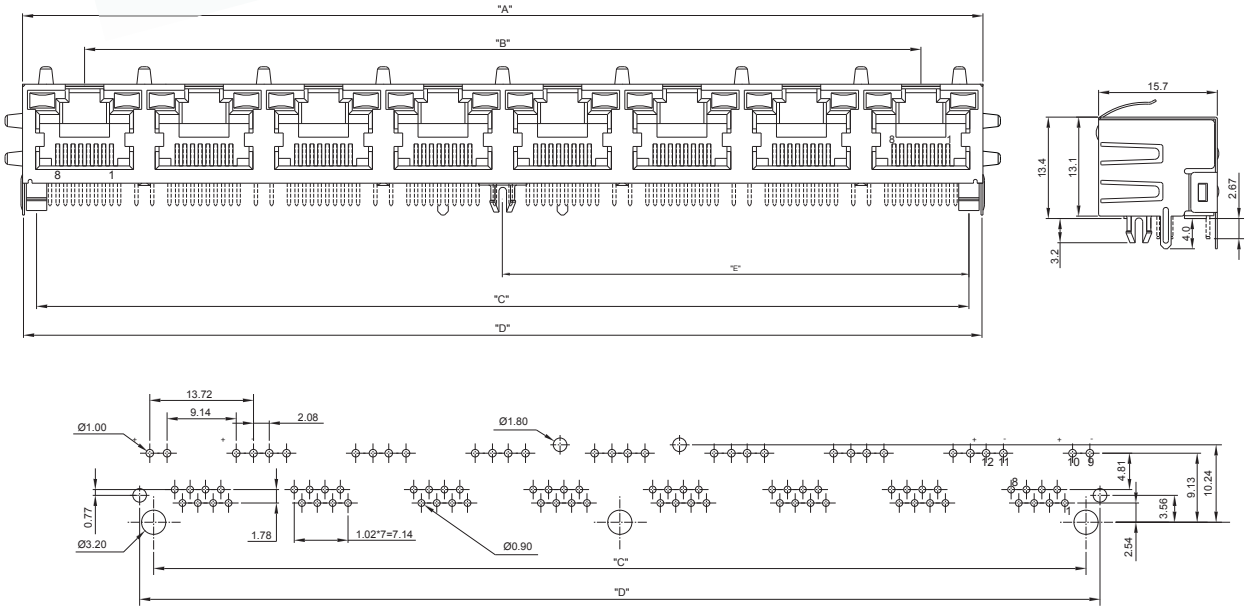


PC Board Layout
Component Side Shown

Side Entry 1*N 8P LED Jack STP

JS880NLLLUT6





PC Board Layout
Component Side Shown

LED Part Number	TYPE / DIM	"A±0.2"	"B±0.2"	"C"	"D"	"E"
JS8801LLLUT6	1X1	16.40		12.70	16.16	
JS8802LLLUT6	1X2	32.20	15.80	28.50	31.95	
JS8803LLLUT6	1X3	48.00	31.60	44.30	47.75	
JS8804LLLUT6	1X4	63.80	47.40	60.10	63.55	30.10
JS8808LLLUT6	1X8	127.00	110.60	123.30	127.00	61.65

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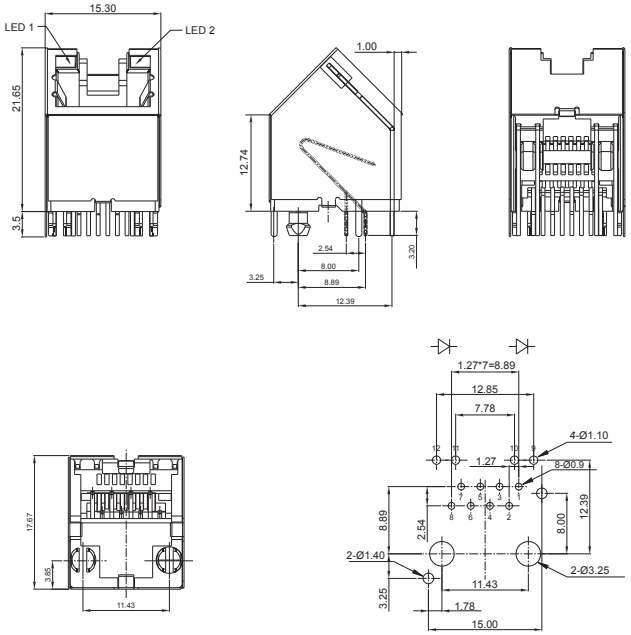
45° 8P PCB Jack STP

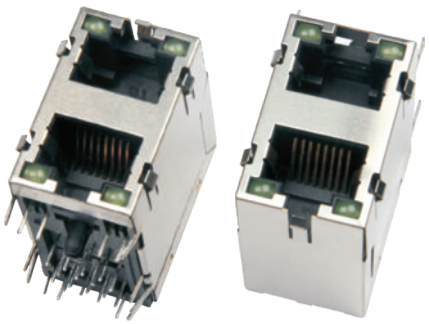
JS88AQ

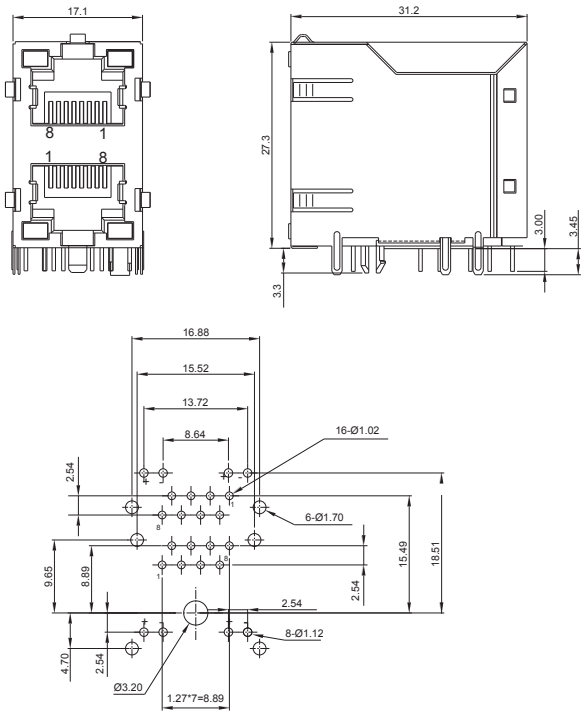


PC Board Layout
Component Side Shown

Side Entry 2*1 8P LED Doublestack STP

JS8811LLT6PF





PC Board Layout
Component Side Shown

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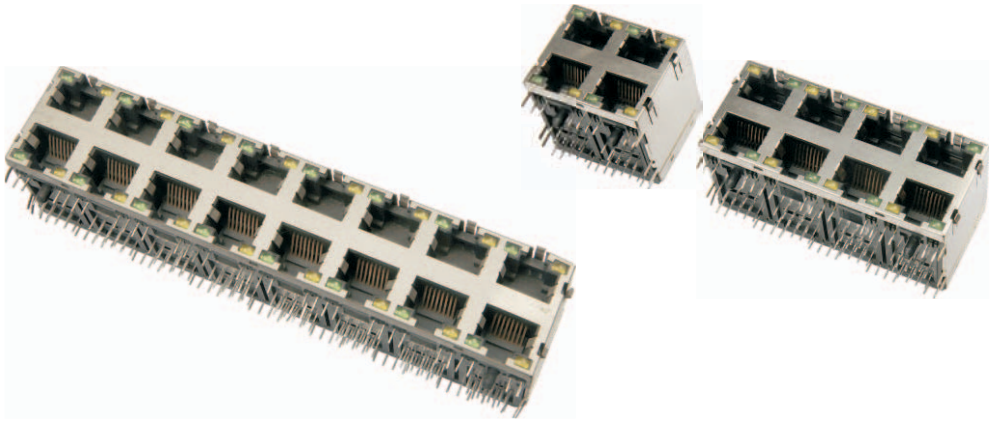
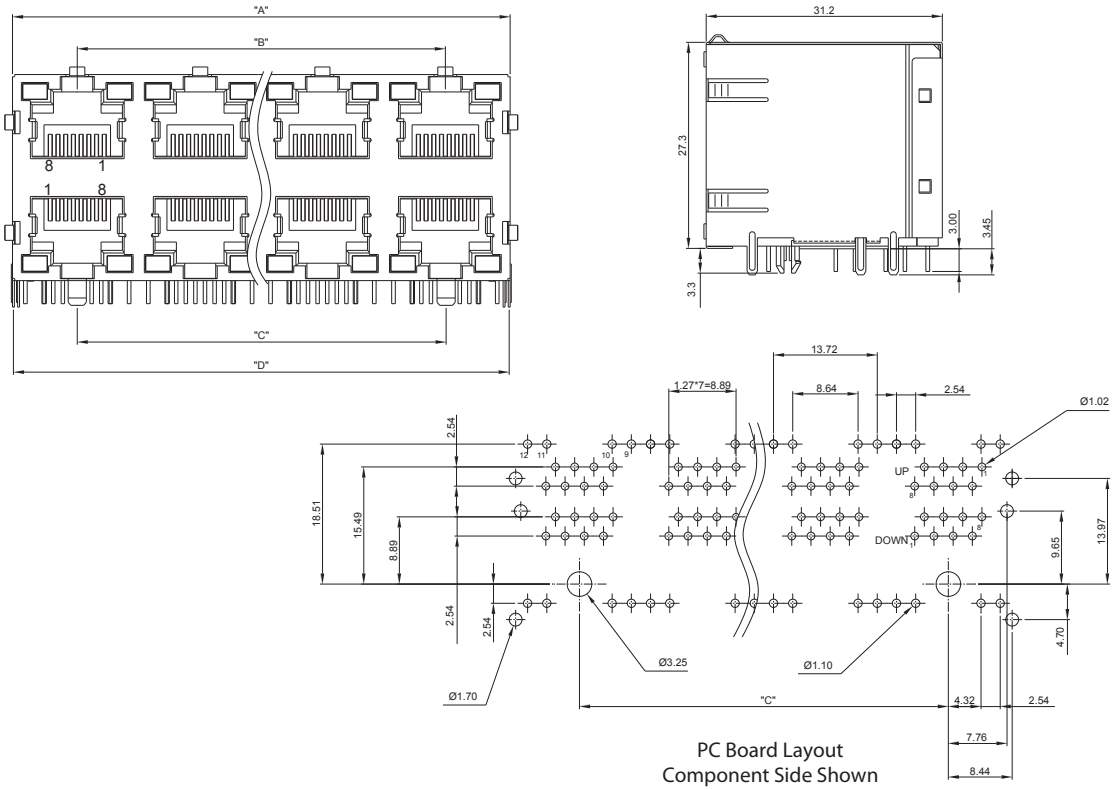
Side Entry 2*N 8P LED Doublestack STP

JS881NLLPFT6



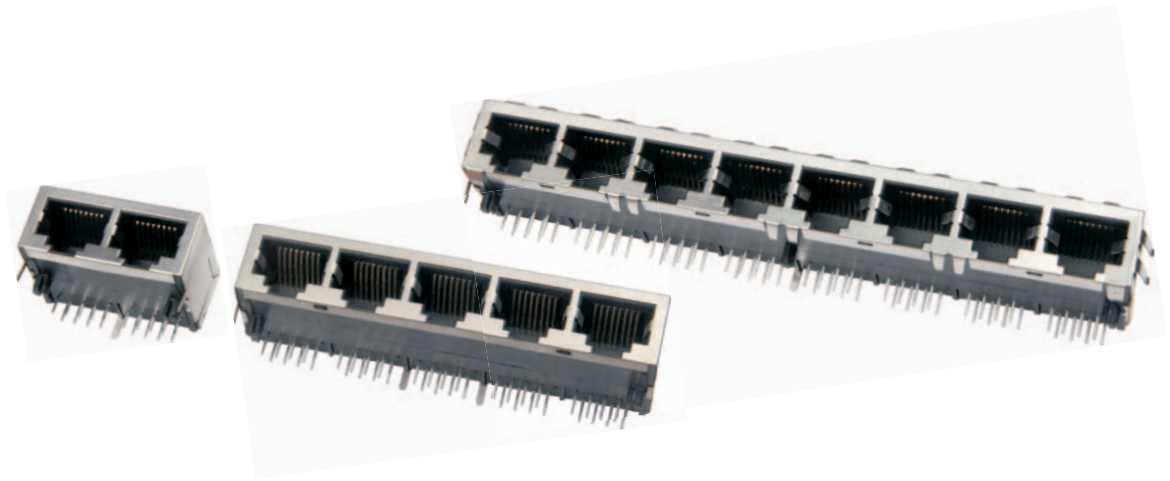


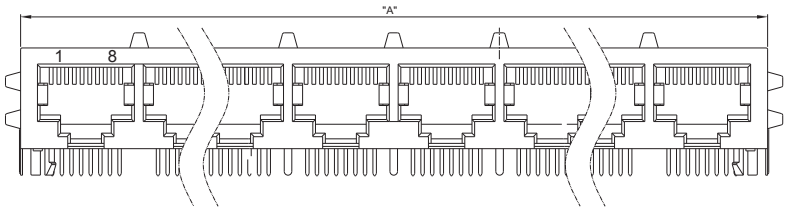
PC Board Layout
Component Side Shown

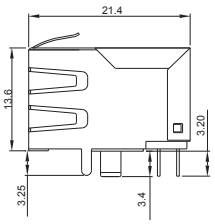
Part Number	TYPE / DIM	"A±0.2"	"B±0.2"	"C"	"D"
JS8812LLPFT6	2X2	33.40	16.26	16.26	33.10
JS8813LLPFT6	2X3	49.45	32.52	32.52	49.15
JS8814LLPFT6	2X4	65.90	48.78	48.78	65.60
JS8816LLPFT6	2X6	98.43	81.30	81.30	98.13
JS8818LLPFT6	2X8	130.95	113.82	113.82	130.65

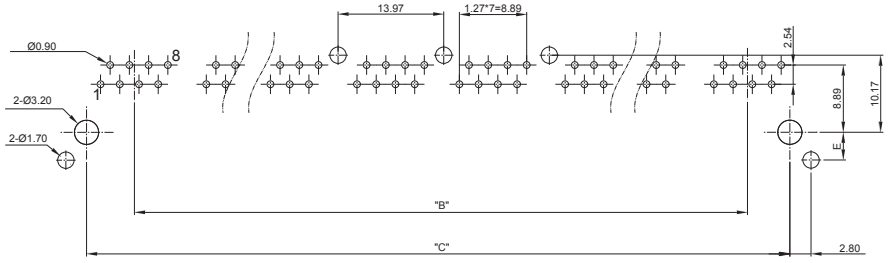
C5e Side Entry 1*N 8P PCB Jack STP

JS880NPFE5T6









PC Board Layout
Component Side Shown

Part Number	TYPE / DIM	"A±0.2"	"B±0.2"	"C"
JS8802PFE5T6	1x2	31.24	13.97	25.40
JS8804PFE5T6	1x4	59.18	41.91	53.34
JS8808PFE5T6	1x8	115.06	97.79	109.22

Frequency MHz	Near-End Cross Talk dB, Min.	Return Loss dB, Min.	Attenuation dB, Max.
1.0	65	30	0.1
4.0	65	30	0.1
8.0	64.9	30	0.1
10.0	63	30	0.1
16.0	58.9	30	0.2
20.0	57	30	0.2
25.0	55	30	0.2
31.25	53.1	30	0.2
62.5	47.1	24.1	0.3
100.0	43	20	0.4

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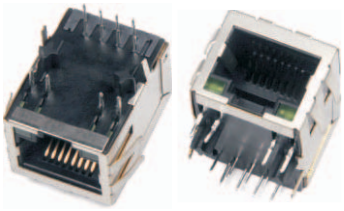
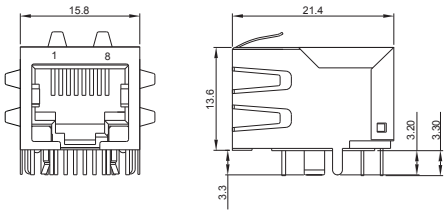
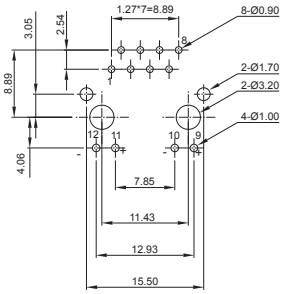
C5e Side Entry 8P LED Jack STP

JS88LLE5T6





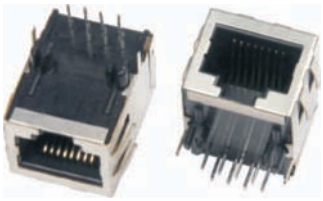


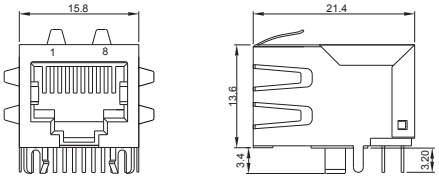
PC Board Layout
Component Side Shown

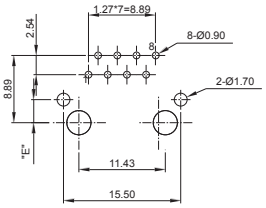
Frequency MHz	Near-End Cross Talk dB, Min.	Return Loss dB, Min.	Attenuation dB, Max.
1.0	65	30	0.1
4.0	65	30	0.1
8.0	64.9	30	0.1
10.0	63	30	0.1
16.0	58.9	30	0.2
20.0	57	30	0.2
25.0	55	30	0.2
31.25	53.1	30	0.2
62.5	47.1	24.1	0.3
100.0	43	20	0.4

C5e Side Entry 8P PCB Jack STP

JS88E5T6







PC Board Layout
Component Side Shown

Frequency MHz	Near-End Cross Talk dB, Min.	Return Loss dB, Min.	Attenuation dB, Max.
1.0	65	30	0.1
4.0	65	30	0.1
8.0	64.9	30	0.1
10.0	63	30	0.1
16.0	58.9	30	0.2
20.0	57	30	0.2
25.0	55	30	0.2
31.25	53.1	30	0.2
62.5	47.1	24.1	0.3
100.0	43	20	0.4

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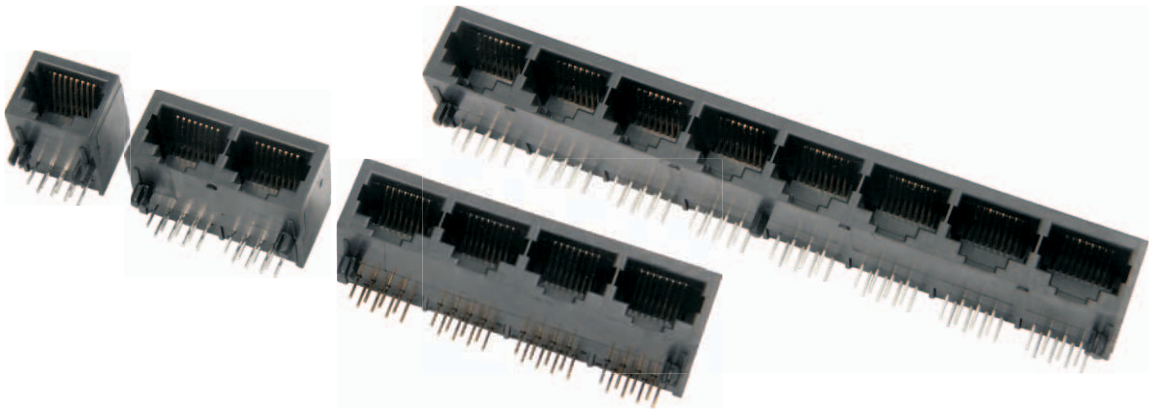
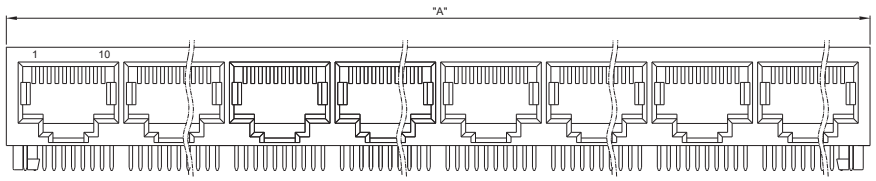
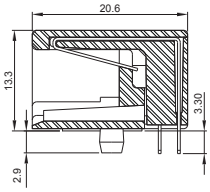
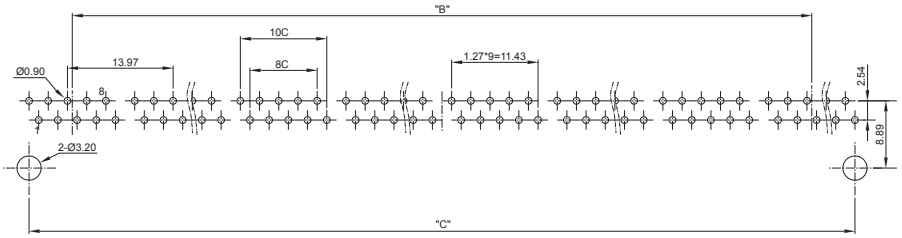
C5e Side Entry 1*N 8P PCB Jack UTP

JU800NE5









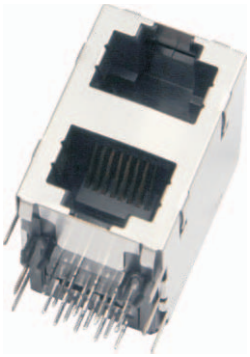
PC Board Layout
Component Side Shown

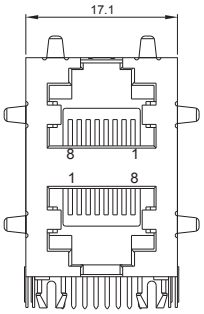
Part Number	TYPE \ DIM	"A±0.2"	"B±0.2"	"C"
JU8001E5	1X1	15.20		11.43
JU8002E5	1X2	30.48	13.97	25.40
JU8003E5	1X3	44.45	27.94	39.37
JU8004E5	1X4	58.42	41.91	53.34
JU8005E5	1X5	73.15	55.88	67.32
JU8006E5	1X6	86.36	69.85	81.28
JU8008E5	1X8	114.30	97.79	109.22

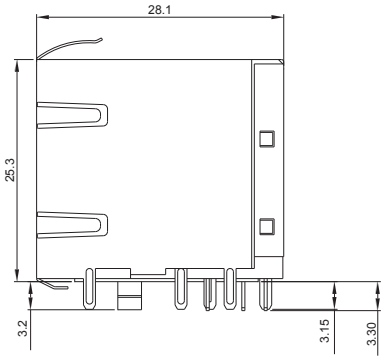
Frequency MHz	Near-End Cross Talk dB, Min.	Return Loss dB, Min.	Attenuation dB, Max.
1.0	65	30	0.1
4.0	65	30	0.1
8.0	64.9	30	0.1
10.0	63	30	0.1
16.0	58.9	30	0.2
20.0	57	30	0.2
25.0	55	30	0.2
31.25	53.1	30	0.2
62.5	47.1	24.1	0.3
100.0	43	20	0.4

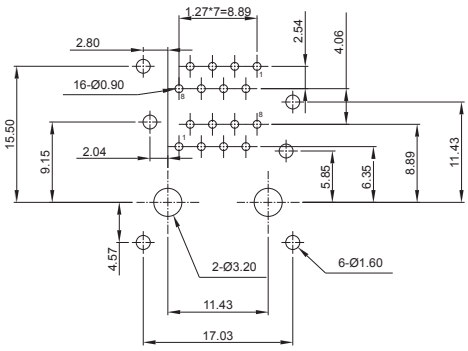
C5e Side Entry 2*1 8P PCB Doublestack STP

JS8811PFE5T6









PC Board Layout
Component Side Shown

Frequency MHz	Near-End Cross Talk dB, Min.	Return Loss dB, Min.	Attenuation dB, Max.
1.0	65	30	0.1
4.0	65	30	0.1
8.0	64.9	30	0.1
10.0	63	30	0.1
16.0	58.9	30	0.2
20.0	57	30	0.2
25.0	55	30	0.2
31.25	53.1	30	0.2
62.5	47.1	24.1	0.3
100.0	43	20	0.4

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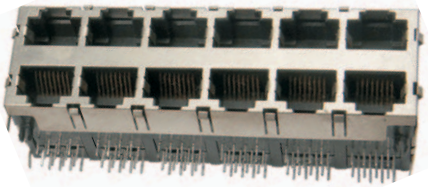
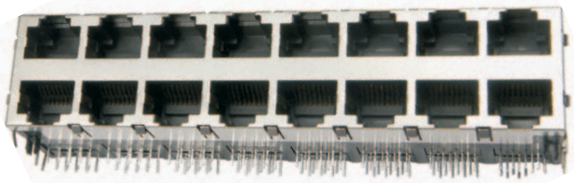
C5e Side Entry 2*N 8P PCB Doublestack STP

