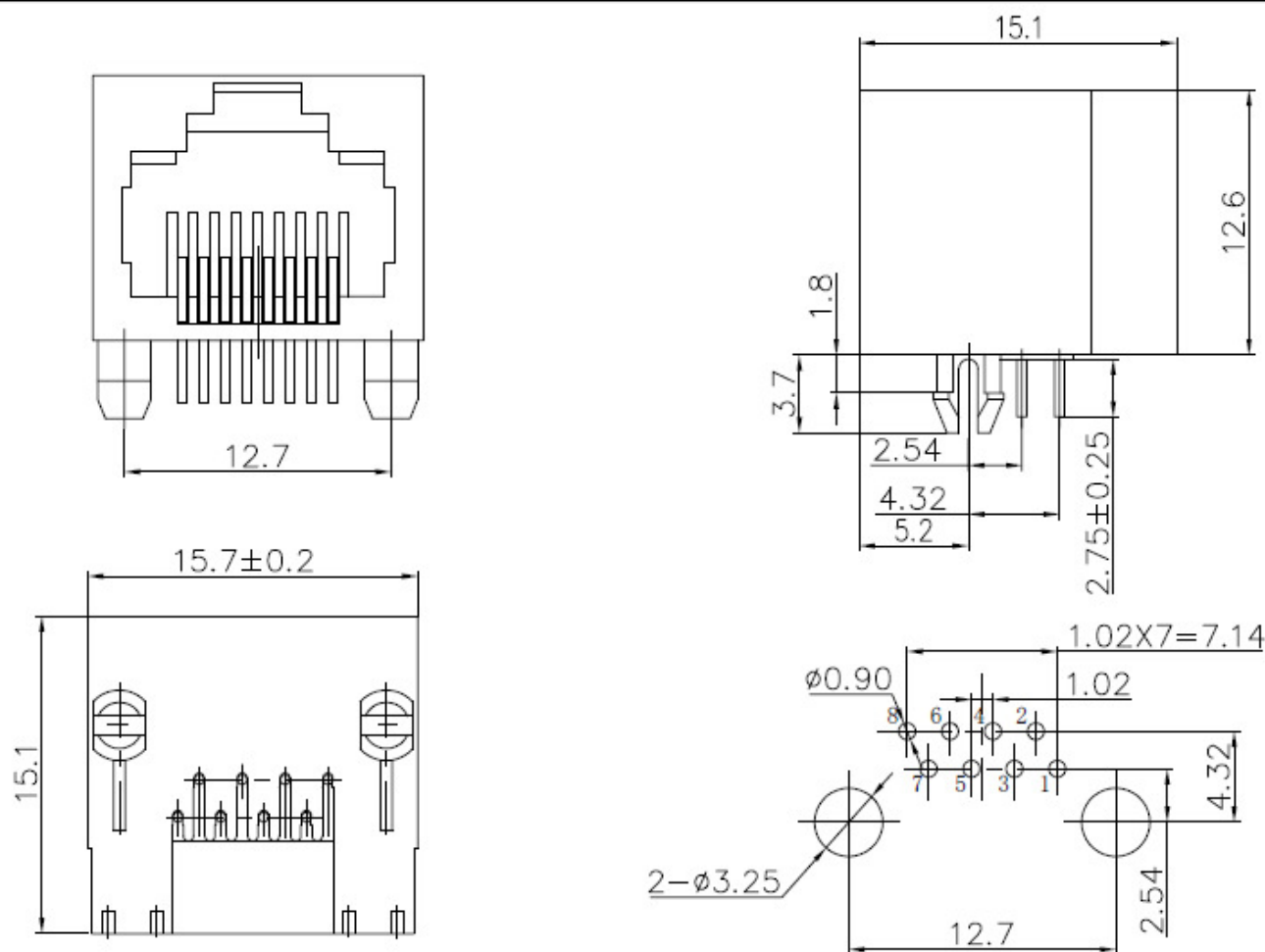




ENVIRONMENTAL:

- | | |
|--------------|---|
| 1. STORAGE | : -10°C ~ +40°C RELATIVE HUMIDITY<70 %. |
| 2. OPERATION | : -40°C ~ +70°C. |

MECHANICAL:

- | | |
|------------------------------|--|
| 1. HOUSING & INSERT MATERIAL | : PBT UL94V-0. |
| 2. CONTACT MATERIAL | : DIAMETER 0.45MM PHOSPHOR BRONZE
GOLD PLATING OVER NICKEL. |
| 3. MATING/UNMATING FORCE | : 2.2KG. F MAX. |
| 4. RETENTION STRENGTH | : 7.7KG. F MIN BETWEEN JACK AND PLUG. |
| 5. OPERATING LIFE | : 600 CYCLES MIN. |

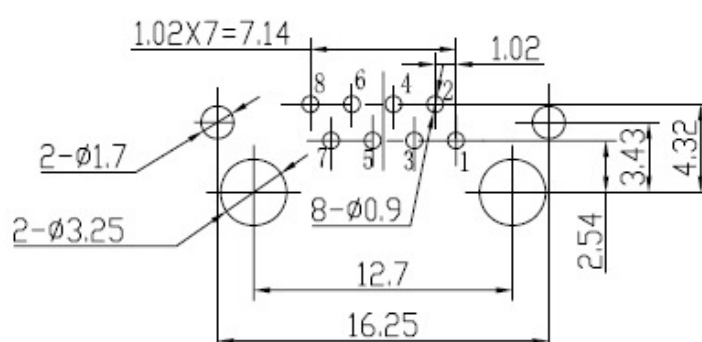
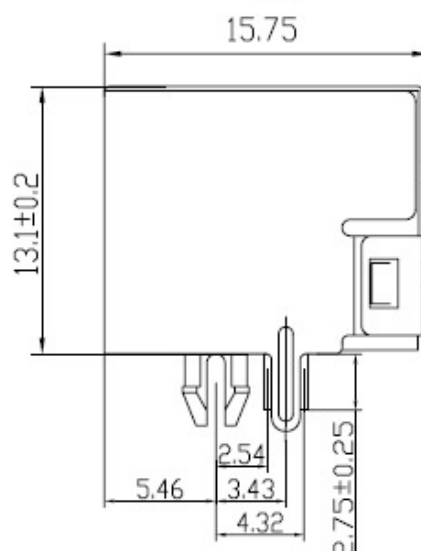
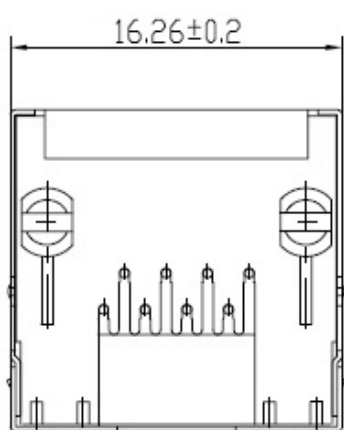
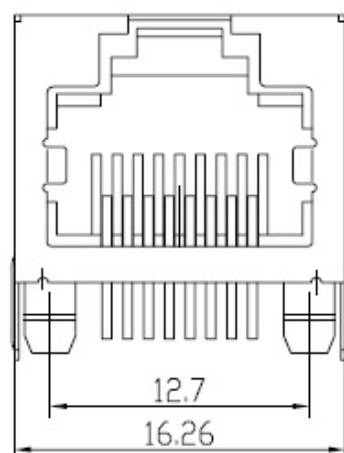
ELECTRICAL:

- | | |
|--------------------------|------------------------------------|
| 1. VOLTAGE RATING | : 125 VAC RMS. |
| 2. CURRENT RATING | : 1.5 AMP. |
| 3. CONTACT RESISTANCE | : 30 MILLIOHMS MAX. |
| 4. INSULATION RESISTANCE | : 500 MEGOHMS MIN @ 500 VDC. |
| 5. DIELECTRIC STRENGTH | : 1000 VAC RMS 50Hz or 60Hz, 1MIN. |