JS881NPFE5T6





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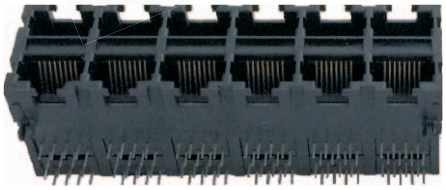
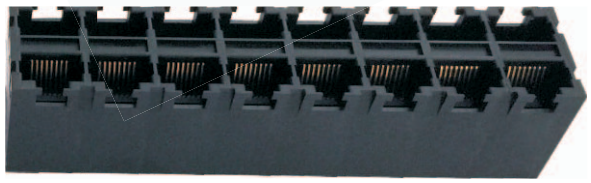
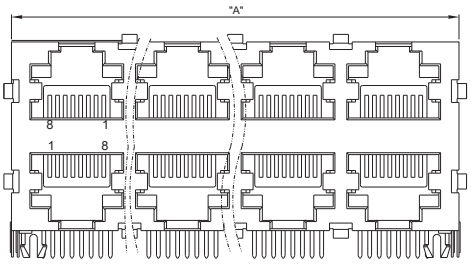
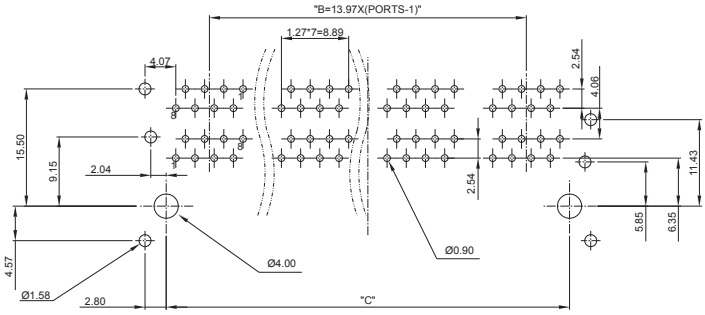
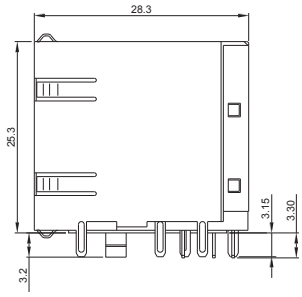








PC Board Layout
Component Side Shown

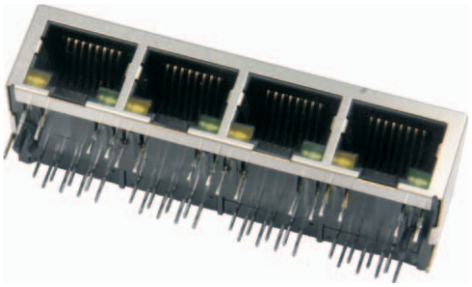


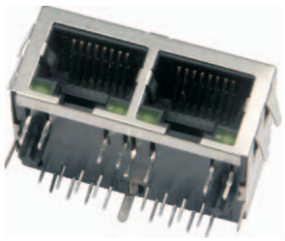
Part Number	TYPE / DIM	"A±0.2"	"B±0.2"	"C"
JS8812...	2X2	31.24	13.97	25.40
JS8814....	2X4	59.18	41.91	53.34
JS8815...	2X5	73.15	55.88	67.35
JS8816...	2X6	87.12	69.85	81.28
JS8818...	2X8	115.06	97.79	109.22

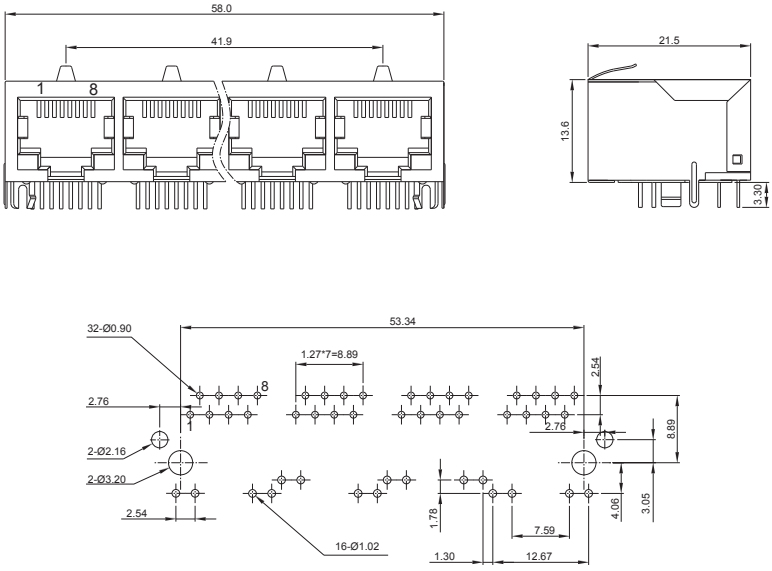
Frequency MHz	Near-End Cross Talk dB, Min.	Return Loss dB, Min.	Attenuation dB, Max.
1.0	65	30	0.1
4.0	65	30	0.1
8.0	64.9	30	0.1
10.0	63	30	0.1
16.0	58.9	30	0.2
20.0	57	30	0.2
25.0	55	30	0.2
31.25	53.1	30	0.2
62.5	47.1	24.1	0.3
100.0	43	20	0.4

C5e Side Entry 1*N 8P LED Jack STP

JS880NLLE5T6







PC Board Layout
Component Side Shown

Frequency MHz	Near-End Cross Talk dB, Min.	Return Loss dB, Min.	Attenuation dB, Max.
1.0	65	30	0.1
4.0	65	30	0.1
8.0	64.9	30	0.1
10.0	63	30	0.1
16.0	58.9	30	0.2
20.0	57	30	0.2
25.0	55	30	0.2
31.25	53.1	30	0.2
62.5	47.1	24.1	0.3
100.0	43	20	0.4

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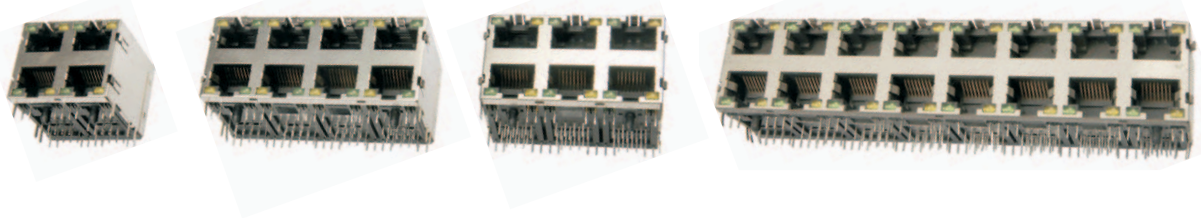
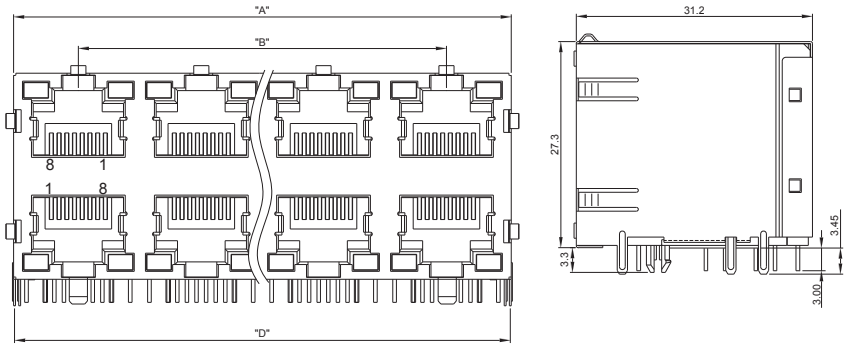
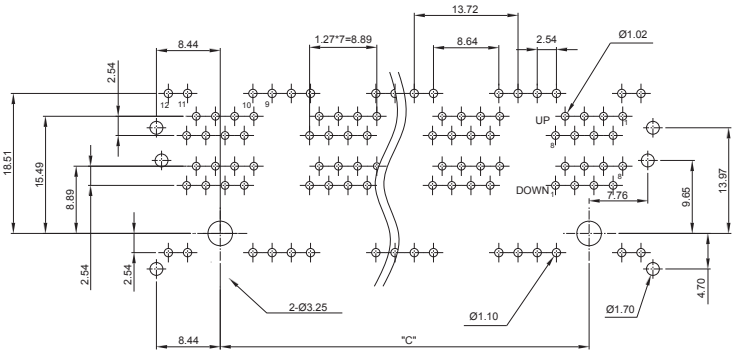
C5e Side Entry 2*N 8P LED Doublestack STP

JS881NLLPFE5T6







PC Board Layout
Component Side Shown

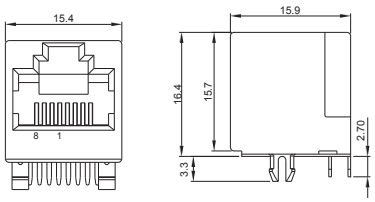
Frequency MHz	Near-End Cross Talk dB, Min.	Return Loss dB, Min.	Attenuation dB, Max.
1.0	65	30	0.1
4.0	65	30	0.1
8.0	64.9	30	0.1
10.0	63	30	0.1
16.0	58.9	30	0.2
20.0	57	30	0.2
25.0	55	30	0.2
31.25	53.1	30	0.2
62.5	47.1	24.1	0.3
100.0	43	20	0.4

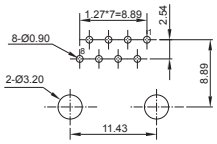
Part Number	TYPE / DIM	"A±0.2"	"B±0.2"	"C"	"D"
JS8811LLPFE5T6	2X1	17.10			16.88
JS8812LLPFE5T6	2X2	33.40	16.26	16.26	33.10
JS8813LLPFE5T6	2X3	49.45	32.52	32.52	49.15
JS8814LLPFE5T6	2X4	65.90	48.78	48.78	65.60
JS8816LLPFE5T6	2X6	98.43	81.30	81.30	98.13
JS8818LLPFE5T6	2X8	130.95	113.82	113.82	130.65

modcon® - modular jacks

C6 Side Entry PCB Jack UTP

JU88C6LU



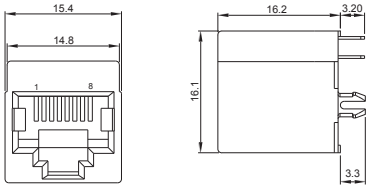


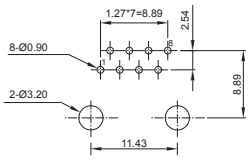
PC Board Layout
Component Side Shown

Frequency MHz	Near-End Cross Talk dB, Min.	Return Loss dB, Min.	Attenuation dB, Max.
1.0	75.0	35.5	0.1
4.0	75.0	35.5	0.1
10.0	74.0	35.5	0.1
16.0	69.9	35.5	0.1
25.0	66.0	35.5	0.1
31.25	64.1	34.1	0.1
62.5	58.1	28.1	0.1
100.0	54.0	24.0	0.2
200.0	48.0	18.0	0.3
250.0	46.0	16.0	0.3

C6 Top Entry PCB Jack UTP

JU88VC6



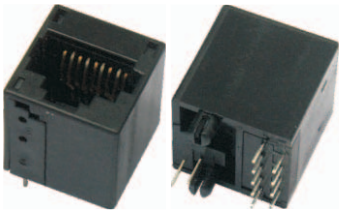


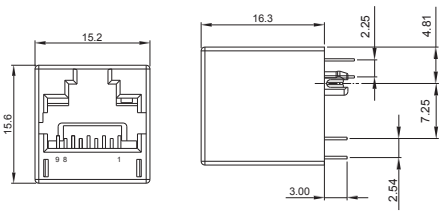
PC Board Layout
Component Side Shown

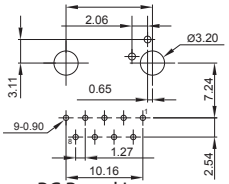
Frequency MHz	Near-End Cross Talk dB, Min.	Return Loss dB, Min.	Attenuation dB, Max.
1.0	75.0	35.5	0.1
4.0	75.0	35.5	0.1
10.0	74.0	35.5	0.1
16.0	69.9	35.5	0.1
25.0	66.0	35.5	0.1
31.25	64.1	34.1	0.1
62.5	58.1	28.1	0.1
100.0	54.0	24.0	0.2
200.0	48.0	18.0	0.3
250.0	46.0	16.0	0.3

C6 Top Entry 8P+2P Switch PCB Jack UTP

JU88VC6SW





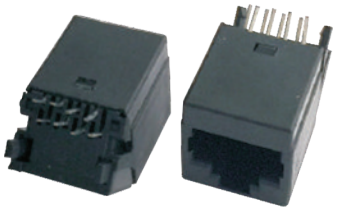


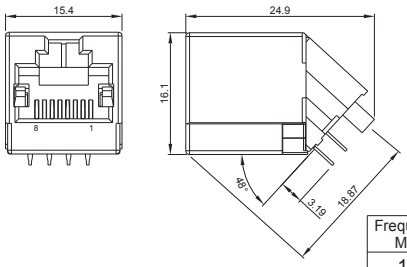
PC Board Layout
Component Side Shown

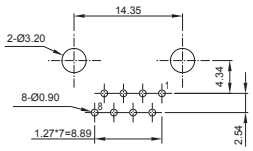
Frequency MHz	Near-End Cross Talk dB, Min.	Return Loss dB, Min.	Attenuation dB, Max.
1.0	75.0	35.5	0.1
4.0	75.0	35.5	0.1
10.0	74.0	35.5	0.1
16.0	69.9	35.5	0.1
25.0	66.0	35.5	0.1
31.25	64.1	34.1	0.1
62.5	58.1	28.1	0.1
100.0	54.0	24.0	0.2
200.0	48.0	18.0	0.3
250.0	46.0	16.0	0.3

C6 47.5° 8P PCB Jack UTP

JU88C6A





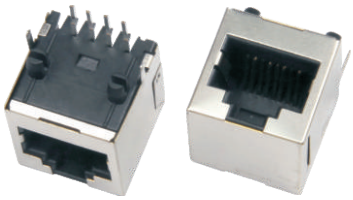


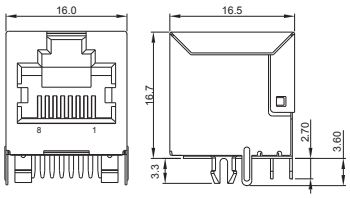
PC Board Layout
Component Side Shown

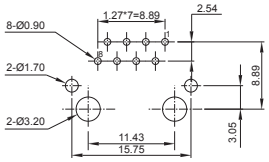
Frequency MHz	Near-End Cross Talk dB, Min.	Return Loss dB, Min.	Attenuation dB, Max.
1.0	75.0	35.5	0.1
4.0	75.0	35.5	0.1
10.0	74.0	35.5	0.1
16.0	69.9	35.5	0.1
25.0	66.0	35.5	0.1
31.25	64.1	34.1	0.1
62.5	58.1	28.1	0.1
100.0	54.0	24.0	0.2
200.0	48.0	18.0	0.3
250.0	46.0	16.0	0.3

C6 Side Entry 8P PCB Jack STP

JS88C6LU





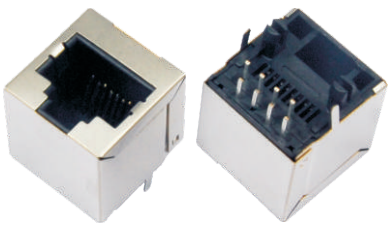


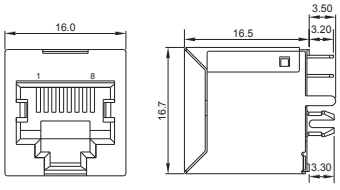
PC Board Layout
Component Side Shown

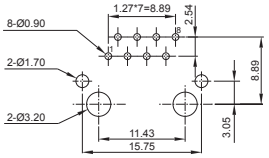
Frequency MHz	Near-End Cross Talk dB, Min.	Return Loss dB, Min.	Attenuation dB, Max.
1.0	75.0	35.5	0.1
4.0	75.0	35.5	0.1
10.0	74.0	35.5	0.1
16.0	69.9	35.5	0.1
25.0	66.0	35.5	0.1
31.25	64.1	34.1	0.1
62.5	58.1	28.1	0.1
100.0	54.0	24.0	0.2
200.0	48.0	18.0	0.3
250.0	46.0	16.0	0.3

C6 Top Entry 8P PCB Jack STP

JS88VC6







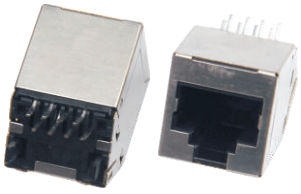
PC Board Layout
Component Side Shown

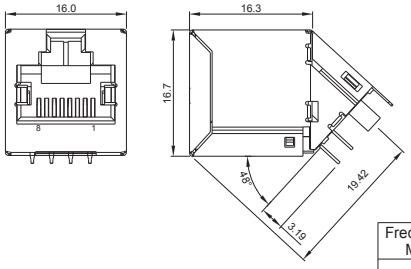
Frequency MHz	Near-End Cross Talk dB, Min.	Return Loss dB, Min.	Attenuation dB, Max.
1.0	75.0	35.5	0.1
4.0	75.0	35.5	0.1
10.0	74.0	35.5	0.1
16.0	69.9	35.5	0.1
25.0	66.0	35.5	0.1
31.25	64.1	34.1	0.1
62.5	58.1	28.1	0.1
100.0	54.0	24.0	0.2
200.0	48.0	18.0	0.3
250.0	46.0	16.0	0.3

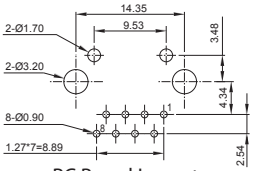
modcon® - modular jacks

C6 47.5° PCB Jack STP

JS88C6A





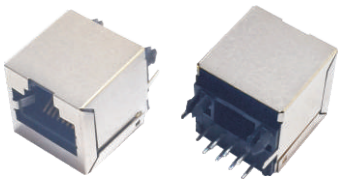


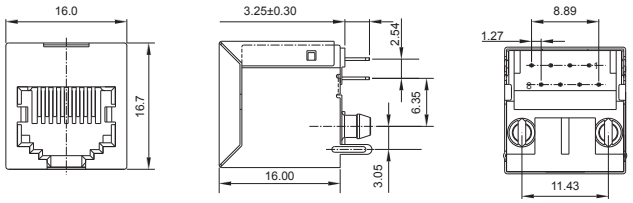
PC Board Layout
Component Side Shown

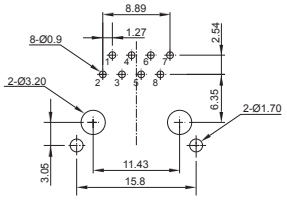
Frequency MHz	Near-End Cross Talk dB, Min.	Return Loss dB, Min.	Attenuation dB, Max.
1.0	75.0	35.5	0.1
4.0	75.0	35.5	0.1
10.0	74.0	35.5	0.1
16.0	69.9	35.5	0.1
25.0	66.0	35.5	0.1
31.25	64.1	34.1	0.1
62.5	58.1	28.1	0.1
100.0	54.0	24.0	0.2
200.0	48.0	18.0	0.3
250.0	46.0	16.0	0.3

C6 Top Entry 8P PCB Jack STP

JS88VC6PF





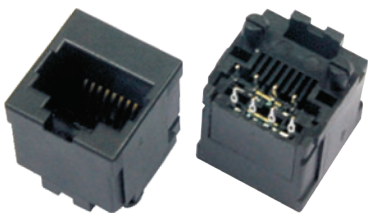


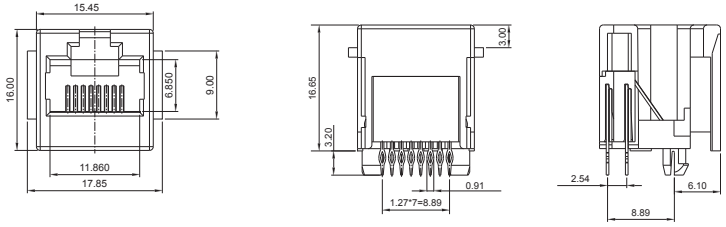
PC Board Layout
Component Side Shown

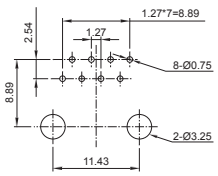
Frequency MHz	Near-End Cross Talk dB, Min.	Return Loss dB, Min.	Attenuation dB, Max.
1.0	75.0	35.5	0.1
4.0	75.0	35.5	0.1
10.0	74.0	35.5	0.1
16.0	69.9	35.5	0.1
25.0	66.0	35.5	0.1
31.25	64.1	34.1	0.1
62.5	58.1	28.1	0.1
100.0	54.0	24.0	0.2
200.0	48.0	18.0	0.3
250.0	46.0	16.0	0.3

C5e Top Entry 8P PCB Jack Press Fit STP

JU88VE5Z







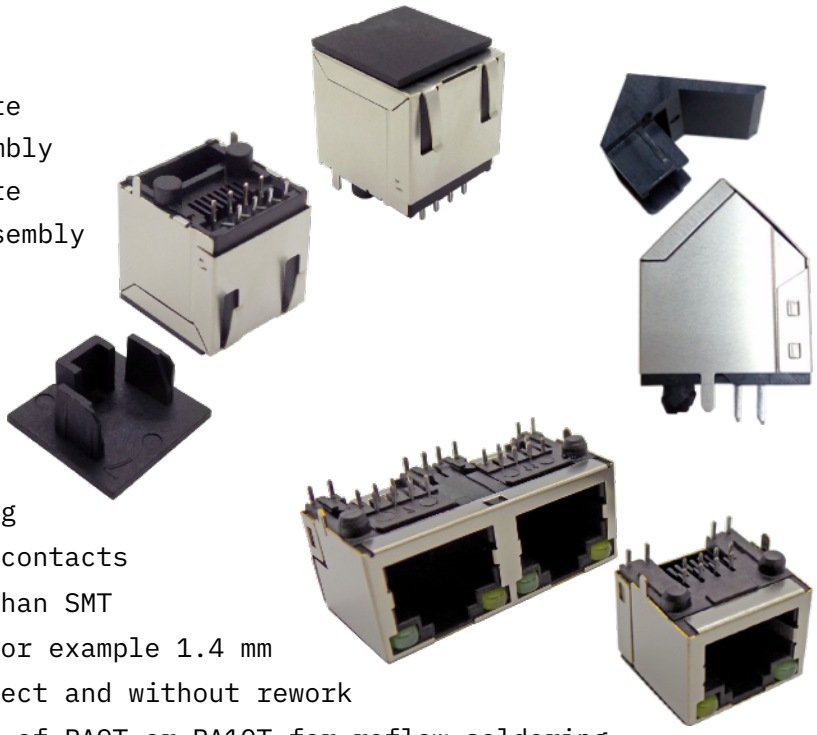
PC Board Layout
Component Side Shown

Frequency MHz	Near-End Cross Talk dB, Min.	Return Loss dB, Min.	Attenuation dB, Max.
1.0	65	30	0.1
4.0	65	30	0.1
8.0	64.9	30	0.1
10.0	63	30	0.1
16.0	58.9	30	0.2
20.0	57	30	0.2
25.0	55	30	0.2
31.25	53.1	30	0.2
62.5	47.1	24.1	0.3
100.0	43	20	0.4

Modular Jack - Pin in Paste

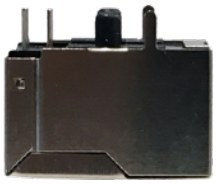
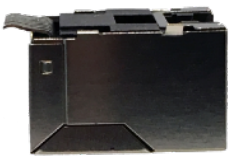
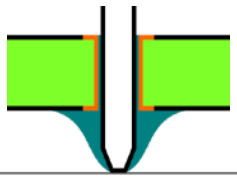
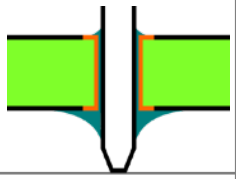
Description

Connectors are often the only non SMT component and therefore require separate process to wave solder and manual assembly of the connectors. Inelco's Pin in Paste jacks are best suited for automatic assembly



Advantages

- Reliability and yield
- Fully automated handling and soldering
- Easier to assemble than the long THT contacts
- More resistant to mechanical forces than SMT
- Custom contact length is available, for example 1.4 mm
- Perfect soldering without whisker effect and without rework
- High temperature withstanding housing of PA9T or PA10T for reflow soldering
- Tape and reel packaging
- Mylar or pick and place pad for top entry and angled type

Soldering Technology	THT Through-Hole Technology	THR Through-Hole-Reflow	PiP Pin in Paste	SMT Surface Mount Technology
Contact Design				
Soldered Contacts				
Solder Process	Hand / Wave	Reflow	Reflow / Wave	Reflow / Wave
Plastic	PBT / FR52	PA9T / PA10T	PA9T / PA10T	PA9T / PA10T
Board Assembly	Manual	Manual	Pick and Place Machine	Pick and Place Machine

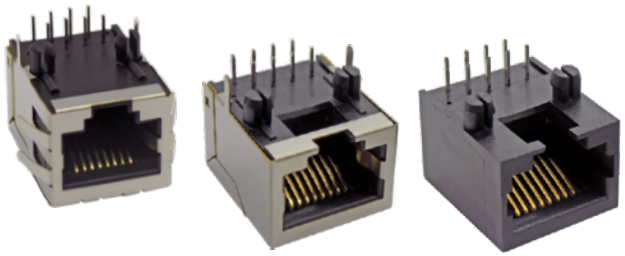
Modular Jacks

INELCO has one of the broadest ranges of modular connectors, which INELCO named MODCON®. As a leading manufacturer of modular jacks we develop and improve our product according to our customer's needs.

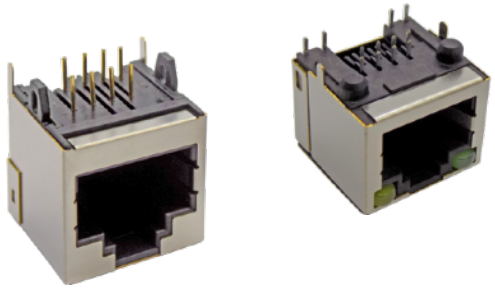
Features
- Low profile, short body
- Single or multi port
- with or without LEDs
- single or bi-color LEDs, many colors

Specifications
- THT, THR, PiP, SMT, EDGE
- Cat5, Cat5e, Cat6, Cat6A
- unshielded or shielded
- with or without EMI tabs
- 6 ... 50 µ" gold plating, std 30 µ"

Side Entry
Latch Down

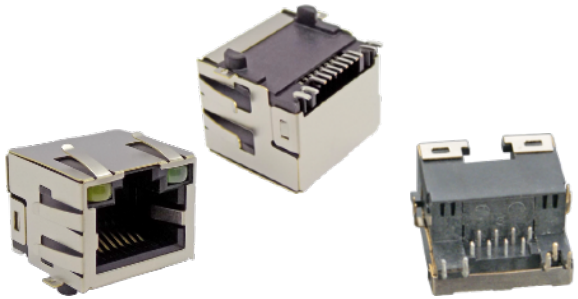


Side Entry
Latch Up

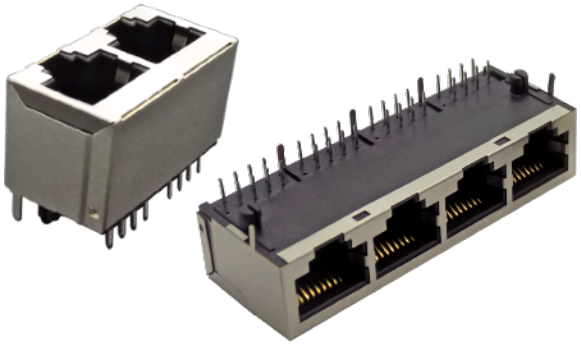


Top Entry
Straight & Angled

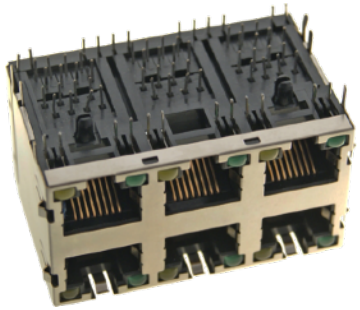
SMT, Card Edge



Harmonica



Doublestack



MODCON® RJ45 INDUSTRIAL JACKS

MODCON® RJ45 INDUSTRIAL JACKS

RJ45 connectors allow some motion between the mating parts, even when fully seated and locked, because it were originally developed for the typical environment of telephone applications. Today the RJ45 is standardized for many other applications like automotive, medical, networking, computer and industrial applications. Especially for the industrial application the RJ45s were never ever developed for. The harsh environment and the extended force to the mating point are the main problems. INELCO put a lot of effort into the development of a complete new style RJ45's. Even so the connectors look the same from the outside, all items were completely new designed and developed.

Industrial applications mean also higher temperatures and higher mechanic stress for the housings of the jacks. Therefore INELCO redesigned the housing by using a special polyamid based plastic, which withstands higher temperatures than standard high temp plastics, but is soft enough not to break under stress.

The extended working temperatures of -40°C to +85°C, but also shock and vibrations, are creating problems for standard magnetics. Special coils and wires have to be used.

The vibrations and the possible movement of the plug within the jack housing create discontinuity at standard modular jacks. INELCO developed a new contact shape which allows the contact better to follow the plug at movements without being levered.

For shock and vibrations the magnetics are secured encapsulated inside the frame. For continuity at wiggling the contacts get freely suspended.

Additional Features:

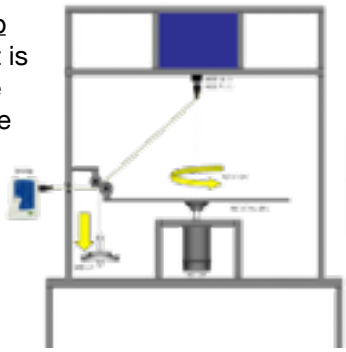
- additional space underneath the vertical version for additional space on the PCB, to be used for e.g. capacitors
- Diamond posts for better hold on the PCB
- same dimensions and footprint for all versions of the same style

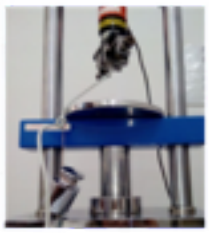
Available Versions:

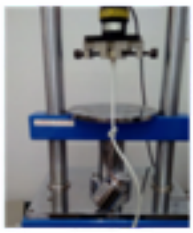
- without magnetics: CAT5e and CAT6
- with magnetics: Profinet, 10/100 BaseT and Gigabit Ethernet
- optional LED's
- various shield options
- optional tape and reel packing

Wiggle (Gorilla) Dynamic Test Setup

The wiggle test is a severe test that is used to evaluate the integrity of the mated plug/jack connection and the risk of loss of electrical continuity. Acceptance Criteria: No loss of electrical continuity of the mated connection and the shield. INELCO's RJ45s are developed and build to pass these tests without any loss of electrical continuity.

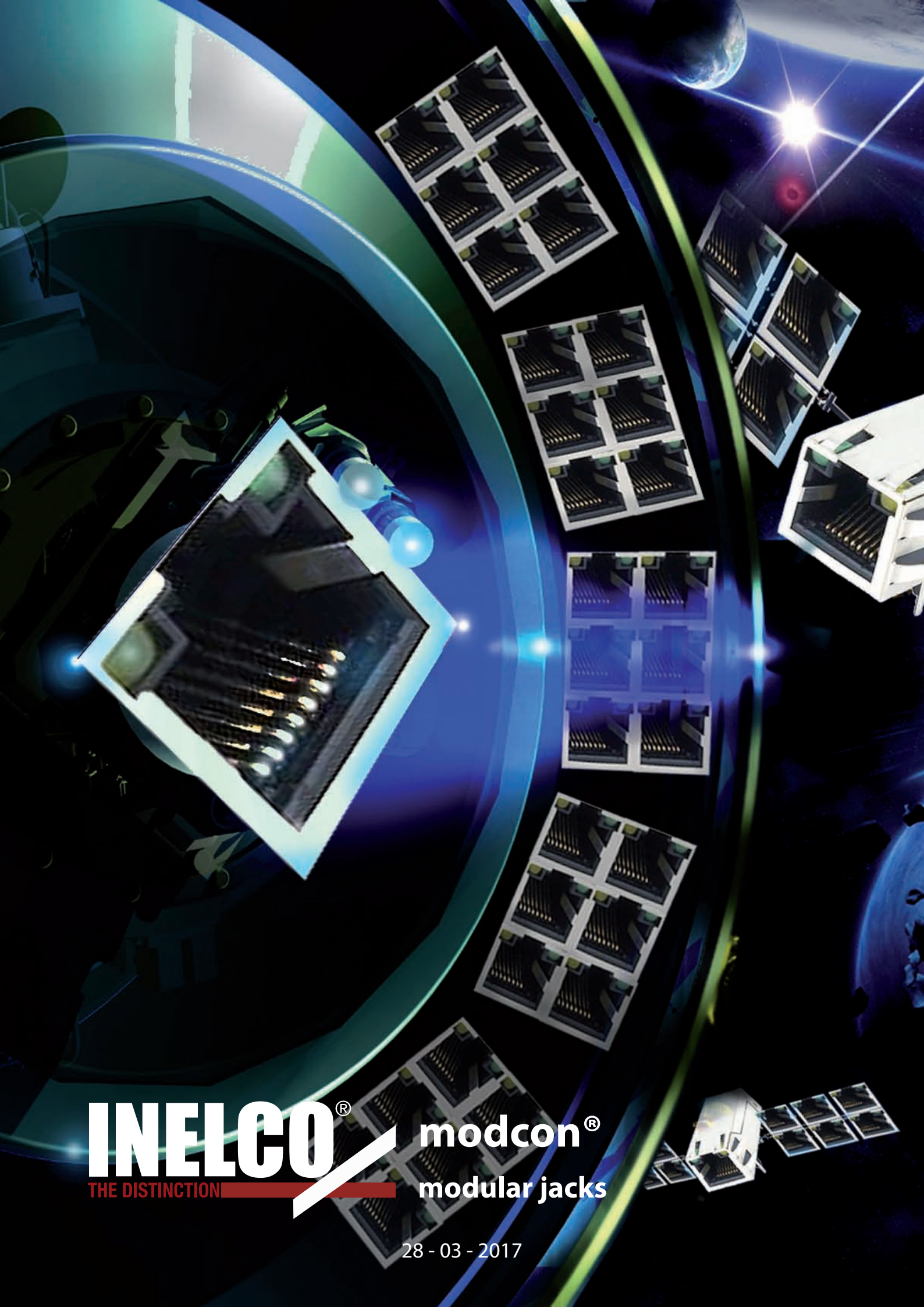






Accessories: PVC Dust Cover for RJ45 Jacks

INELCO's modcon® RJ45 industrial are a part of INELCO's premium plug series, which is a forward thinking development of enhanced modular plugs for use in industrial and high-speed data environments. Excellent electrical performance, Single-Step termination process (shield & contacts are crimped in 1 operation), 360 degree shield connection, slim design for use in high density applications and capability for field termination, are only some of the many advantages of this plug series.



INELCO®

THE DISTINCTION

modcon®

modular jacks

28 - 03 - 2017

INELCO the home of unparalleled quality and service in INterconnection and ELectronic COmponents is a European driven company, manufactoring European ideas, solutions and quality in Asia.
INELCO's mission is to fulfill the requirements of their partners and customers and remains the best choice for cost-effective solutions. INELCO is the supplier of interconnection and electronic components and systems for networking, telecommunications and industrial applications. INELCO's product range includes modular (Western) plugs and jacks (modcon®), with and without integrated transformers (intrajack®), shielded and unshielded as well as terminals (voice services®), SFPs (compu-shield®), M12 (circon®), discrete components (discom® transformers, coils and inductors), USBs and other additional products and services.

Product Overview

modcon® - modular jacks

Technical Specification

Voltage Rating	125 VAC
Current Rating	1.5 A
Contact Resistance	30 mΩ max.
Insulation Resistance	1,000 MΩ min.
Withstanding Voltage	1,000 V AC 60 Hz 1 min.
Housing	High Temp. Polycarbonate or Polyester, UL 94 V-0/ UL 94 V-2
Shield	Copper Alloy Nickel Plated T = 0.25 mm
Contacts	Phosphor Bronze
Plating	Gold over Nickel
Selective Goldplating	3/ 6/ 15/ 30/ 50 µ"
Durability	500 ... 2,500 Mating Cycles min.
Storage Temperature	-40°C to +85°C
Operation Temperature	-40°C to +85°C

Mates with Modular Plug Conforming to ANSI/ TIA-1096-A

Part Numbers

J X C P (N N) Y Z - G

- **G**old Plating, selective: standard = 30µ" / G03 = 3µ" / G15 = 15µ" / G50 = 50µ"
- **Options:**
- **N**umber of Ports upper and lower row
- Number of **C**ontacts and **P**ositions
- Shielding: **U**: **U**nshielded, **S: S**hielded
- Jack Type: **J:** Modular **J**ack

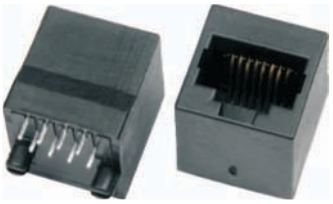
- A:	Angled
- CC:	Contact Carrier
- C6:	Cat6
- D:	Dip
- DP:	Dip Soldering Peg
- EDGE:	Card Edge
- E5:	Cat5e
- FE:	Ferrum
- H:	Horizontal
- LL:	With LEDs
- LP:	Low Profile
- LU:	Latch Up
- O:	High Profile
- PF:	Front Peg
- Q:	Economy Version
- SB :	Short Body
- SMT:	Surface Mounted Technology
- SW:	Switch
- T6:	Enhanced Shield with EMI-Tabs
- V:	Vertical (Top Entry)
- W:	White
- Z:	Press Fit

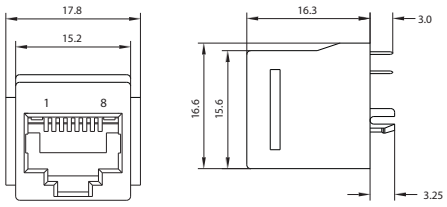
Product Overview

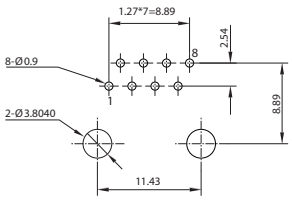
modcon® - modular jacks

Top Entry 8P PCB Jack UTP

JU88V



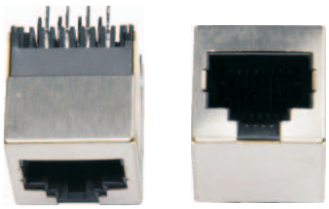


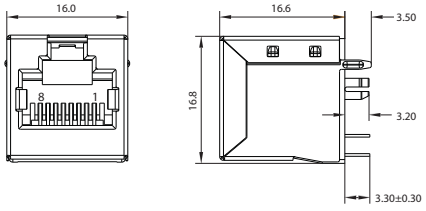


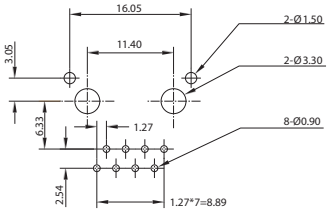
PC Board Layout
Component Side Shown

Top Entry 8P PCB Jack STP

JS88VPF



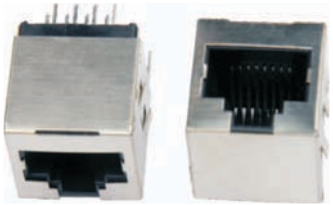


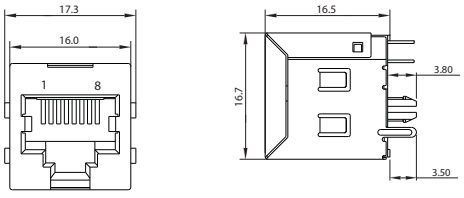


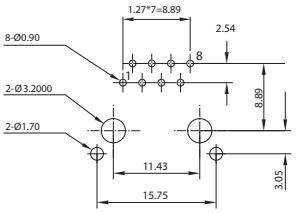
PC Board Layout
Component Side Shown

Top Entry PCB Jack STP

JS88VT6PF





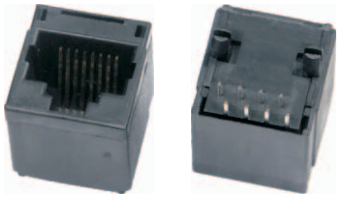


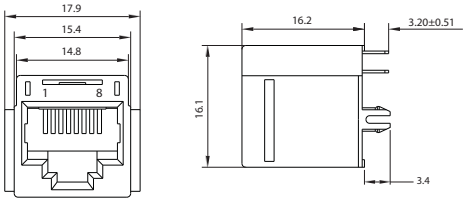
PC Board Layout
Component Side Shown

modcon® - modular jacks

Top Entry 8P PCB Jack UTP

JU88VD

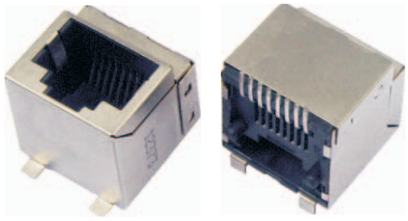


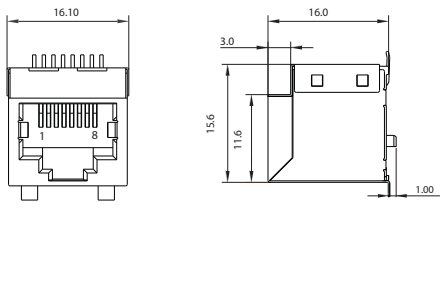


PC Board Layout
Component Side Shown

Top Entry 8P SMT Jack STP

JS88VDSMT

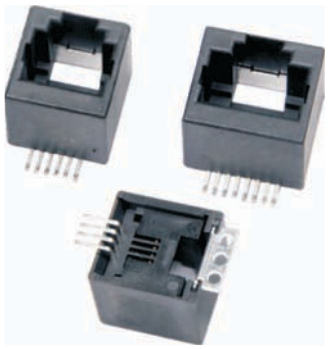


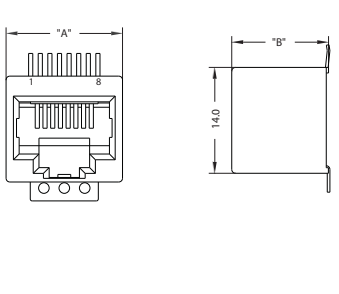


PC Board Layout
Component Side Shown

Top Entry 4P, 6P, 8P SMT Jack UTP

JUCPVSMT





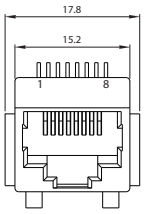
PC Board Layout
Component Side Shown

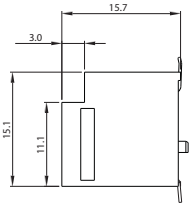
Part Number	Type / DIM	"A±0.2"	"B±0.2"	"C"
JU44VSMT	4P	13.2	12.8	3.81
JU66VSMT	6P	13.2	12.8	6.35
JU88VSMT	8P	15.4	12.8	8.89

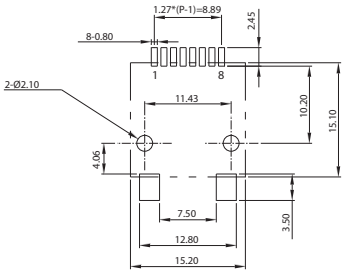
modcon® - modular jacks

Top Entry 8P SMT Jack UTP

JU88VDSMT



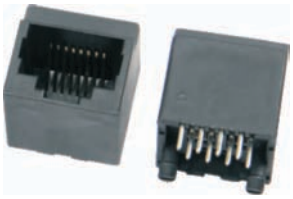


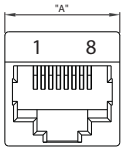


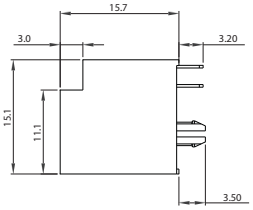
PC Board Layout
Component Side Shown

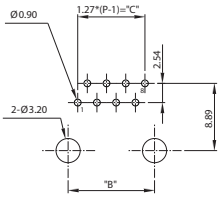
Top Entry 4P, 6P, 8P PCB Jack UTP

JUCPVD







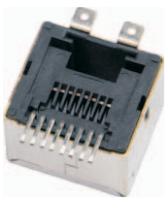


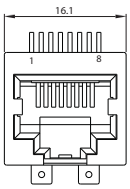
PC Board Layout
Component Side Shown

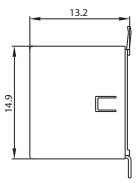
Part Number	TYPE / DIM	"A±0.2"	"B±0.2"	"C"
JU44VD	4P	11.2	7.62	3.81
JU66VD	6P	13.2	10.16	6.35
JU88VD	8P	15.2	11.43	8.89

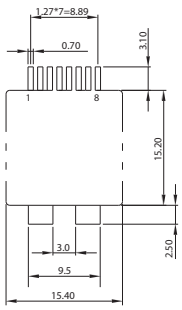
Top Entry 8P SMT Jack STP

JS88VSMT







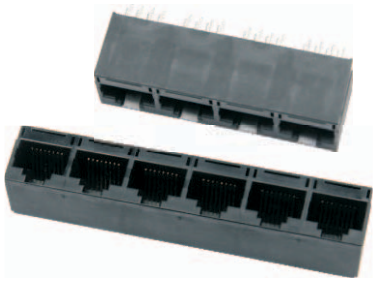


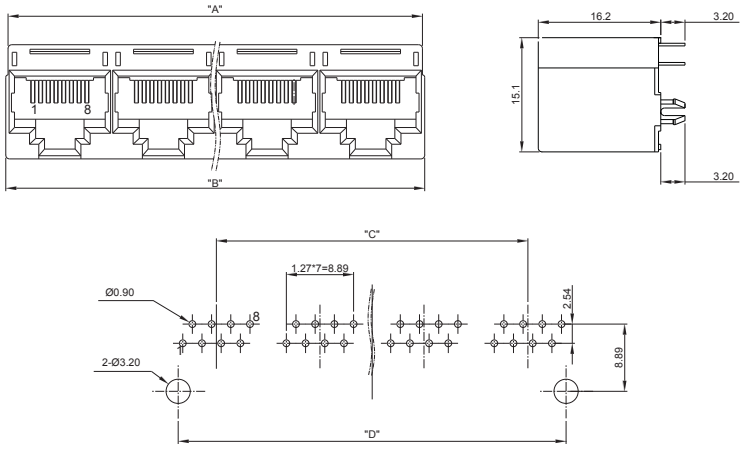
PC Board Layout
Component Side Shown

modcon® - modular jacks

Top Entry 1*N 8P PCB Jack UTP

JU880NV



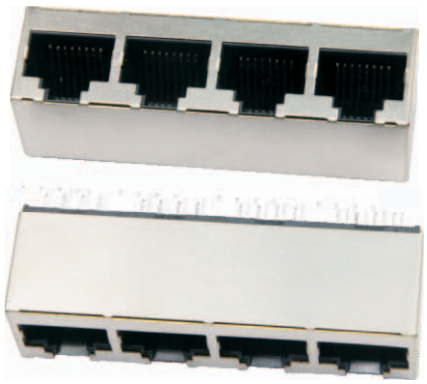


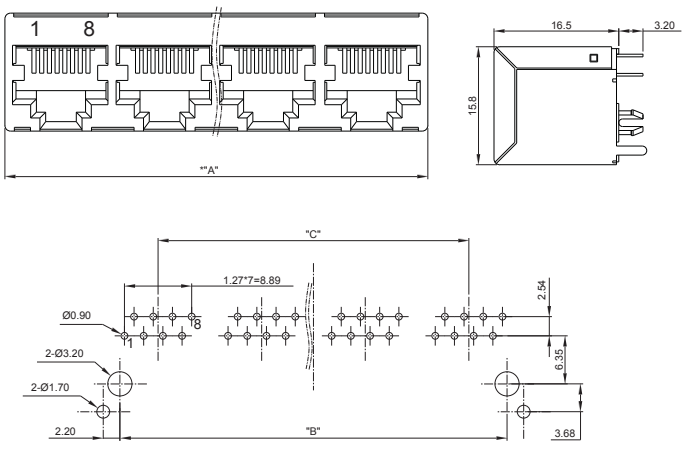
PC Board Layout
Component Side Shown

Part Number	TYPE / DIM	"A±0.2"	"B±0.2"	"C"	"D"
JU8802V	1x2	27.4	28.0	13.70	23.80
JU8804V	1x4	54.8	55.4	41.10	51.20
JU8805V	1x5	68.5	69.1	54.80	64.90
JU8806V	1x6	82.2	82.8	68.50	78.60
JU8808V	1x8	109.6	102.2	95.90	106.00

Top Entry 1*N 8P PCB Jack STP

JS880NV





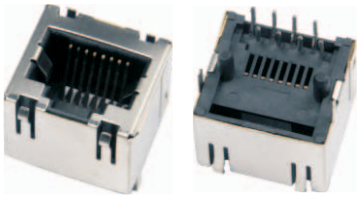
PC Board Layout
Component Side Shown

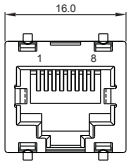
Part Number	TYPE / DIM	"A±0.2"	"B±0.2"	"C"
JS8802V	1x2	28.6	23.8	13.70
JS8804V	1x4	56.0	51.2	41.10
JS8806V	1x6	83.4	78.6	68.50
JS8808V	1x8	110.8	106.0	95.90

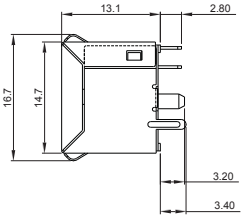
modcon® - modular jacks

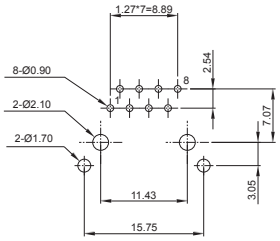
Top Entry L/P 8P PCB Jack STP 13.1 mm H

JS88VLP





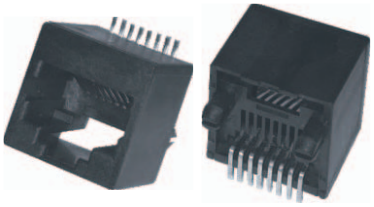


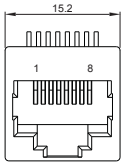


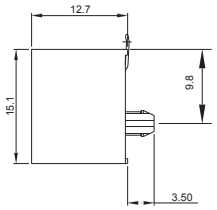
PC Board Layout
Component Side Shown

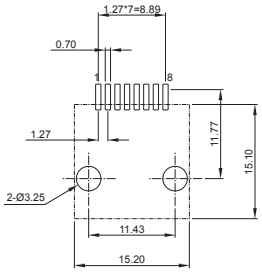
Top Entry L/P 8P SMT Jack UTP 12.7 mm H

JU88VLPSMT





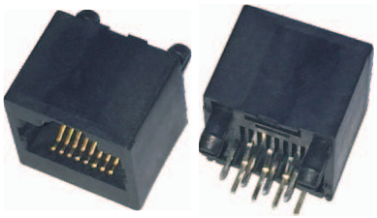


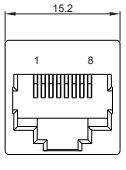


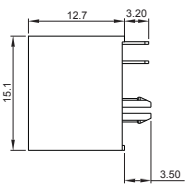
PC Board Layout
Component Side Shown

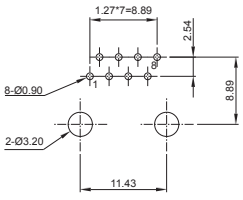
Top Entry L/P 8P PCB Jack DIP UTP 12.7 mm H

JU88VLP







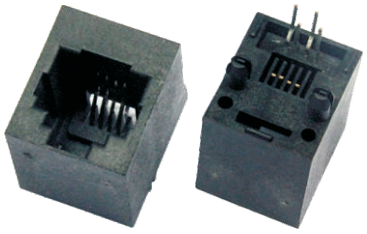


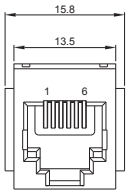
PC Board Layout
Component Side Shown

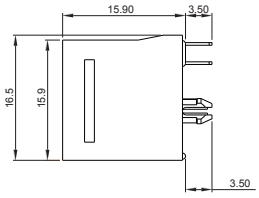
modcon® - modular jacks

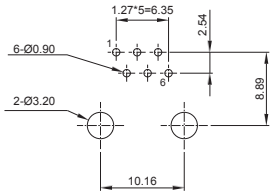
Top Entry 6P PCB Jack UTP

JUC6V





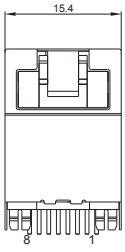


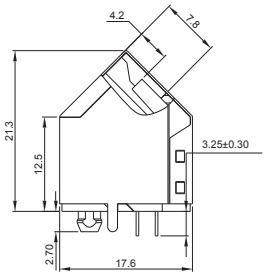


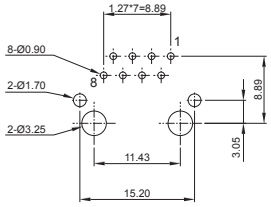
PC Board Layout
Component Side Shown

45° 8P PCB Jack STP

JS88A



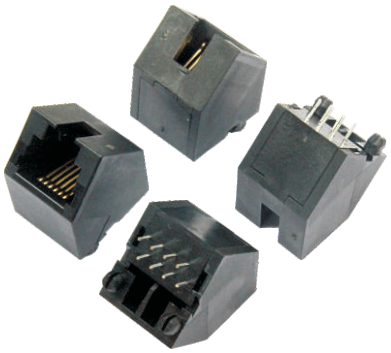


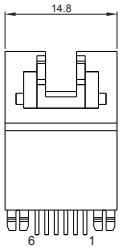


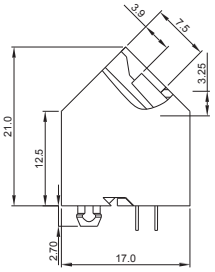
PC Board Layout
Component Side Shown

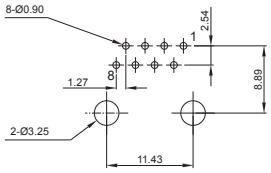
45° 8P PCB Jack

JU88A







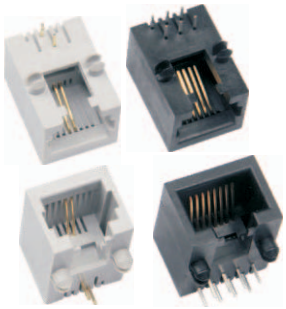


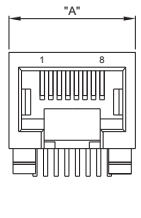
PC Board Layout
Component Side Shown

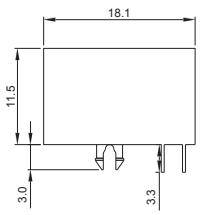
modcon® - modular jacks

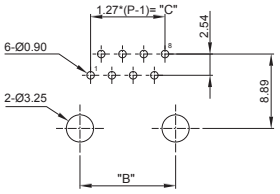
Side Entry L/P 6P, 8P PCB Jack UTP

JUCPLP







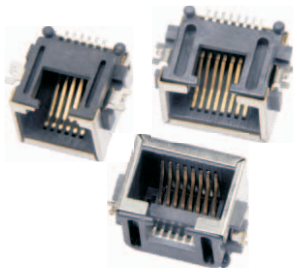


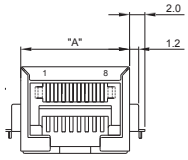
PC Board Layout
Component Side Shown

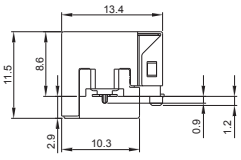
Part Number	TYPE / DIM	"A±0.2"	"B±0.2"	"C"
JU66LP	6P	13.2	10.16	6.35
JU88LP	8P	15.1	11.43	8.89

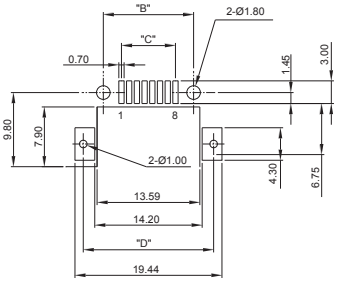
Side Entry 6P, 8P SMT Jack Card Edge STP

JSCPEDGESMT







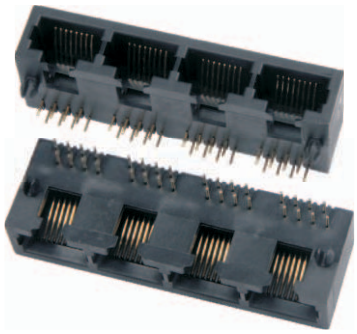


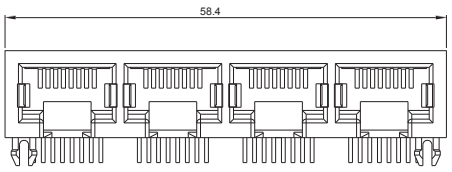
PC Board Layout
Component Side Shown

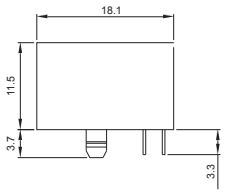
Part Number	TYPE / DIM	"A±0.2"	"B±0.2"	"C"	"D"
JS66EDGESMT	6P	11.7	9.89	5.10	15.20
JS88EDGESMT	8P	14.4	11.94	7.14	17.24

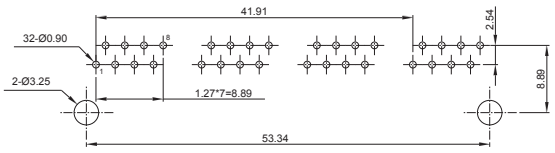
Side Entry L/P 1*4 8P PCB Jack UTP

JU8804LP







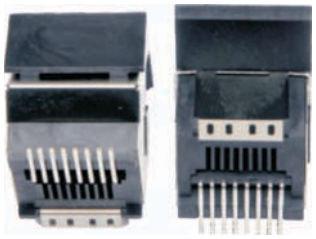


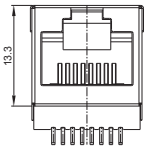
PC Board Layout
Component Side Shown

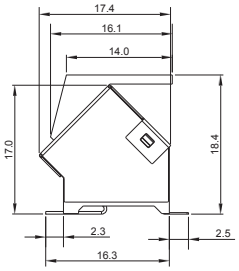
modcon® - modular jacks

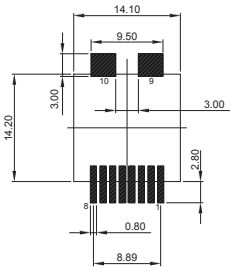
Side Entry 8P SMT Jack UTP

JU88ASMT





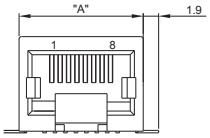


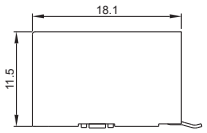


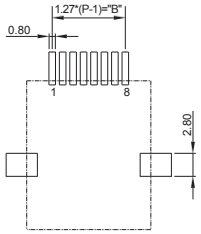
PC Board Layout
Component Side Shown

Side Entry 4P, 6P, 8P SMT Jack UTP

JUCPSMT3





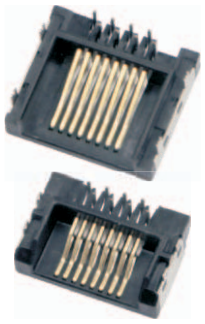


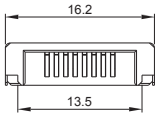
PC Board Layout
Component Side Shown

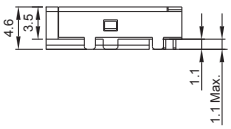
Part Number	TYPE / DIM	"A±0.2"	"B±0.2"
JU44SMT3	4P	11.2	3.81
JU66SMT3	6P	13.2	6.35
JU88SMT3	8P	15.1	8.89

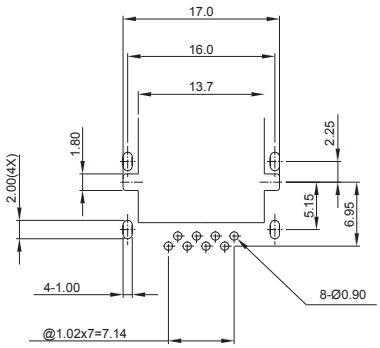
Side Entry 8P Half PCB Jack UTP

JU88CC







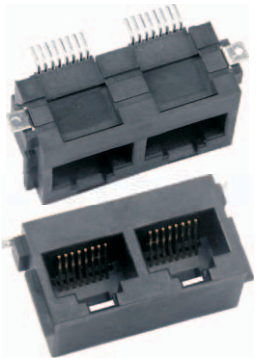


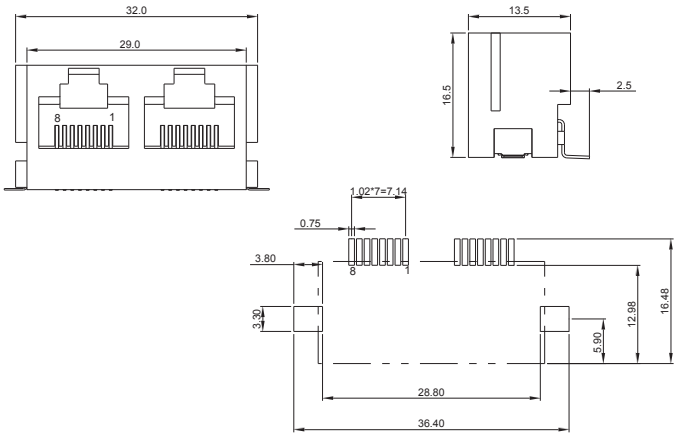
PC Board Layout
Component Side Shown

modcon® - modular jacks

Side Entry 1*2 8P SMT Jack UTP

JU8802LUSMT

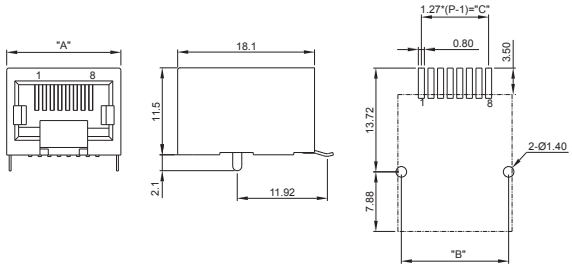




PC Board Layout
Component Side Shown

Side Entry 4P, 6P, 8P SMT Jack UTP

JUCPSMT1



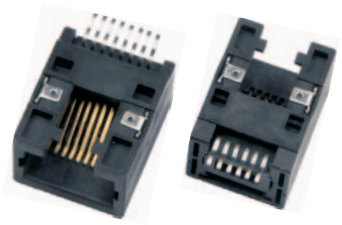
PC Board Layout
Component Side Shown

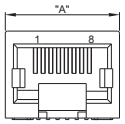
Part Number	TYPE / DIM	"A±0.2"	"B±0.2"	"C"
JU44SMT1	4P	11.2	10.16	3.81
JU66SMT1	6P	13.2	12.16	6.35
JU88SMT1	8P	15.1	14.19	8.89

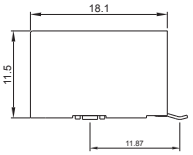
modcon® - modular jacks

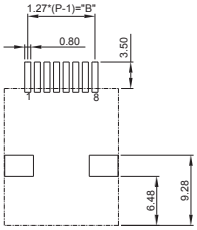
Side Entry 6P, 8P SMT Jack UTP

JUCPSMT2







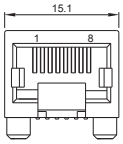


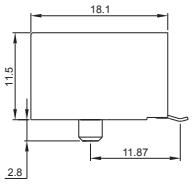
PC Board Layout
Component Side Shown

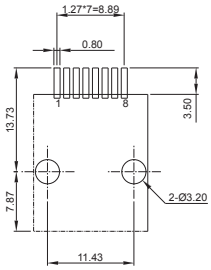
Part Number	TYPE / DIM	"A±0.2"	"B±0.2"
JU66SMT2	6P	13.2	6.35
JU88SMT2	8P	15.1	8.89

Side Entry 8P SMT Jack UTP

JU88DSMT



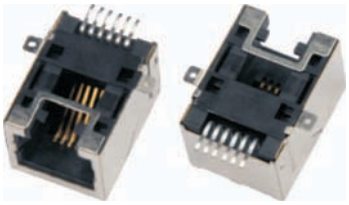


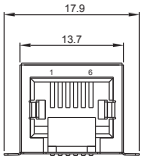


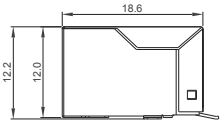
PC Board Layout
Component Side Shown

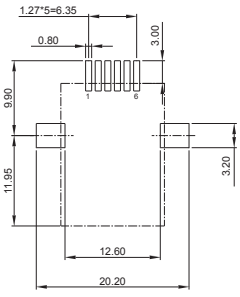
Side Entry 6P SMT Jack STP

JS66SMT3







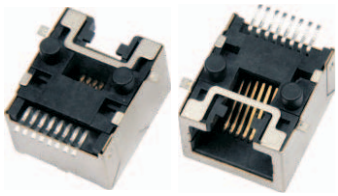


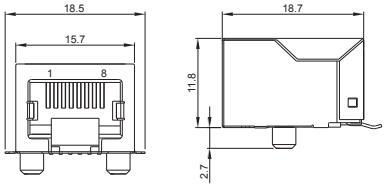
PC Board Layout
Component Side Shown

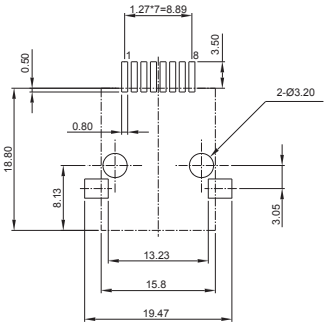
modcon® - modular jacks

Side Entry 8P SMT Jack STP

JS88SMT2



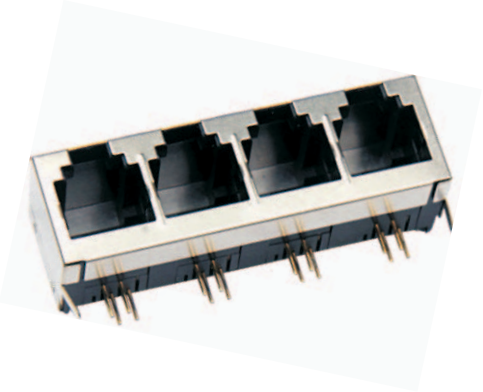


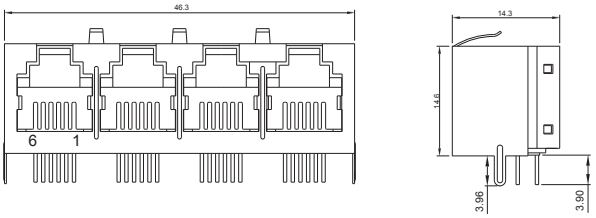


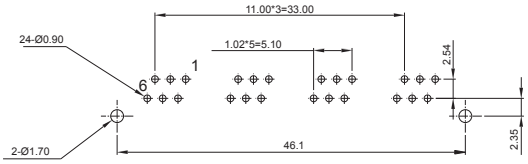
PC Board Layout
Component Side Shown

Side Entry 1*4 Mini L/P 6P PCB Jack STP

JS6604LUT6





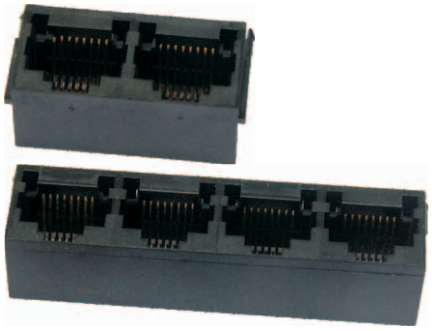


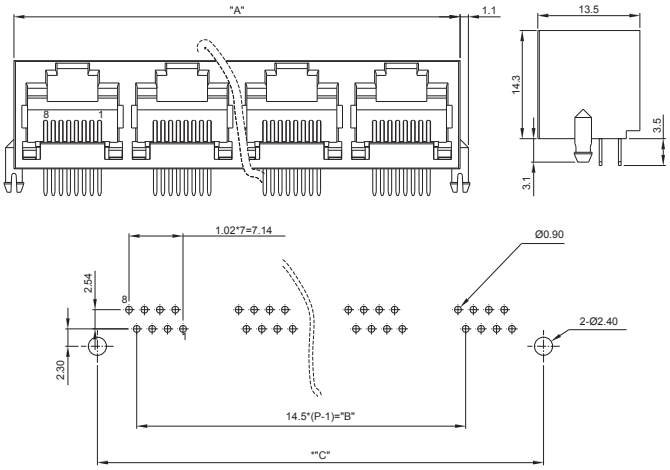
PC Board Layout
Component Side Shown

modcon® - modular jacks

Side Entry 1*N Mini L/P 8P PCB Jack UTP

JU880NLULP



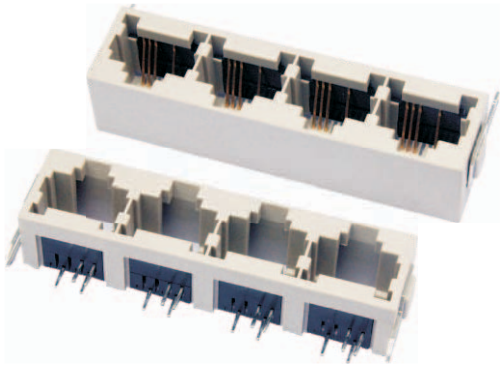


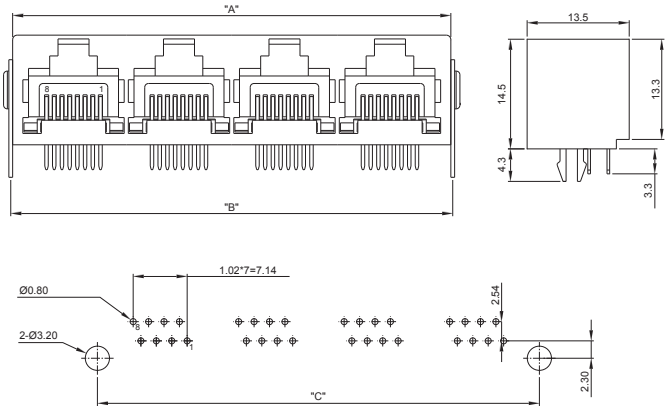
PC Board Layout
Component Side Shown

Part Number	TYPE / DIM	"A±0.2"	"B±0.2"	"C"
JU8801LULP	1X1	15.5		15.50
JU8802LULP	1X2	30.0	14.50	30.00
JU8803LULP	1X3	44.5	29.00	45.50
JU8804LULP	1X4	59.0	43.50	59.00
JU8805LULP	1X5	73.5	58.00	73.50
JU8806LULP	1X6	88.0	72.50	88.00
JU8808LULP	1X8	117.0	101.50	117.00

Side Entry 1*1, 1*4 Mini L/P 8P PCB Jack Metal Feet UTP

JU880NLULPW





PC Board Layout
Component Side Shown

Part Number	TYPE / DIM	"A±0.2"	"B±0.2"	"C"
JU8801LULPW	8P	16.1	16.60	16.60
JU8804LULPW	8P	58.0	58.45	58.45

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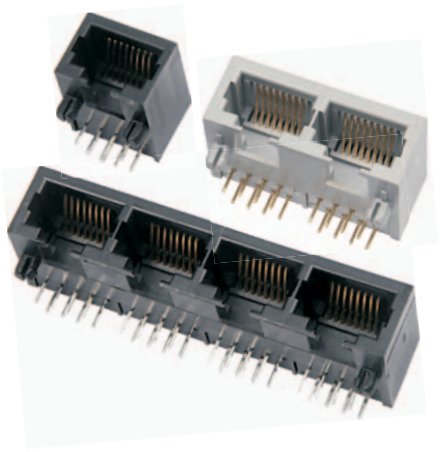
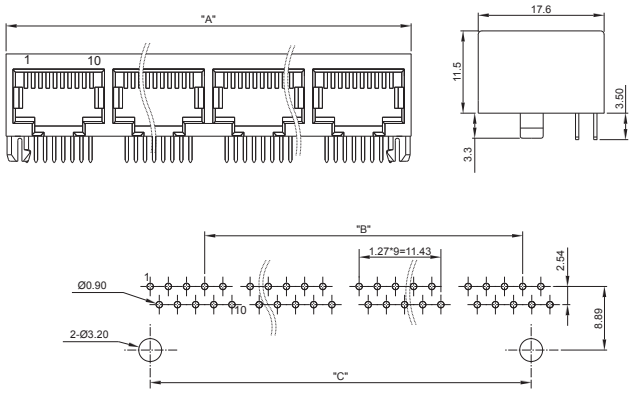
Side Entry 1*N L/P 8P PCB Jack UTP

JU800NLP



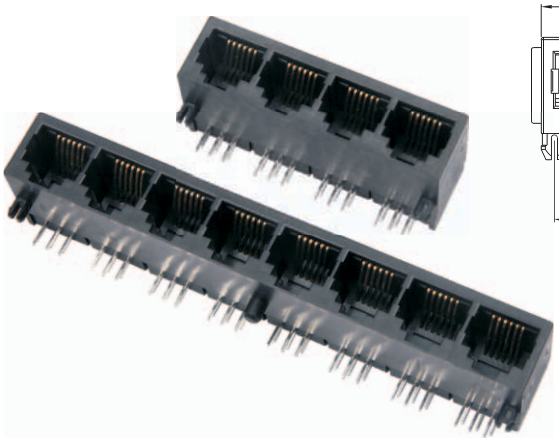


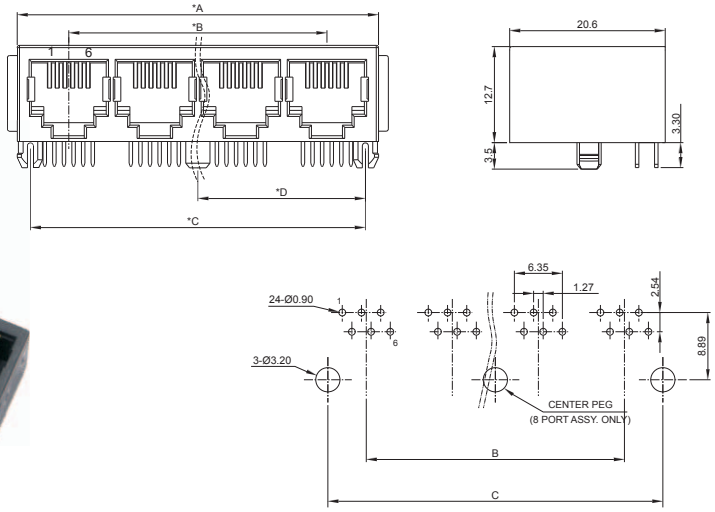
PC Board Layout
Component Side Shown

Part Number	TYPE / DIM	"A±0.2"	"B±0.2"	"C"
JU8001LP	1X1	15.1		11.43
JU8002LP	1X2	30.4	13.97	25.40
JU8003LP	1X3	44.4	27.94	39.37
JU8004LP	1X4	58.4	41.91	53.34
JU8005LP	1X5	72.3	55.88	67.31
JU8006LP	1X6	86.3	69.85	81.28
JU8008LP	1X8	114.3	97.79	109.22

Side Entry 1*4, 1*8 6P PCB Jack UTP

JU660N





PC Board Layout
Component Side Shown

Part Number	TYPE / DIM	"A±0.2"	"B±0.2"	"C"	"D"
JU6604	1X4	47.78	34.14	44.31	
JU6608	1X8	93.29	79.66	89.82	44.91

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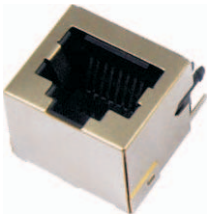
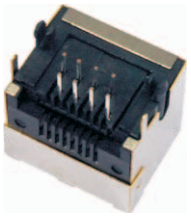
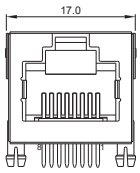
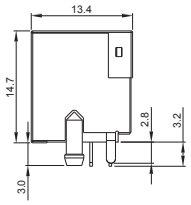
Side Entry Mini L/P 8P PCB Jack STP

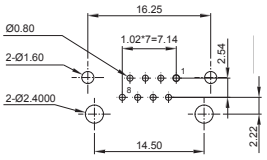
JS88LULP







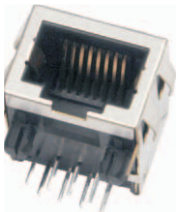


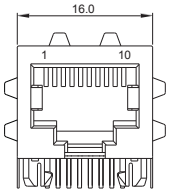


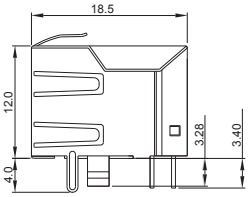
PC Board Layout
Component Side Shown

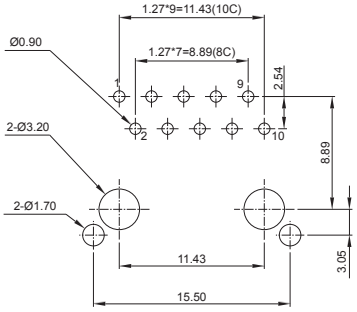
Side Entry L/P 10P PCB Jack STP

JS80LPPFT6





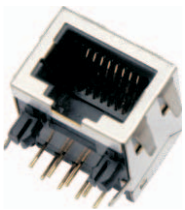


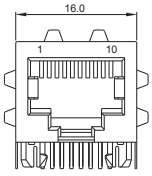


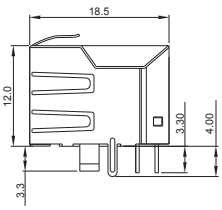
PC Board Layout
Component Side Shown

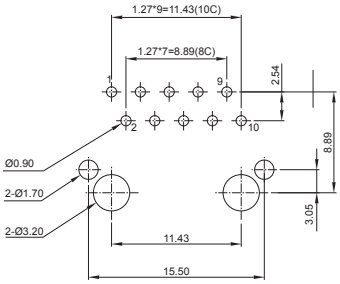
Side Entry L/P 10P PCB Jack STP

JS80LPT6









PC Board Layout
Component Side Shown

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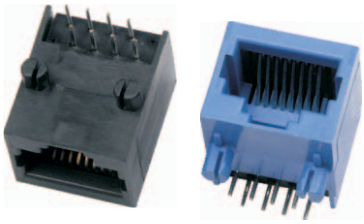
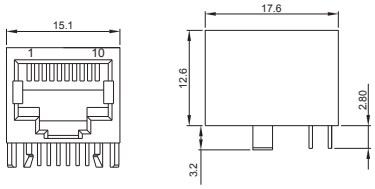
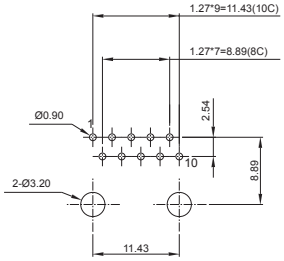
Side Entry 10P PCB Jack UTP

JU80SB



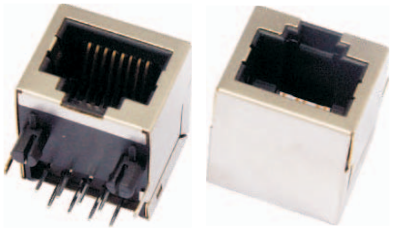


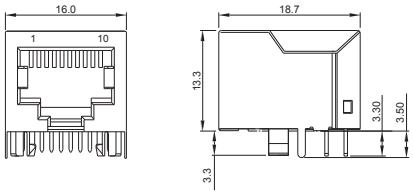


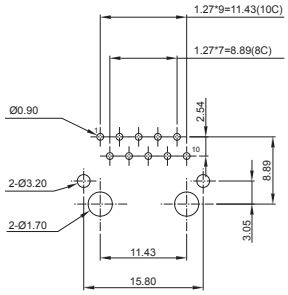
PC Board Layout
Component Side Shown

Side Entry 10P PCB Jack STP

JS80SB



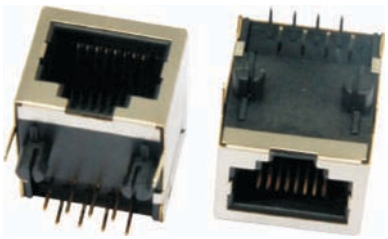


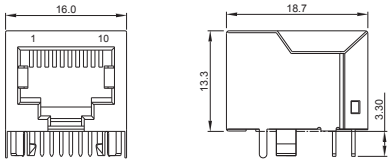


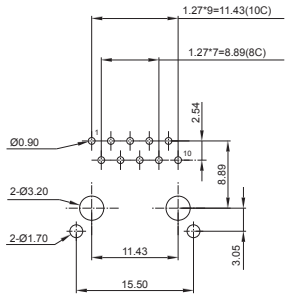
PC Board Layout
Component Side Shown

Side Entry 10P PCB Jack STP

JS80SBPF





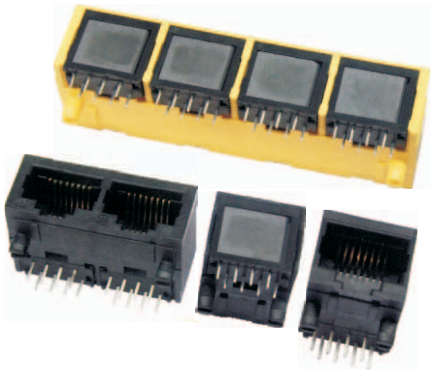


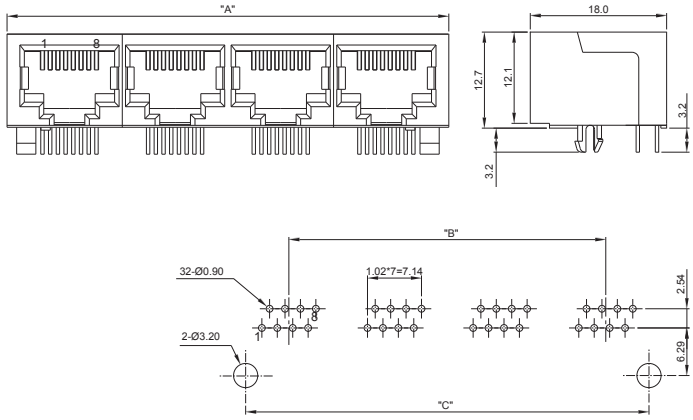
PC Board Layout
Component Side Shown

modcon® - modular jacks

Side Entry 1*1, 1*4 8P PCB Jack UTP

JU880NFE





PC Board Layout
Component Side Shown

Part Number	TYPE / DIM	"A±0.2"	"B±0.2"	"C"
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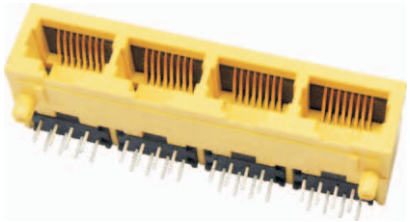
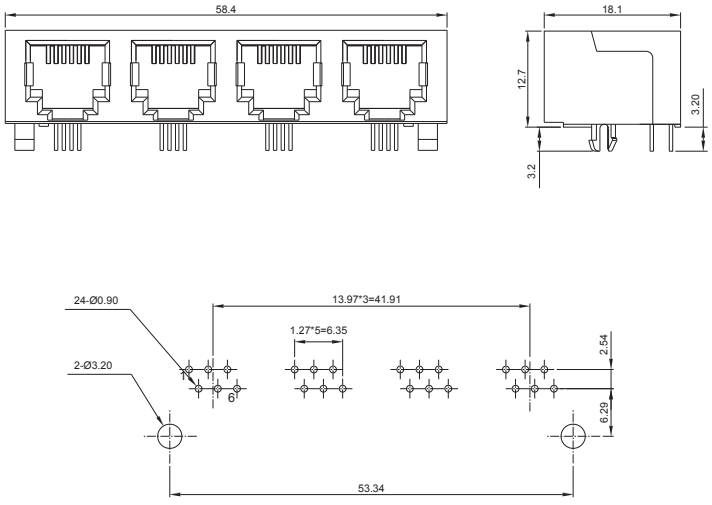
JU8804FE	1X4	58.4	41.91	53.34

Side Entry 1*4 6P PCB Jack UTP

JU6604FE



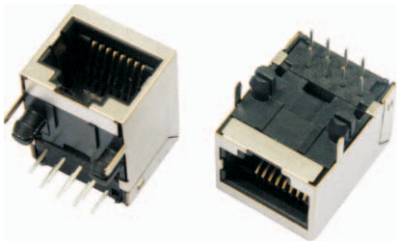


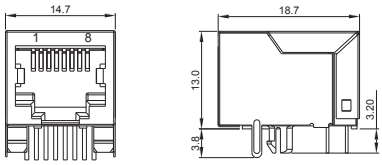
PC Board Layout
Component Side Shown

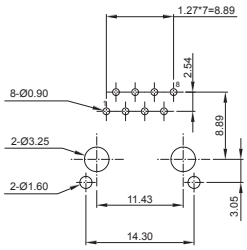
modcon® - modular jacks

Side Entry L/P 8P PCB Jack STP

JS88LPPF



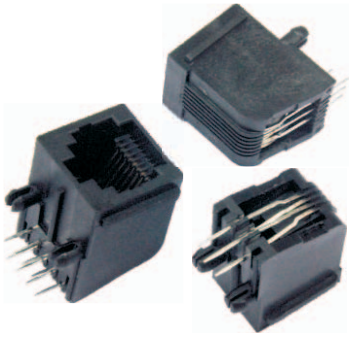


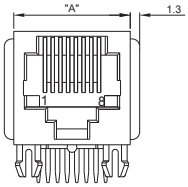


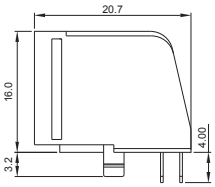
PC Board Layout
Component Side Shown

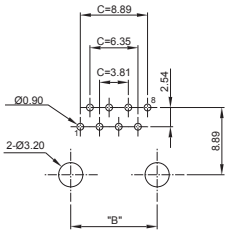
Side Entry 4P, 6P, 8P PCB Jack UTP

JUCPO









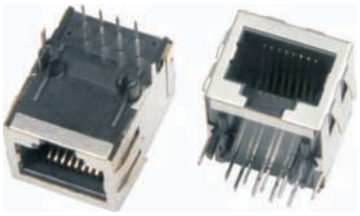
PC Board Layout
Component Side Shown

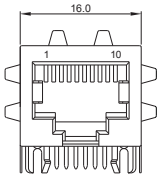
Part Number	TYPE / DIM	"A±0.2"	"B±0.2"	"C"
JU44O	4P	11.2	7.62	3.81
JU66O	6P	13.2	10.16	6.35
JU88O	8P	15.3	11.43	8.89

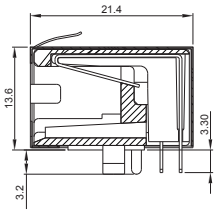
modcon® - modular jacks

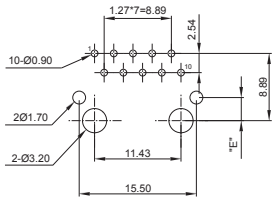
Side Entry 10P PCB Jack STP

JS80T6





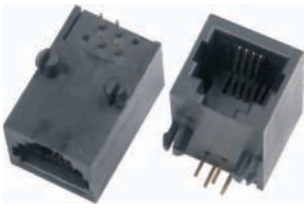


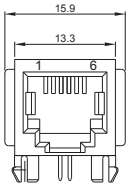


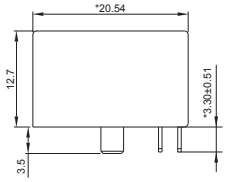
PC Board Layout
Component Side Shown

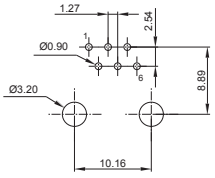
Side Entry 6P PCB Jack UTP

JU66





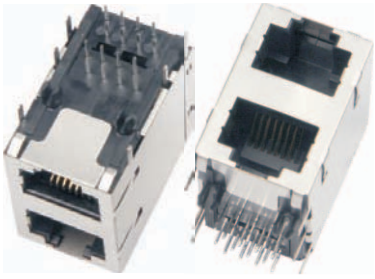


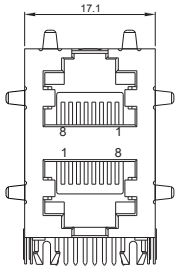


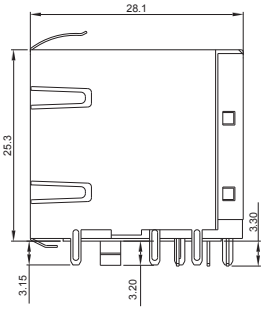
PC Board Layout
Component Side Shown

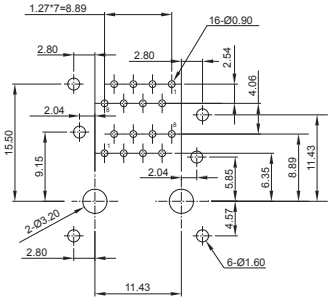
Side Entry 2*1 8P PCB Doublestack STP

JS8811PFT6





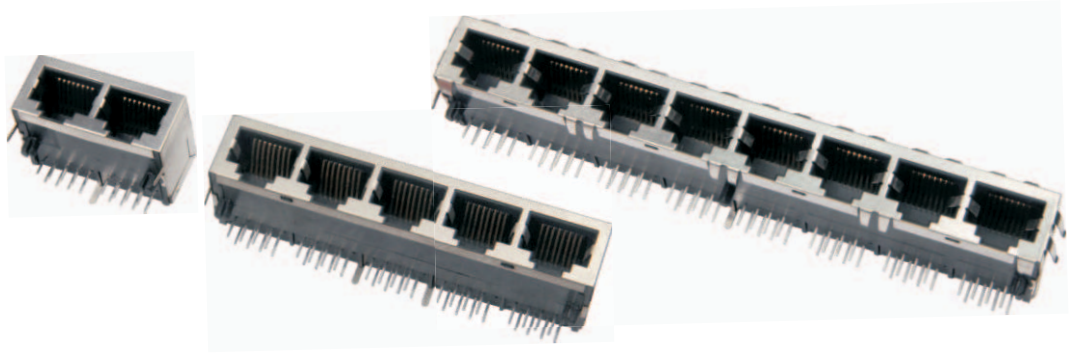


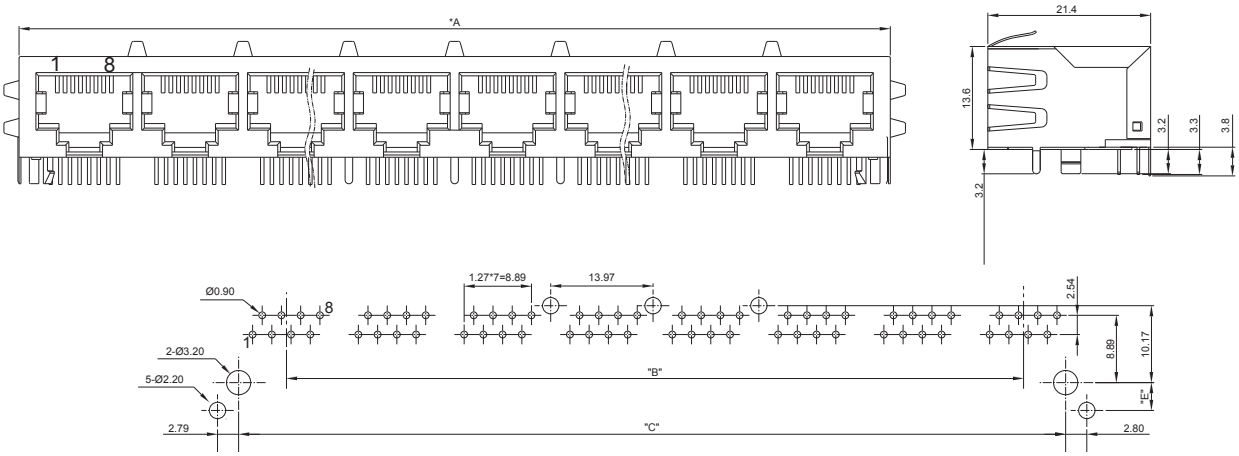


PC Board Layout
Component Side Shown

Side Entry 1*N 8P PCB Jack STP

JS880NPFT6



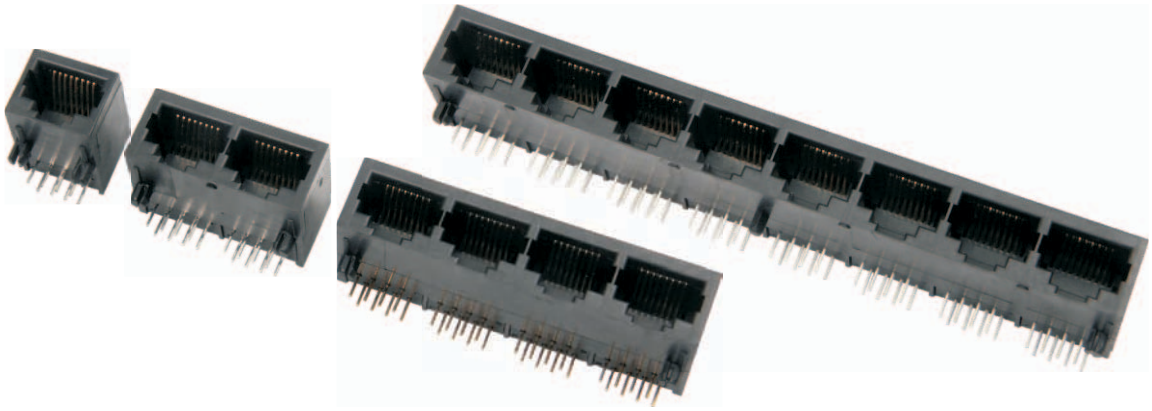


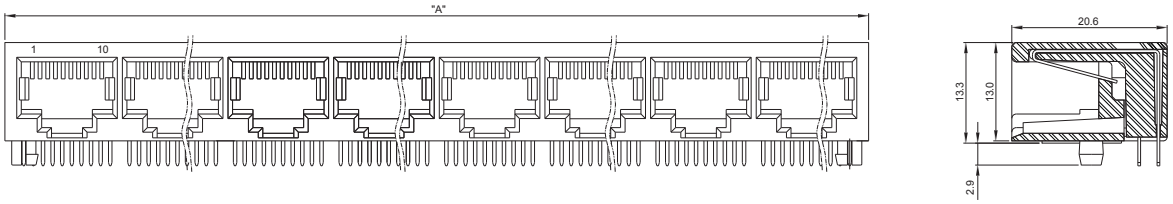
PC Board Layout
Component Side Shown

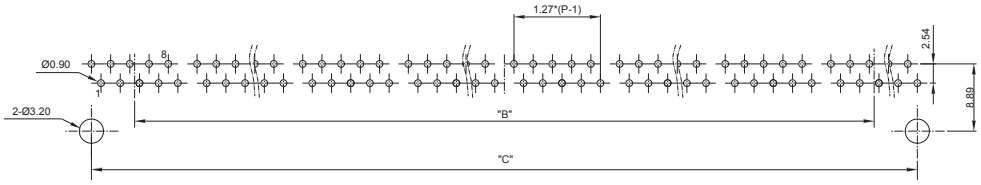
Part Number	TYPE / DIM	"A±0.2"	"B±0.2"	"C"
JS8801PFT6	1X1	16.00		11.43
JS8802PFT6	1X2	31.24	13.97	25.40
JS8803PFT6	1X3	45.21	27.94	39.37
JS8804PFT6	1X4	59.18	41.91	53.34
JS8805PFT6	1X5	73.15	55.88	67.32
JS8806PFT6	1X6	87.12	69.85	81.28
JS8808PFT6	1X8	115.06	97.79	109.22

Side Entry 1*N 8P PCB Jack UTP

JU800N





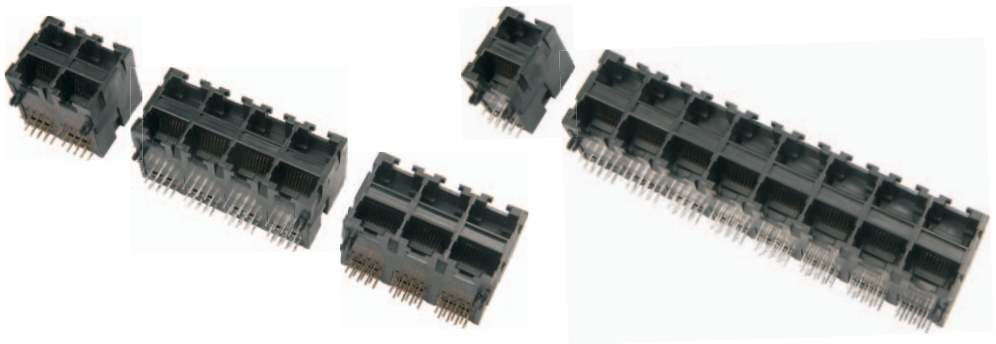


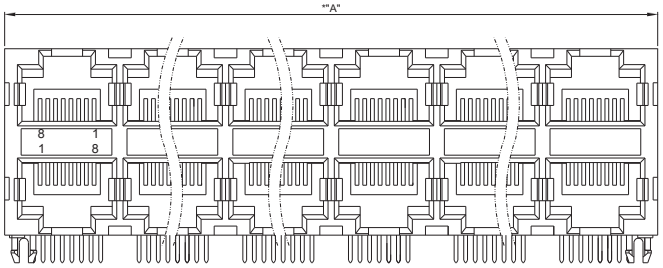
PC Board Layout
Component Side Shown

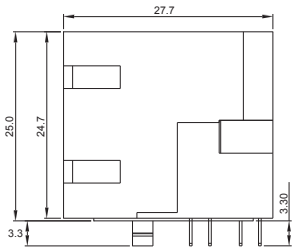
Part Number	TYPE / DIM	"A±0.2"	"B±0.2"	"C"
JU8001	1X1	15.20		11.43
JU8002	1X2	30.48	13.97	25.40
JU8003	1X3	44.45	27.94	39.37
JU8004	1X4	58.42	41.91	53.34
JU8005	1X5	73.15	55.88	67.32
JU8006	1X6	86.36	69.85	81.28
JU8008	1X8	114.30	97.79	109.22

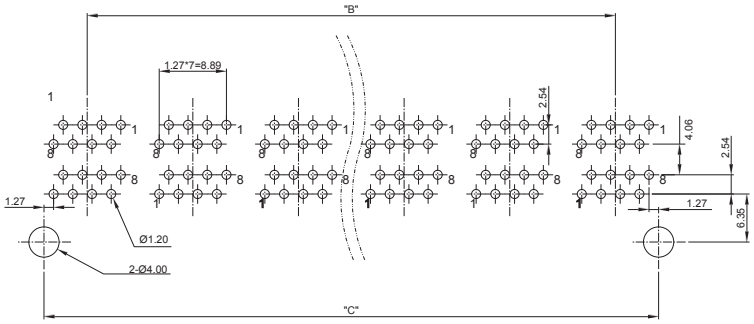
Side Entry 2*N 8P PCB Doublestack UTP

JU881N









PC Board Layout
Component Side Shown

Part Number	TYPE / DIM	"A±0.2"	"B±0.2"	"C"
JU8811	2X1	16.50		11.43
JU8812	2X2	30.48	13.97	25.40
JU8813	2X3	44.45	27.94	39.37
JU8814	2X4	58.42	41.91	53.34
JU8815	2X5	72.39	55.88	67.35
JU8816	2X6	86.36	69.85	81.28
JU8818	2X8	114.30	97.79	109.22

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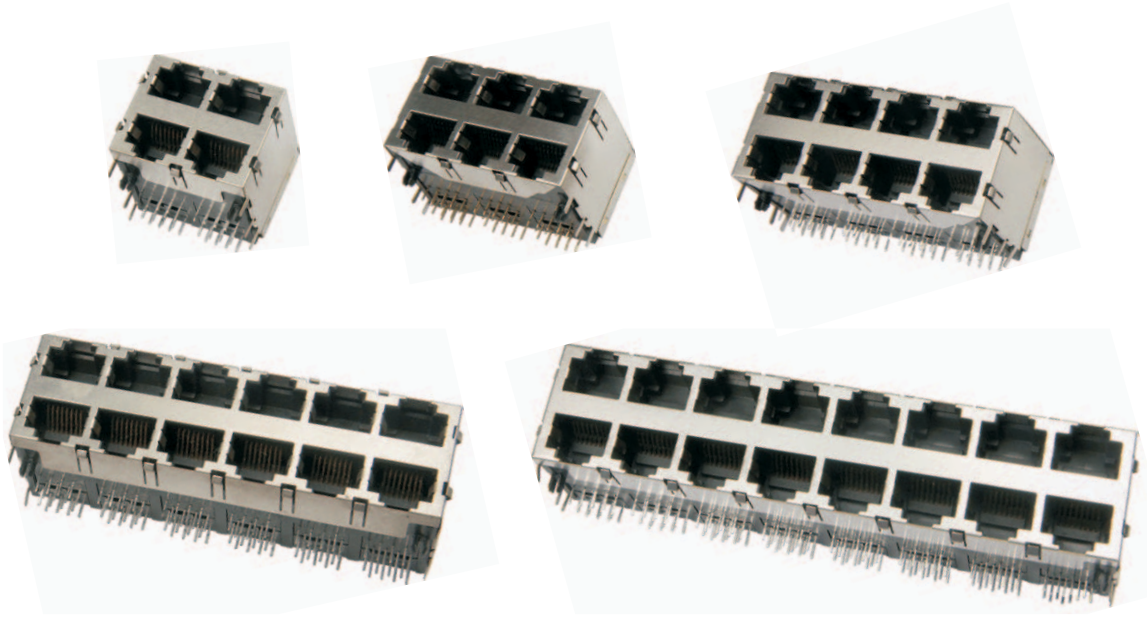
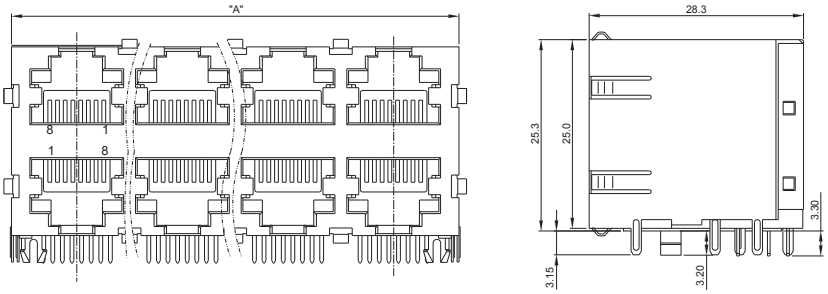
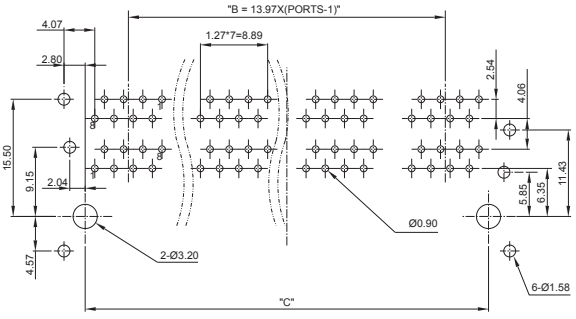
Side Entry 2*N 8P PCB Jack STP (Stamp)

JS881NPFT6







PC Board Layout
Component Side Shown

Part Number	TYPE / DIM	"A±0.2"	"B±0.2"	"C"
JS8812PFT6	2X2	31.24	13.97	25.40
JS8814PFT6	2X4	59.18	41.91	53.34
JS8815PFT6	2X5	73.15	55.88	67.35
JS8816PFT6	2X6	87.12	69.85	81.28
JS8818PFT6	2X8	115.06	97.79	109.22

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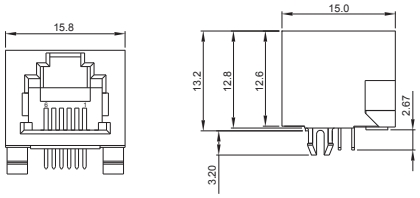
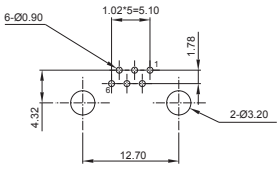
Side Entry 6P PCB Jack UTP

JU66LU

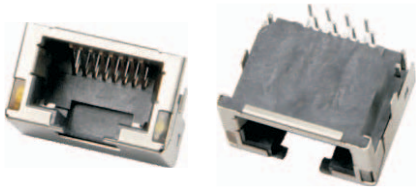


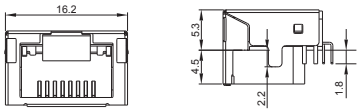


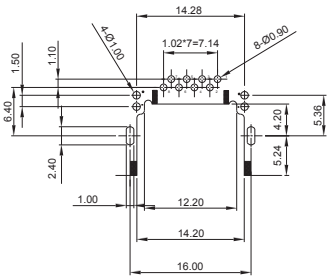
PC Board Layout
Component Side Shown

Side Entry 8P PCB Jack Card Edge STP

JS88LUEDGE



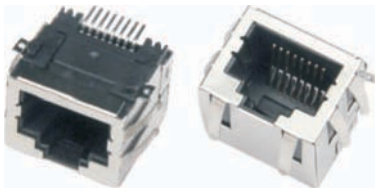


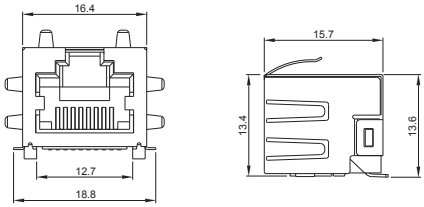


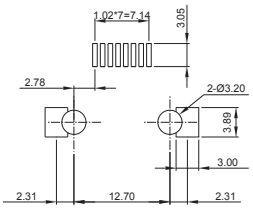
PC Board Layout
Component Side Shown

Side Entry 8P SMT PCB Jack STP

JS88LUSMTT6







PC Board Layout
Component Side Shown

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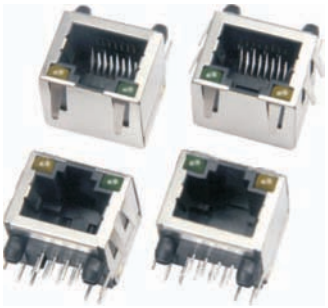
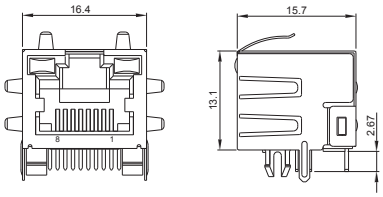
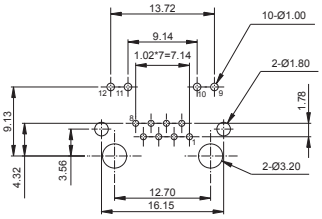
Side Entry L/P 8P LED Jack STP

JS88LLLUT6



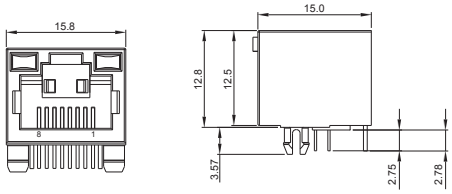


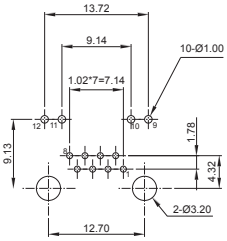


PC Board Layout
Component Side Shown

Side Entry 8P LED Jack UTP

JU88LLLUSB

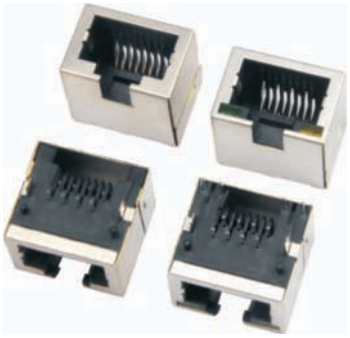


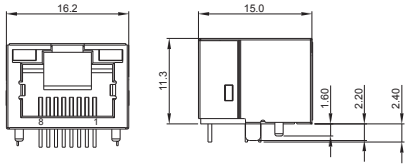


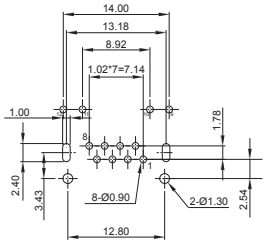
PC Board Layout
Component Side Shown

Side Entry L/P 8P LED Jack STP

JS88LLLULP







PC Board Layout
Component Side Shown

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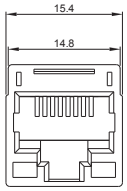
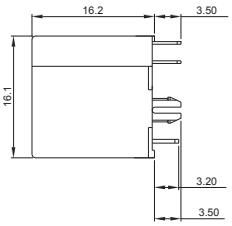
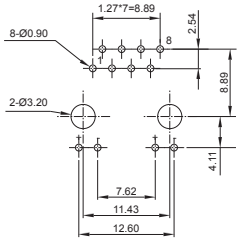
Top Entry 8P LED Jack UTP

JU88LLV



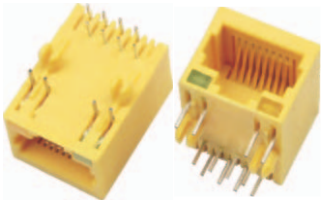


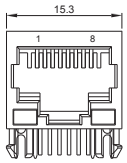


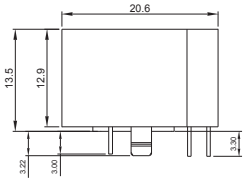
PC Board Layout
Component Side Shown

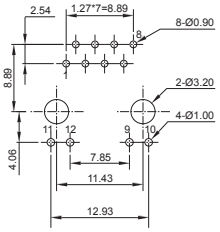
Side Entry 8P LED Jack UTP

JU88LL





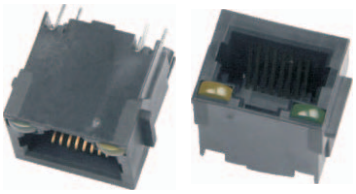


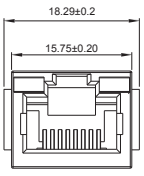


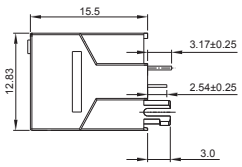
PC Board Layout
Component Side Shown

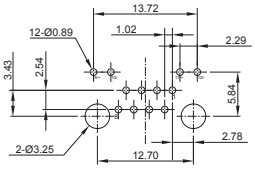
Top Entry L/P 8P LED Jack UTP

JU88LLVLP





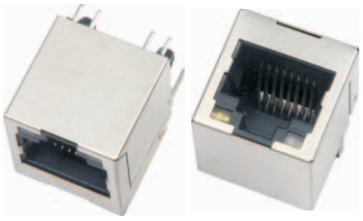


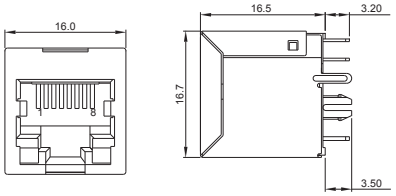


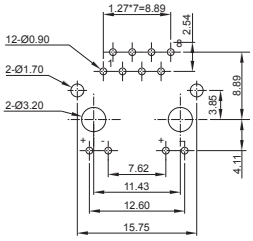
PC Board Layout
Component Side Shown

Top Entry 8P LED Jack STP

JS88LLV



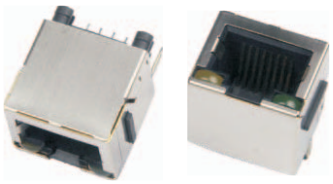


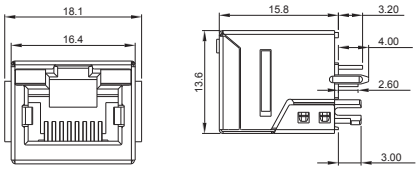


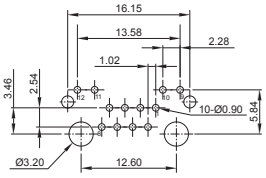
PC Board Layout
Component Side Shown

Top Entry L/P 8P LED Jack STP

JS88LLVLP







PC Board Layout
Component Side Shown

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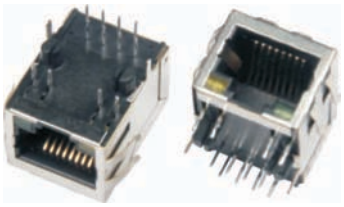
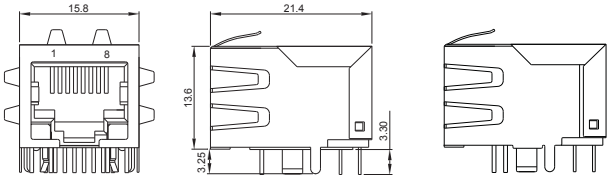
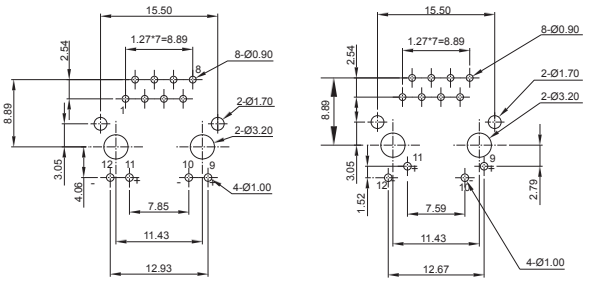
Side Entry 8P LED Jack STP

JS88LLT6

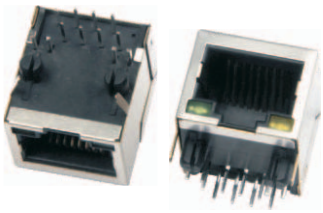


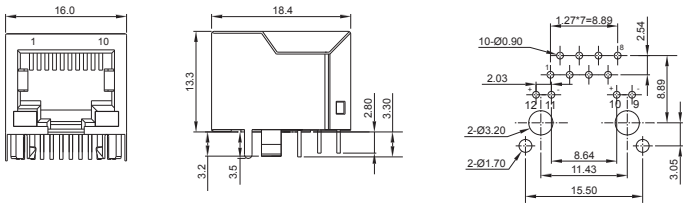




Side Entry 8P LED Jack STP

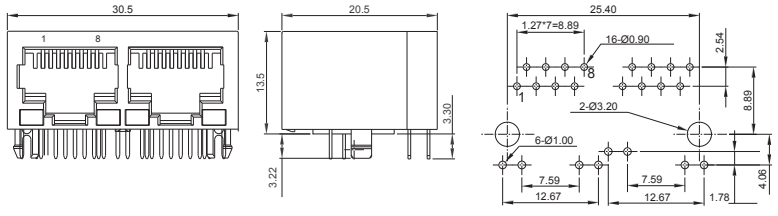
JS88LLPF





Side Entry 1*2 8P LED Jack UTP

JU8802LL



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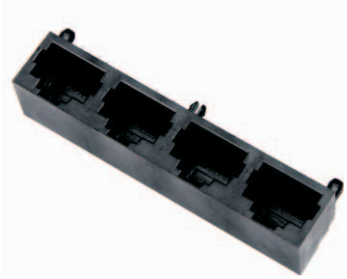
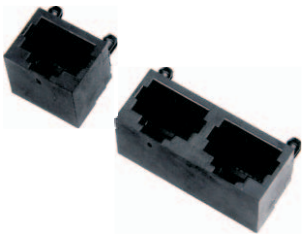
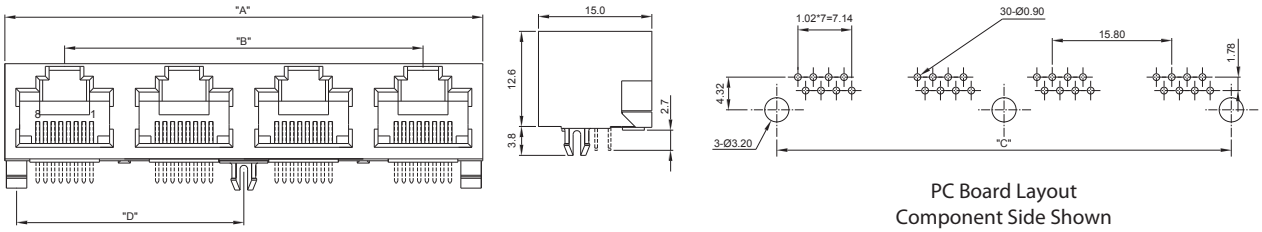
Side Entry 1*1, 1*2, 1*4 8P PCB Jack UTP

JU880NLU





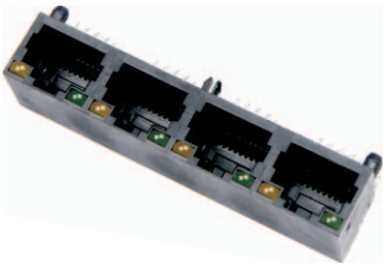


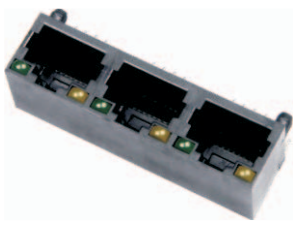
PC Board Layout
Component Side Shown

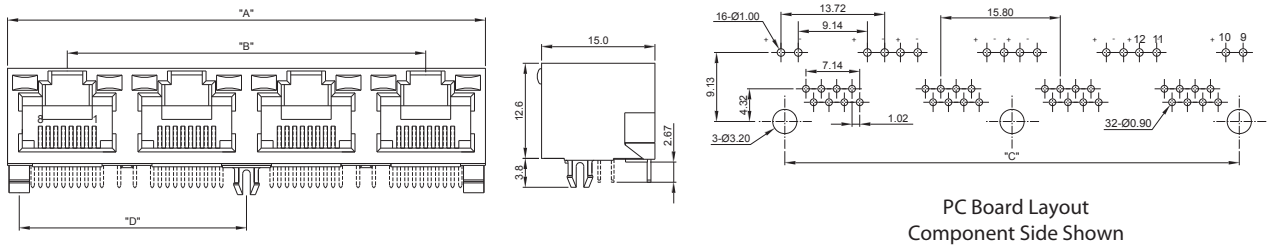
Part Number	TYPE / DIM	"A±0.2"	"B±0.2"	"C"	"D"
JU8801LU	1X1	15.80		12.70	
JU8802LU	1X2	31.60	15.80	28.50	
JU8804LU	1X4	63.20	47.40	60.10	30.10

Side Entry 1*1, 1*2, 1*4 8P LED Jack UTP

JU880NLLLU







PC Board Layout
Component Side Shown

Part Number	TYPE / DIM	"A±0.2"	"B±0.2"	"C"	"D"
JU8801LLLU	1X1	15.80		12.70	
JU8802LLLU	1X2	31.60	15.80	28.50	
JU8804LLLU	1X4	47.40	31.60	44.30	

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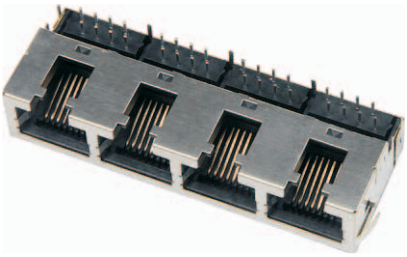
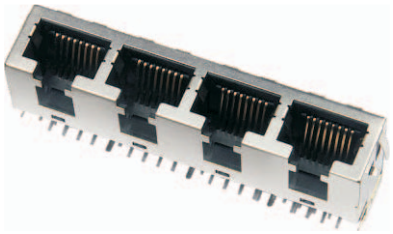
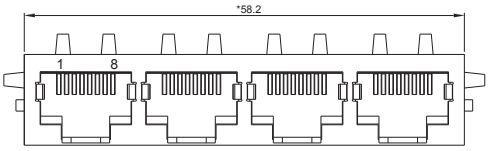
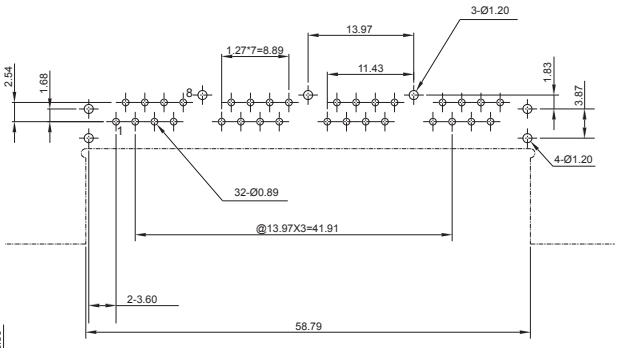
Side Entry 1*4 8P PCB Jack Card Edge STP

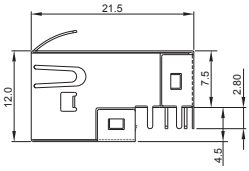
JS8804EDGET6







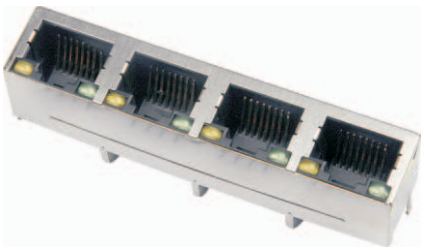


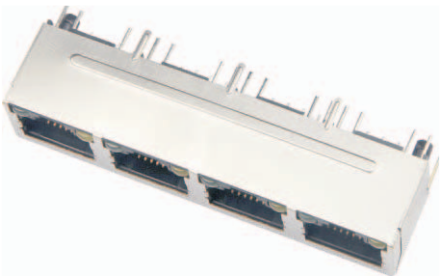


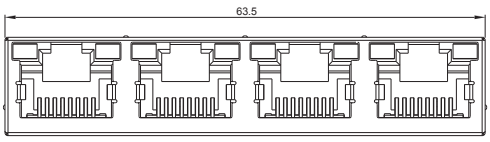
PC Board Layout
Component Side Shown

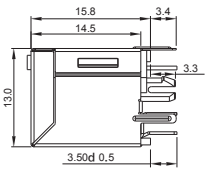
Top Entry 1*4 8P LED Jack STP

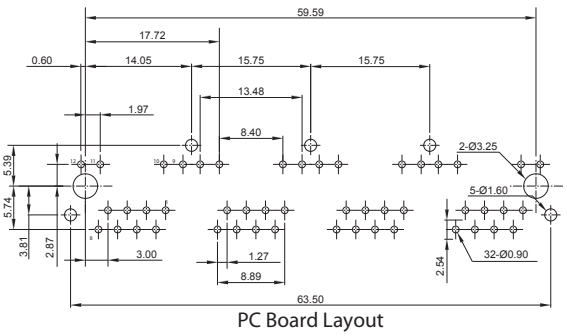
JS8804LLV







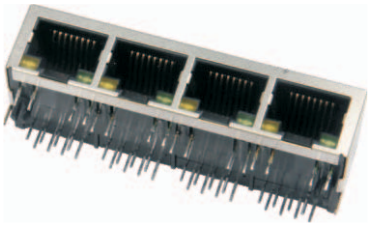


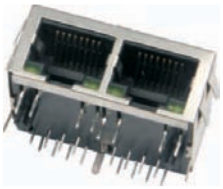


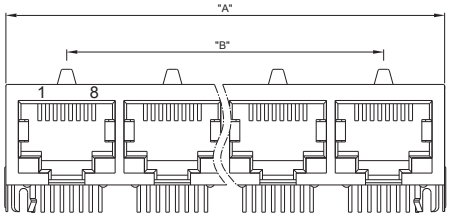
PC Board Layout
Component Side Shown

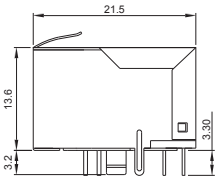
Side Entry 1*2, 1*4 8P LED Jack STP

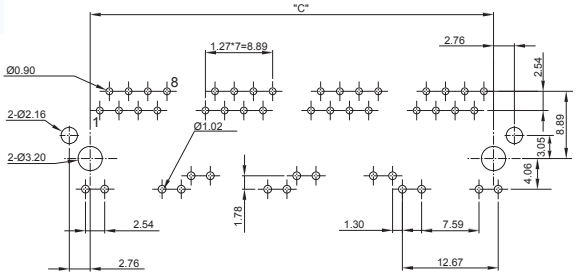
JS880NLLT6









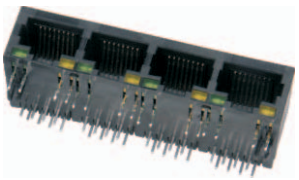


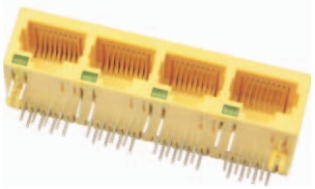
PC Board Layout
Component Side Shown

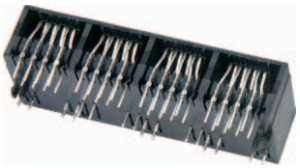
Part Number	TYPE / DIM	"A±0.2"	"B±0.2"	"C±0.2"
JS8802LLT6	1X2	31.24	13.97	25.40
JS8804LLT6	1X4	59.18	41.91	53.34

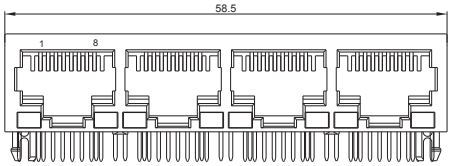
Side Entry 1*4 8P LED Jack UTP

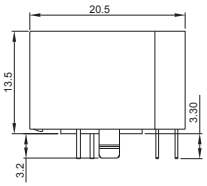
JU8804LL

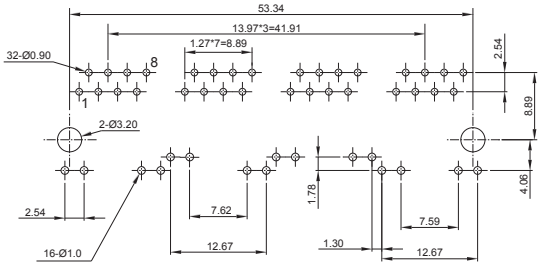








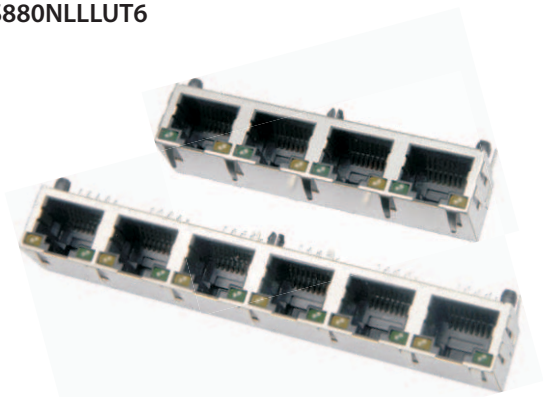


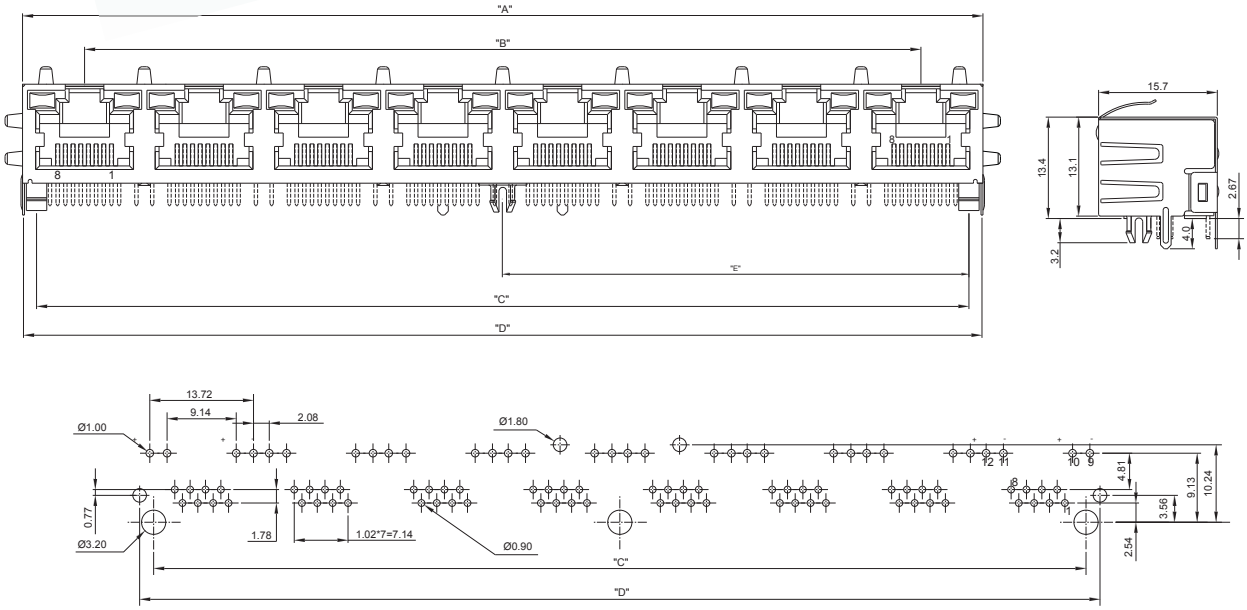


PC Board Layout
Component Side Shown

Side Entry 1*N 8P LED Jack STP

JS880NLLLUT6





PC Board Layout
Component Side Shown

LED Part Number	TYPE / DIM	"A±0.2"	"B±0.2"	"C"	"D"	"E"
JS8801LLLUT6	1X1	16.40		12.70	16.16	
JS8802LLLUT6	1X2	32.20	15.80	28.50	31.95	
JS8803LLLUT6	1X3	48.00	31.60	44.30	47.75	
JS8804LLLUT6	1X4	63.80	47.40	60.10	63.55	30.10
JS8808LLLUT6	1X8	127.00	110.60	123.30	127.00	61.65

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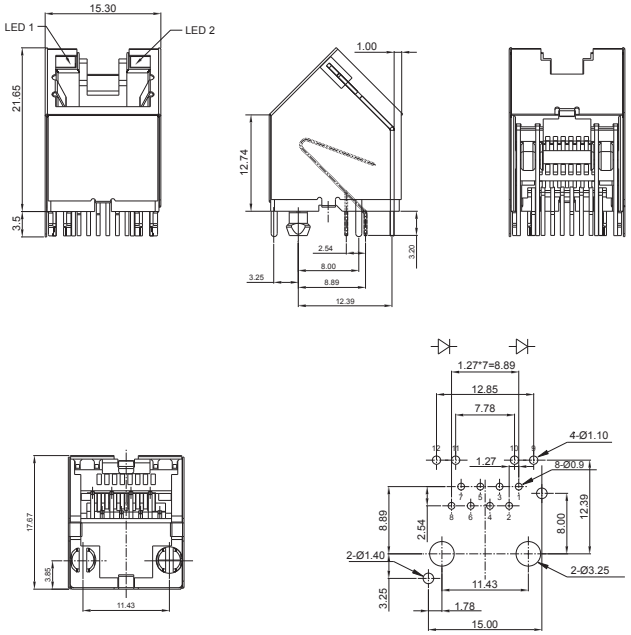
45° 8P PCB Jack STP

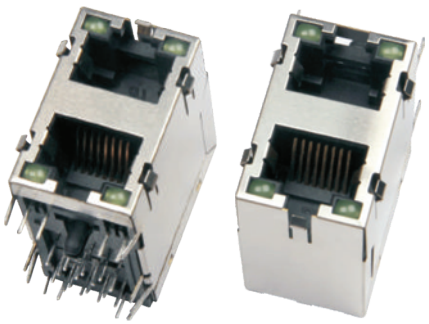
JS88AQ

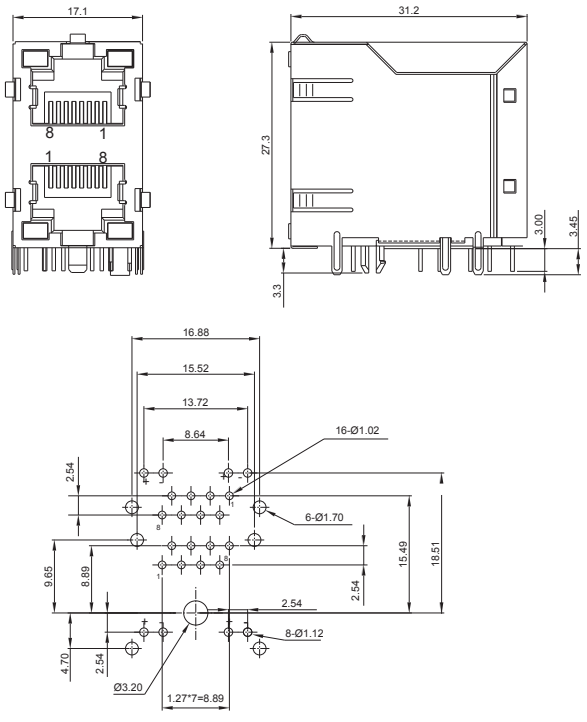


PC Board Layout
Component Side Shown

Side Entry 2*1 8P LED Doublestack STP

JS8811LLT6PF





PC Board Layout
Component Side Shown

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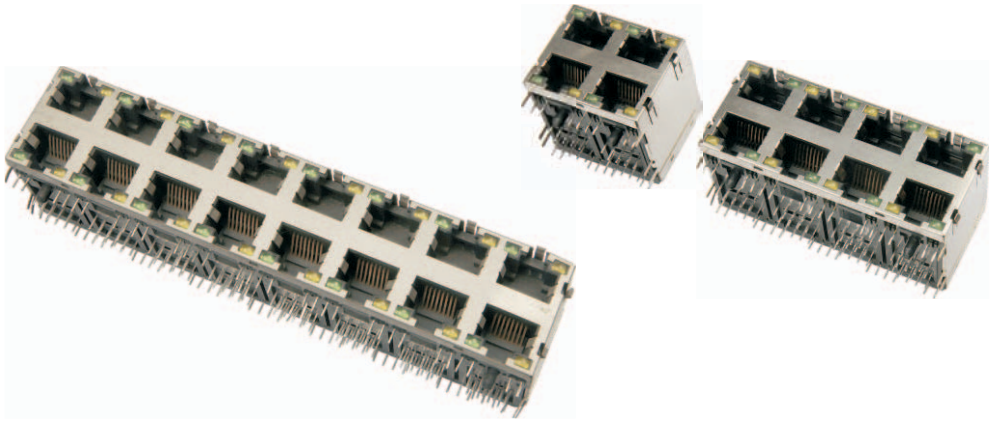
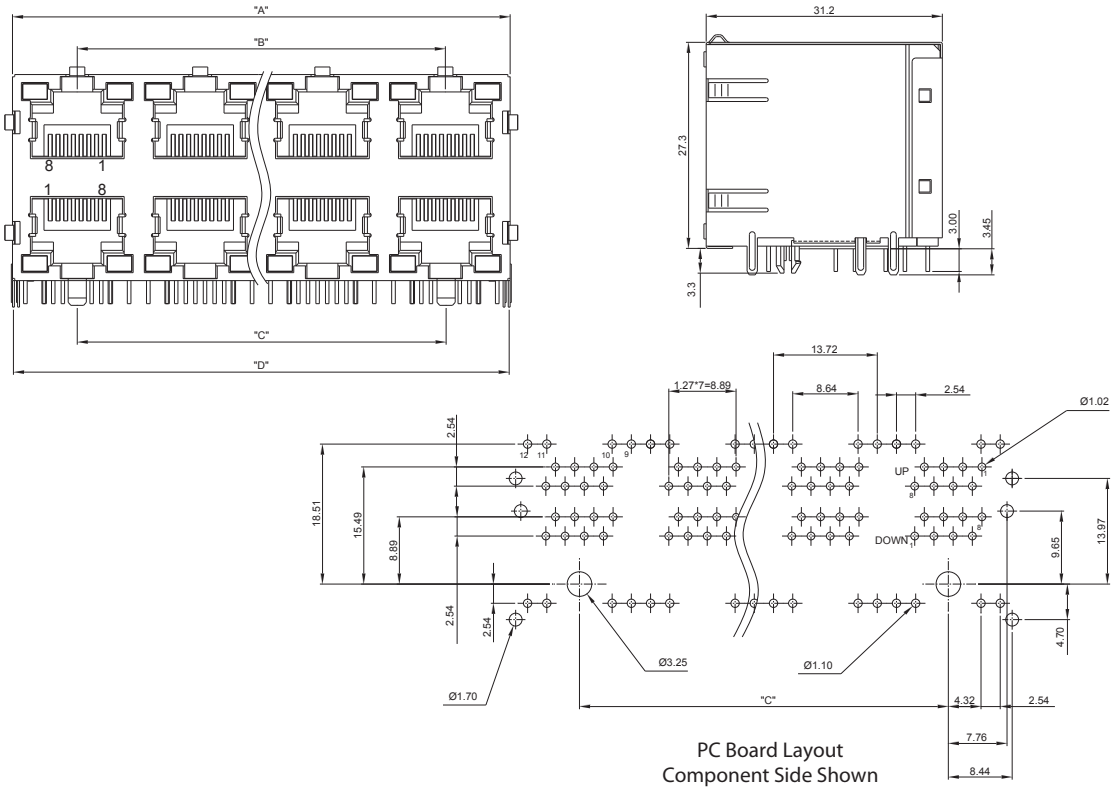
Side Entry 2*N 8P LED Doublestack STP

JS881NLLPFT6



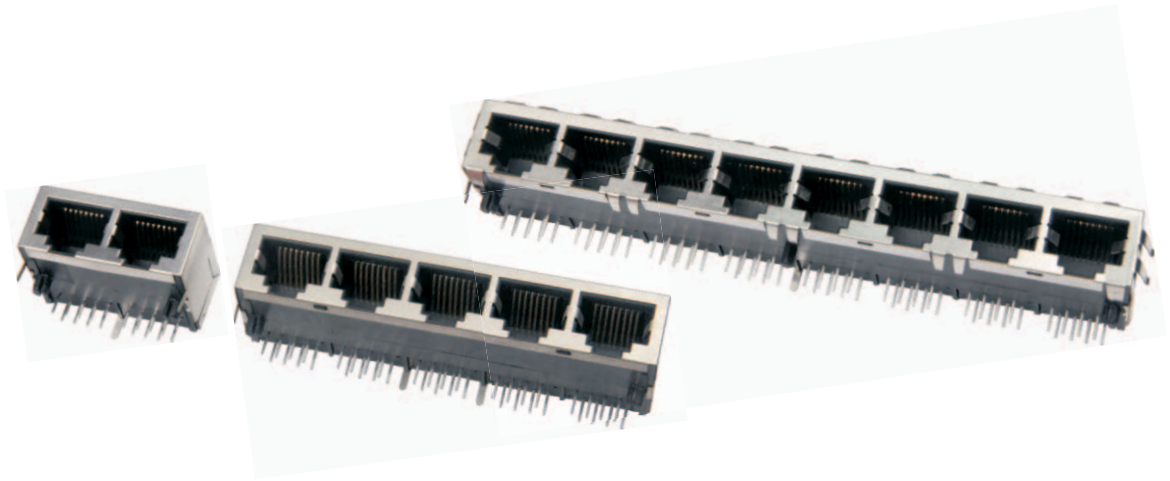


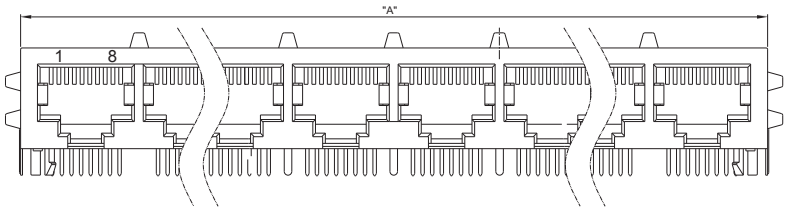
PC Board Layout
Component Side Shown

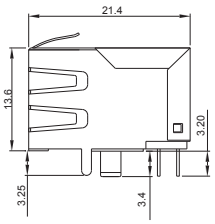
Part Number	TYPE / DIM	"A±0.2"	"B±0.2"	"C"	"D"
JS8812LLPFT6	2X2	33.40	16.26	16.26	33.10
JS8813LLPFT6	2X3	49.45	32.52	32.52	49.15
JS8814LLPFT6	2X4	65.90	48.78	48.78	65.60
JS8816LLPFT6	2X6	98.43	81.30	81.30	98.13
JS8818LLPFT6	2X8	130.95	113.82	113.82	130.65

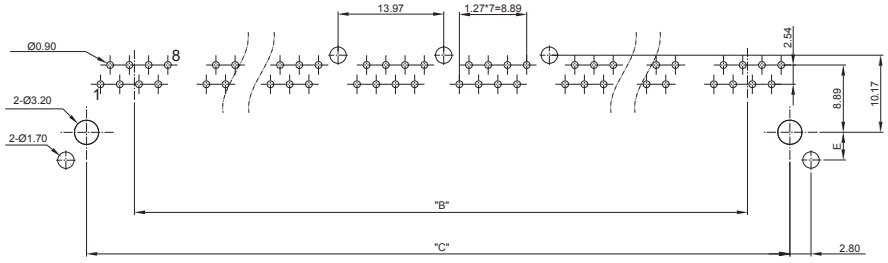
C5e Side Entry 1*N 8P PCB Jack STP

JS880NPFE5T6









PC Board Layout
Component Side Shown

Part Number	TYPE / DIM	"A±0.2"	"B±0.2"	"C"
JS8802PFE5T6	1x2	31.24	13.97	25.40
JS8804PFE5T6	1x4	59.18	41.91	53.34
JS8808PFE5T6	1x8	115.06	97.79	109.22

Frequency MHz	Near-End Cross Talk dB, Min.	Return Loss dB, Min.	Attenuation dB, Max.
1.0	65	30	0.1
4.0	65	30	0.1
8.0	64.9	30	0.1
10.0	63	30	0.1
16.0	58.9	30	0.2
20.0	57	30	0.2
25.0	55	30	0.2
31.25	53.1	30	0.2
62.5	47.1	24.1	0.3
100.0	43	20	0.4

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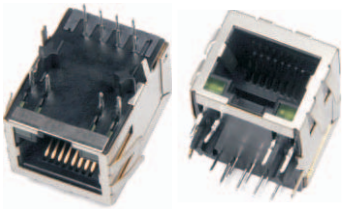
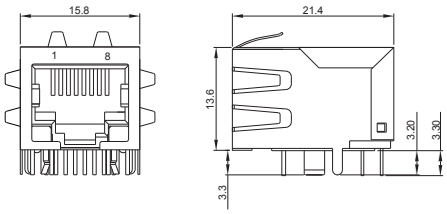
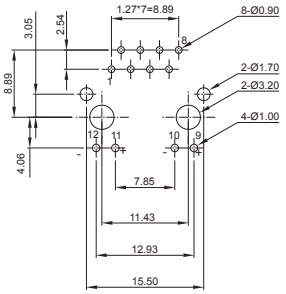
C5e Side Entry 8P LED Jack STP

JS88LLE5T6





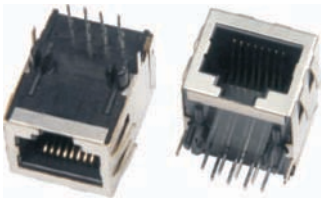


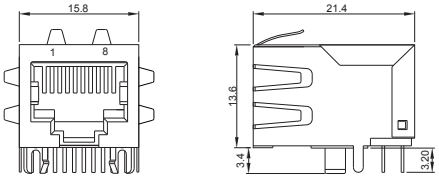
PC Board Layout
Component Side Shown

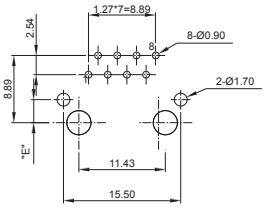
Frequency MHz	Near-End Cross Talk dB, Min.	Return Loss dB, Min.	Attenuation dB, Max.
1.0	65	30	0.1
4.0	65	30	0.1
8.0	64.9	30	0.1
10.0	63	30	0.1
16.0	58.9	30	0.2
20.0	57	30	0.2
25.0	55	30	0.2
31.25	53.1	30	0.2
62.5	47.1	24.1	0.3
100.0	43	20	0.4

C5e Side Entry 8P PCB Jack STP

JS88E5T6







PC Board Layout
Component Side Shown

Frequency MHz	Near-End Cross Talk dB, Min.	Return Loss dB, Min.	Attenuation dB, Max.
1.0	65	30	0.1
4.0	65	30	0.1
8.0	64.9	30	0.1
10.0	63	30	0.1
16.0	58.9	30	0.2
20.0	57	30	0.2
25.0	55	30	0.2
31.25	53.1	30	0.2
62.5	47.1	24.1	0.3
100.0	43	20	0.4

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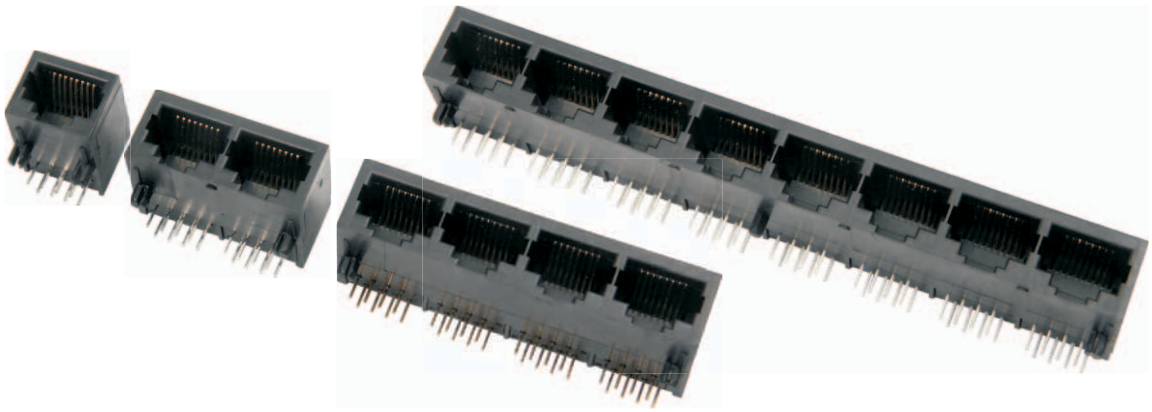
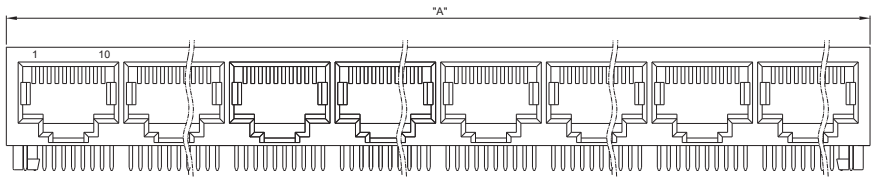
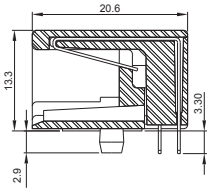
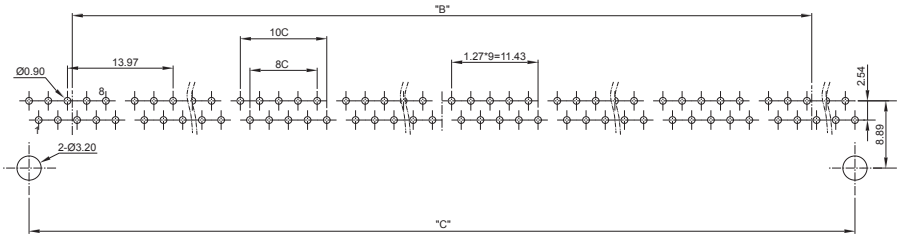
C5e Side Entry 1*N 8P PCB Jack UTP

JU800NE5









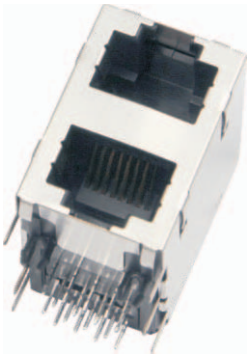
PC Board Layout
Component Side Shown

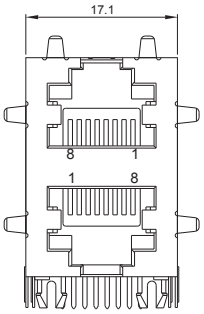
Part Number	TYPE \ DIM	"A±0.2"	"B±0.2"	"C"
JU8001E5	1X1	15.20		11.43
JU8002E5	1X2	30.48	13.97	25.40
JU8003E5	1X3	44.45	27.94	39.37
JU8004E5	1X4	58.42	41.91	53.34
JU8005E5	1X5	73.15	55.88	67.32
JU8006E5	1X6	86.36	69.85	81.28
JU8008E5	1X8	114.30	97.79	109.22

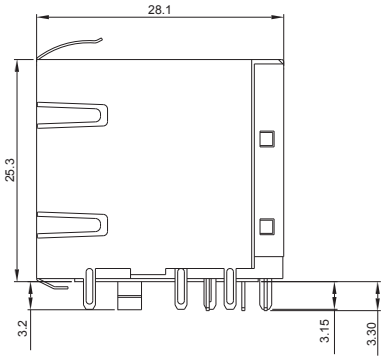
Frequency MHz	Near-End Cross Talk dB, Min.	Return Loss dB, Min.	Attenuation dB, Max.
1.0	65	30	0.1
4.0	65	30	0.1
8.0	64.9	30	0.1
10.0	63	30	0.1
16.0	58.9	30	0.2
20.0	57	30	0.2
25.0	55	30	0.2
31.25	53.1	30	0.2
62.5	47.1	24.1	0.3
100.0	43	20	0.4

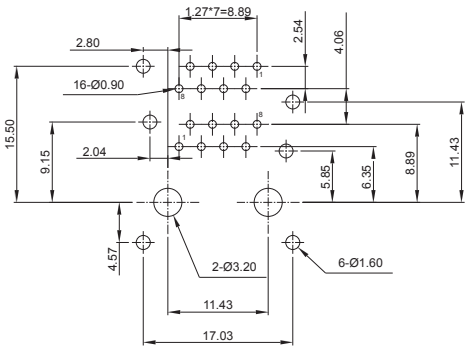
C5e Side Entry 2*1 8P PCB Doublestack STP

JS8811PFE5T6









PC Board Layout
Component Side Shown

Frequency MHz	Near-End Cross Talk dB, Min.	Return Loss dB, Min.	Attenuation dB, Max.
1.0	65	30	0.1
4.0	65	30	0.1
8.0	64.9	30	0.1
10.0	63	30	0.1
16.0	58.9	30	0.2
20.0	57	30	0.2
25.0	55	30	0.2
31.25	53.1	30	0.2
62.5	47.1	24.1	0.3
100.0	43	20	0.4

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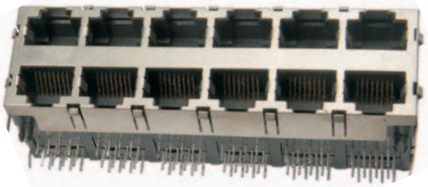
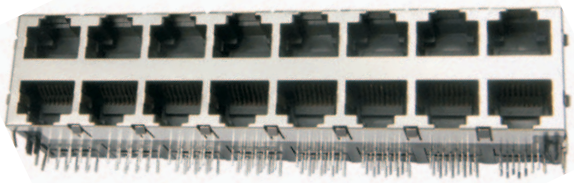
C5e Side Entry 2*N 8P PCB Doublestack STP

JS881NPFE5T6





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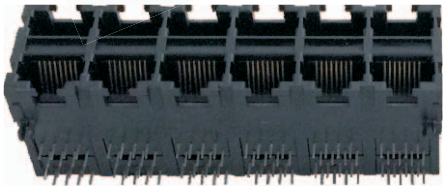
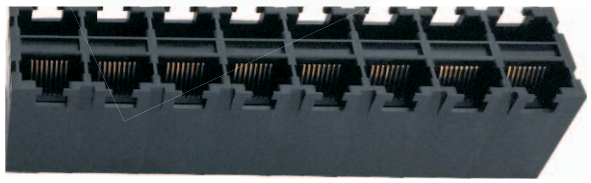
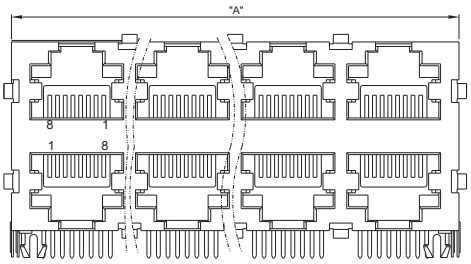
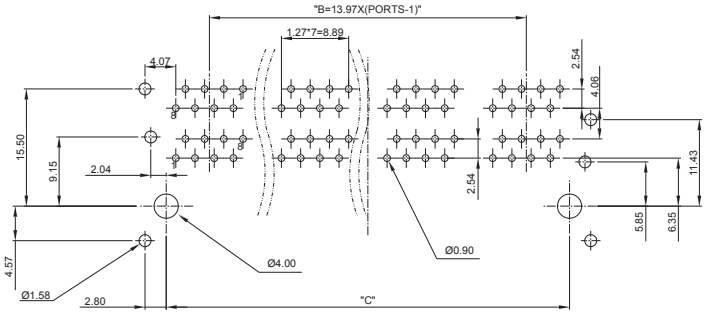
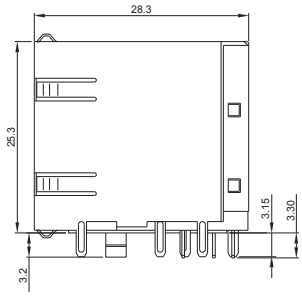








PC Board Layout
Component Side Shown

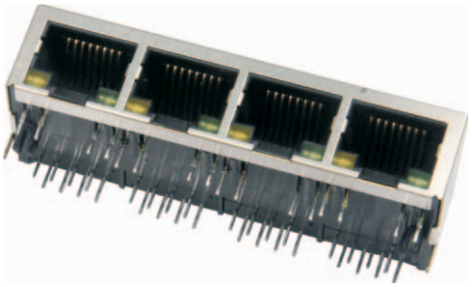


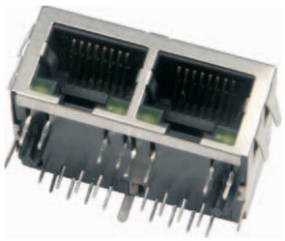
Part Number	TYPE / DIM	"A±0.2"	"B±0.2"	"C"
JS8812...	2X2	31.24	13.97	25.40
JS8814....	2X4	59.18	41.91	53.34
JS8815...	2X5	73.15	55.88	67.35
JS8816...	2X6	87.12	69.85	81.28
JS8818...	2X8	115.06	97.79	109.22

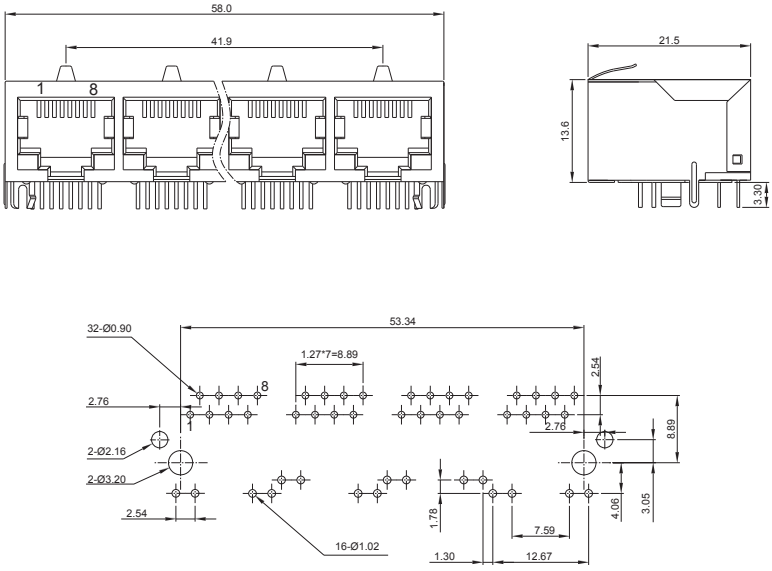
Frequency MHz	Near-End Cross Talk dB, Min.	Return Loss dB, Min.	Attenuation dB, Max.
1.0	65	30	0.1
4.0	65	30	0.1
8.0	64.9	30	0.1
10.0	63	30	0.1
16.0	58.9	30	0.2
20.0	57	30	0.2
25.0	55	30	0.2
31.25	53.1	30	0.2
62.5	47.1	24.1	0.3
100.0	43	20	0.4

C5e Side Entry 1*N 8P LED Jack STP

JS880NLLE5T6







PC Board Layout
Component Side Shown

Frequency MHz	Near-End Cross Talk dB, Min.	Return Loss dB, Min.	Attenuation dB, Max.
1.0	65	30	0.1
4.0	65	30	0.1
8.0	64.9	30	0.1
10.0	63	30	0.1
16.0	58.9	30	0.2
20.0	57	30	0.2
25.0	55	30	0.2
31.25	53.1	30	0.2
62.5	47.1	24.1	0.3
100.0	43	20	0.4

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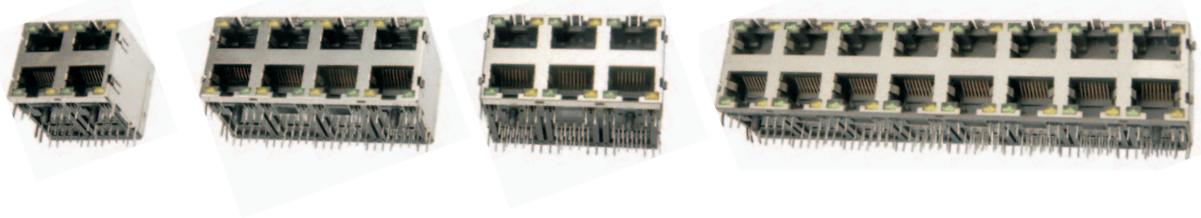
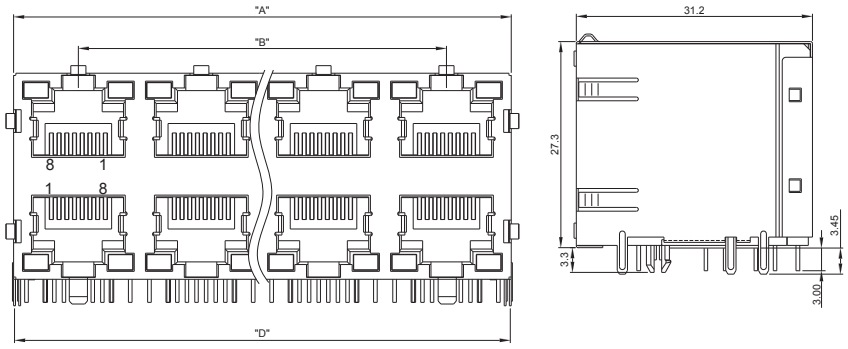
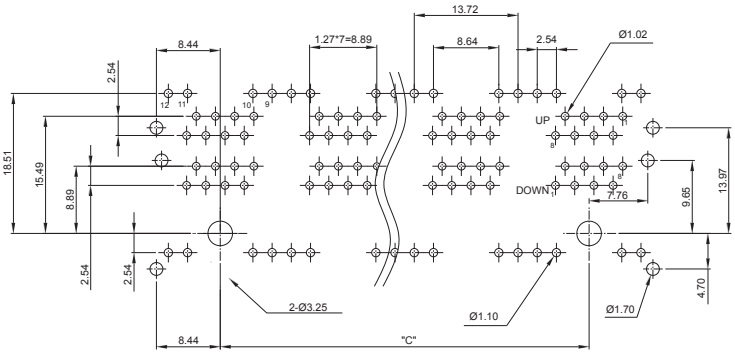
C5e Side Entry 2*N 8P LED Doublestack STP

JS881NLLPFE5T6







PC Board Layout
Component Side Shown

Frequency MHz	Near-End Cross Talk dB, Min.	Return Loss dB, Min.	Attenuation dB, Max.
1.0	65	30	0.1
4.0	65	30	0.1
8.0	64.9	30	0.1
10.0	63	30	0.1
16.0	58.9	30	0.2
20.0	57	30	0.2
25.0	55	30	0.2
31.25	53.1	30	0.2
62.5	47.1	24.1	0.3
100.0	43	20	0.4

Part Number	TYPE / DIM	"A±0.2"	"B±0.2"	"C"	"D"
JS8811LLPFE5T6	2X1	17.10			16.88
JS8812LLPFE5T6	2X2	33.40	16.26	16.26	33.10
JS8813LLPFE5T6	2X3	49.45	32.52	32.52	49.15
JS8814LLPFE5T6	2X4	65.90	48.78	48.78	65.60
JS8816LLPFE5T6	2X6	98.43	81.30	81.30	98.13
JS8818LLPFE5T6	2X8	130.95	113.82	113.82	130.65

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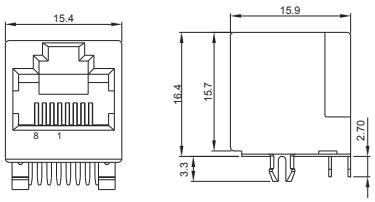
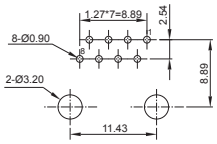
C6 Side Entry PCB Jack UTP

JU88C6LU



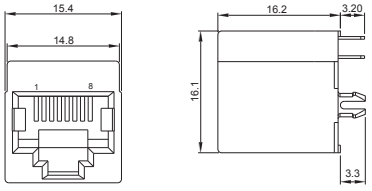


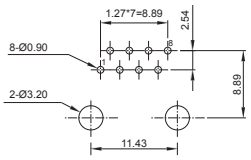
PC Board Layout
Component Side Shown

Frequency MHz	Near-End Cross Talk dB, Min.	Return Loss dB, Min.	Attenuation dB, Max.
1.0	75.0	35.5	0.1
4.0	75.0	35.5	0.1
10.0	74.0	35.5	0.1
16.0	69.9	35.5	0.1
25.0	66.0	35.5	0.1
31.25	64.1	34.1	0.1
62.5	58.1	28.1	0.1
100.0	54.0	24.0	0.2
200.0	48.0	18.0	0.3
250.0	46.0	16.0	0.3

C6 Top Entry PCB Jack UTP

JU88VC6



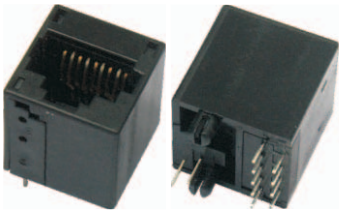


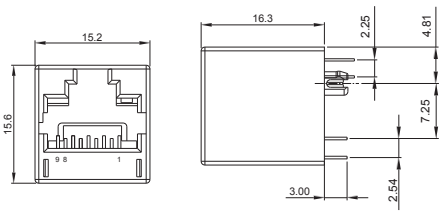
PC Board Layout
Component Side Shown

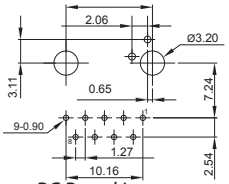
Frequency MHz	Near-End Cross Talk dB, Min.	Return Loss dB, Min.	Attenuation dB, Max.
1.0	75.0	35.5	0.1
4.0	75.0	35.5	0.1
10.0	74.0	35.5	0.1
16.0	69.9	35.5	0.1
25.0	66.0	35.5	0.1
31.25	64.1	34.1	0.1
62.5	58.1	28.1	0.1
100.0	54.0	24.0	0.2
200.0	48.0	18.0	0.3
250.0	46.0	16.0	0.3

C6 Top Entry 8P+2P Switch PCB Jack UTP

JU88VC6SW





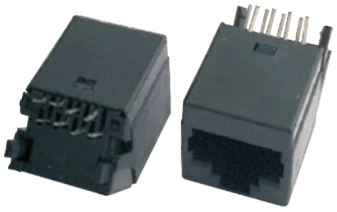


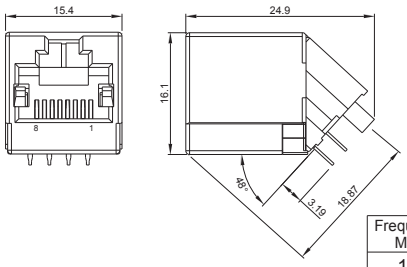
PC Board Layout
Component Side Shown

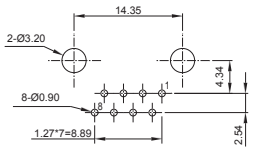
Frequency MHz	Near-End Cross Talk dB, Min.	Return Loss dB, Min.	Attenuation dB, Max.
1.0	75.0	35.5	0.1
4.0	75.0	35.5	0.1
10.0	74.0	35.5	0.1
16.0	69.9	35.5	0.1
25.0	66.0	35.5	0.1
31.25	64.1	34.1	0.1
62.5	58.1	28.1	0.1
100.0	54.0	24.0	0.2
200.0	48.0	18.0	0.3
250.0	46.0	16.0	0.3

C6 47.5° 8P PCB Jack UTP

JU88C6A





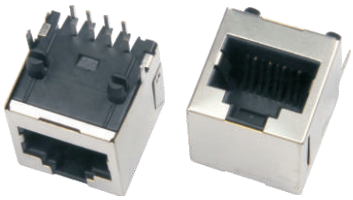


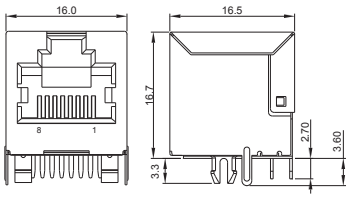
PC Board Layout
Component Side Shown

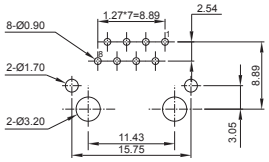
Frequency MHz	Near-End Cross Talk dB, Min.	Return Loss dB, Min.	Attenuation dB, Max.
1.0	75.0	35.5	0.1
4.0	75.0	35.5	0.1
10.0	74.0	35.5	0.1
16.0	69.9	35.5	0.1
25.0	66.0	35.5	0.1
31.25	64.1	34.1	0.1
62.5	58.1	28.1	0.1
100.0	54.0	24.0	0.2
200.0	48.0	18.0	0.3
250.0	46.0	16.0	0.3

C6 Side Entry 8P PCB Jack STP

JS88C6LU





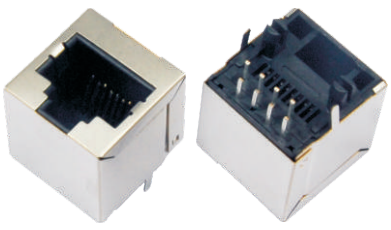


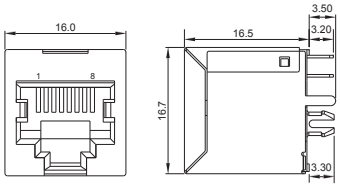
PC Board Layout
Component Side Shown

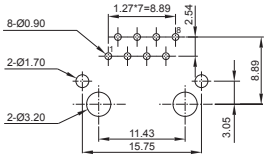
Frequency MHz	Near-End Cross Talk dB, Min.	Return Loss dB, Min.	Attenuation dB, Max.
1.0	75.0	35.5	0.1
4.0	75.0	35.5	0.1
10.0	74.0	35.5	0.1
16.0	69.9	35.5	0.1
25.0	66.0	35.5	0.1
31.25	64.1	34.1	0.1
62.5	58.1	28.1	0.1
100.0	54.0	24.0	0.2
200.0	48.0	18.0	0.3
250.0	46.0	16.0	0.3

C6 Top Entry 8P PCB Jack STP

JS88VC6







PC Board Layout
Component Side Shown

Frequency MHz	Near-End Cross Talk dB, Min.	Return Loss dB, Min.	Attenuation dB, Max.
1.0	75.0	35.5	0.1
4.0	75.0	35.5	0.1
10.0	74.0	35.5	0.1
16.0	69.9	35.5	0.1
25.0	66.0	35.5	0.1
31.25	64.1	34.1	0.1
62.5	58.1	28.1	0.1
100.0	54.0	24.0	0.2
200.0	48.0	18.0	0.3
250.0	46.0	16.0	0.3

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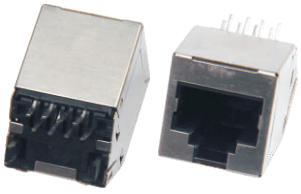
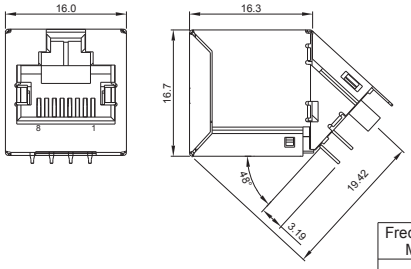
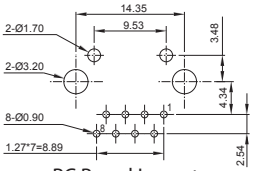
C6 47.5° PCB Jack STP

JS88C6A





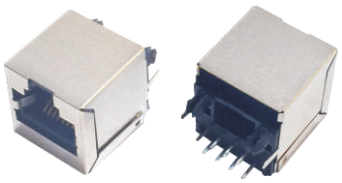


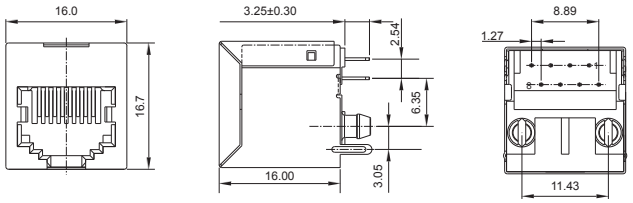
PC Board Layout
Component Side Shown

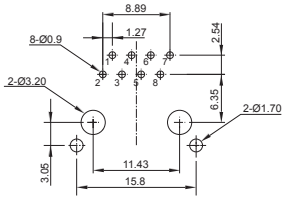
Frequency MHz	Near-End Cross Talk dB, Min.	Return Loss dB, Min.	Attenuation dB, Max.
1.0	75.0	35.5	0.1
4.0	75.0	35.5	0.1
10.0	74.0	35.5	0.1
16.0	69.9	35.5	0.1
25.0	66.0	35.5	0.1
31.25	64.1	34.1	0.1
62.5	58.1	28.1	0.1
100.0	54.0	24.0	0.2
200.0	48.0	18.0	0.3
250.0	46.0	16.0	0.3

C6 Top Entry 8P PCB Jack STP

JS88VC6PF





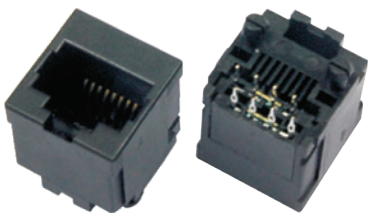


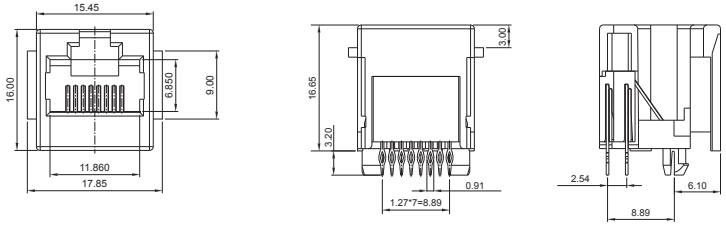
PC Board Layout
Component Side Shown

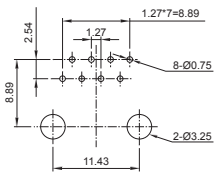
Frequency MHz	Near-End Cross Talk dB, Min.	Return Loss dB, Min.	Attenuation dB, Max.
1.0	75.0	35.5	0.1
4.0	75.0	35.5	0.1
10.0	74.0	35.5	0.1
16.0	69.9	35.5	0.1
25.0	66.0	35.5	0.1
31.25	64.1	34.1	0.1
62.5	58.1	28.1	0.1
100.0	54.0	24.0	0.2
200.0	48.0	18.0	0.3
250.0	46.0	16.0	0.3

C5e Top Entry 8P PCB Jack Press Fit STP

JU88VE5Z







PC Board Layout
Component Side Shown

Frequency MHz	Near-End Cross Talk dB, Min.	Return Loss dB, Min.	Attenuation dB, Max.
1.0	65	30	0.1
4.0	65	30	0.1
8.0	64.9	30	0.1
10.0	63	30	0.1
16.0	58.9	30	0.2
20.0	57	30	0.2
25.0	55	30	0.2
31.25	53.1	30	0.2
62.5	47.1	24.1	0.3
100.0	43	20	0.4