Description: RJ45 TAB UP 1 Port
Part code: JP-TUP-8P8C

RoHS
Compliant

Part Name:	Material:	Revision No: 00	Sheet 1 of 1
1. Housing	PBT UL94V0	Design by: PRM	Date: 04/5/04
2. Contact Pins	PhBz Gold Plated	Checked by: APM	Date: 04/5/04
Main Product: RJ45 1Port		Approved by: APM	Date: 04/5/04
Tolerance: ± 0.2 mm	Scale: Not to scale	Drawing No: RJ45 Tab Up	
Dimensions: mm	3rd Angle Projection	 PRAN ELECTRONICS PVT. LTD. 52 GIDC MAKARPURA VADODARA 390 010	



ENVIRONMENTAL :

1. STORAGE : -10°C ~ +40°C RELATIVE HUMIDITY<70 %.
2. OPERATION : -40°C ~ +70°C.

MECHANICAL:

1. HOUSING & INSERT MATERIAL : PBT UL94V-0.
2. CONTACT MATERIAL : DIAMETER 0.45MM PHOSPHOR BRONZE
GOLD PLATING OVER NICKEL.
3. MATING/UNMATING FORCE : 2.2KG. F MAX.
4. RETENTION STRENGTH : 7.7KG. F MIN BETWEEN JACK AND PLUG.
5. OPERATING LIFE : 600 CYCLES MIN.

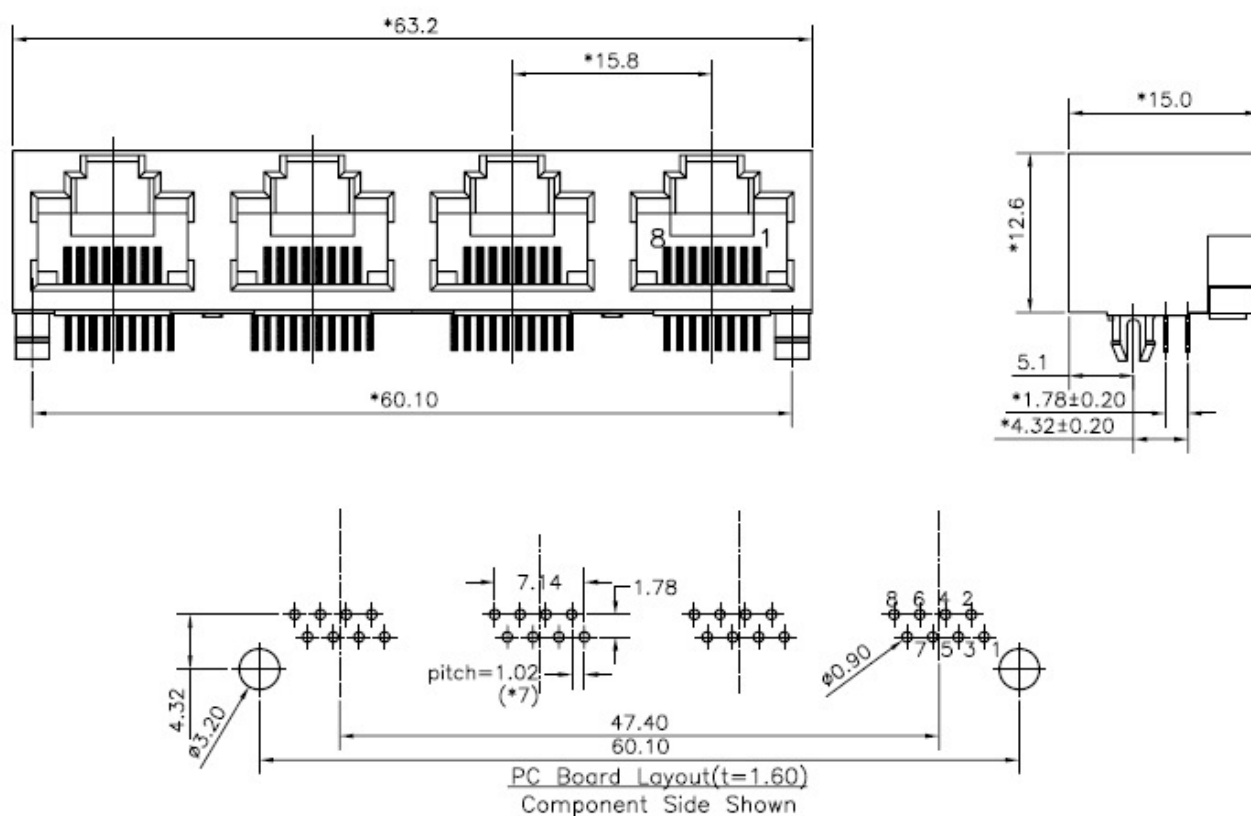
ELECTRICAL:

1. VOLTAGE RATING : 125 VAC RMS.
2. CURRENT RATING : 1.5 AMP.
3. CONTACT RESISTANCE : 30 MILLIOHMS MAX.
4. INSULATION RESISTANCE : 500 MEGOHMS MIN @ 500 VDC.
5. DIELECTRIC STRENGTH : 1000 VAC RMS 50Hz or 60Hz, 1MIN.

Description: RJ45 Tab up with shield
Part code: JP-TUP-8P8C-S

RoHS
Compliant

Part Name:	Material:	Revision No: 00	Sheet 1 of 1
1. Housing	PBT UL94V0	Design by: PRM	Date: 04/5/04
2. Contact Pins	PhBz Gold Plated	Checked by: APM	Date: 04/5/04
Main Product: RJ45 1Port		Approved by: APM	Date: 04/5/04
Tolerance: ± 0.2 mm	Scale: Not to scale	Drawing No: RJ45 Tab Up	
Dimensions: mm	3rd Angle Projection	 PRAN ELECTRONICS PVT. LTD. 52 GIDC MAKARPURA VADODARA 390 010	



ENVIRONMENTAL:

1. STORAGE TEMPERATURE : -40°C $+85^{\circ}\text{C}$ RELATIVE HUMIDITY<80%
 2. OPERATION TEMPERATURE : -40°C $+85^{\circ}\text{C}$
- MATES WITH MODULAR PLUG CONFORMING TO FCC PART 68, SUBPART F.
ROHS PART NUMBER:

MECHANICAL:

1. HOUSING&INSERT& MATERIAL : PBT UL94V-0.
2. CONTACT MATERIAL : PHOSPHOR BRONZE T=0.35mm.
3. CONTACT PLATING : 1: CONTACT AREA-SELECTIVE GOLD PLATING.
2: TAILS PLATING TIN OVER NICKEL.
4. MATING/UNMATING FORCE: : 30N Max..
5. RETENTION STRENGTH : 50N for 60s $\pm$ 5s.
6. DURABILITY : 750 CYCLES MIN.

ELECTRICAL:

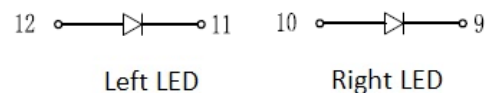
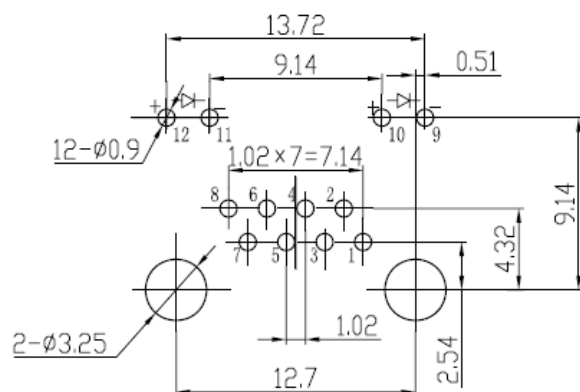
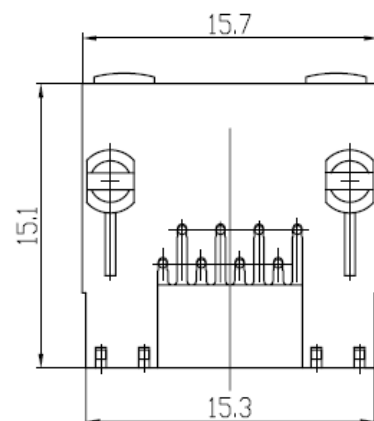
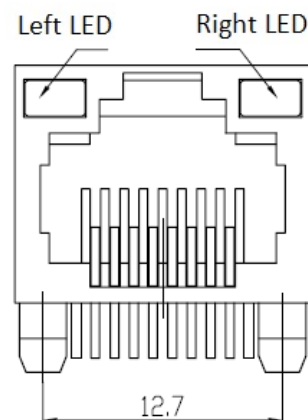
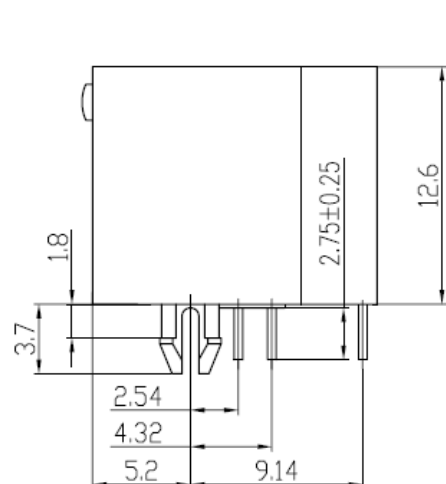
1. VOLTAGE RATING : 125 VAC RMS.
2. CURRENT RATING : 1.5 AMPS@25 $^{\circ}$ C
3. CONTACT RESISTANCE : 20 m Ω MAX.
4. INSULATION RESISTANCE : 1000 M Ω MIN @500VDC.
5. WITHSTAND VOLTAGE : 1000 VAC RMS, contact to contact or 1500VDC, contact to screen and test panel @0.5mA 50Hz or 60Hz 1 min.

Description: RJ45 4 Port TAB UP

Part code: JP-TUP-8P8C-4P

RoHS
Compliant

Part Name:	Material:	Revision No: 00	Sheet 1 of 1
1. Housing	PBT UL94V0	Design by: PRM	Date: 04/5/04
2. Contact Pins	PhBz Gold Plated	Checked by: APM	Date: 04/5/04
Main Product:		Approved by: APM	Date: 04/5/04
Tolerance: ± 0.2 mm	Scale: Not to scale	Drawing No: RJ45 Tab Up	
Dimensions: mm	3rd Angle Projection	 PRAN ELECTRONICS PVT. LTD. 52 GIDC MAKARPURA VADODARA 390 010	



ELECTRICAL:

1. VOLTAGE RATING : 125 VAC RMS.
2. CURRENT RATING : 1.5 AMP.
3. CONTACT RESISTANCE : 30 MILLIOHMS MAX.
4. INSULATION RESISTANCE : 500 MEGOHMS MIN @ 500 VDC.
5. DIELECTRIC STRENGTH : 1000 VAC RMS 50Hz or 60Hz, 1MIN.

MECHANICAL:

1. HOUSING & INSERT MATERIAL : PBT UL94V-0.
2. CONTACT MATERIAL : DIAMETER 0.45MM PHOSPHOR BRONZE
GOLD PLATING OVER NICKEL.
3. MATING/UNMATING FORCE : 2.2KG. F MAX.
4. RETENTION STRENGTH : 7.7KG. F MIN BETWEEN JACK AND PLUG.
5. OPERATING LIFE : 600 CYCLES MIN.

ENVIRONMENTAL:

1. STORAGE : -10°C ~ +40°C RELATIVE HUMIDITY<70%.
2. OPERATION : -40°C ~ +85°C.

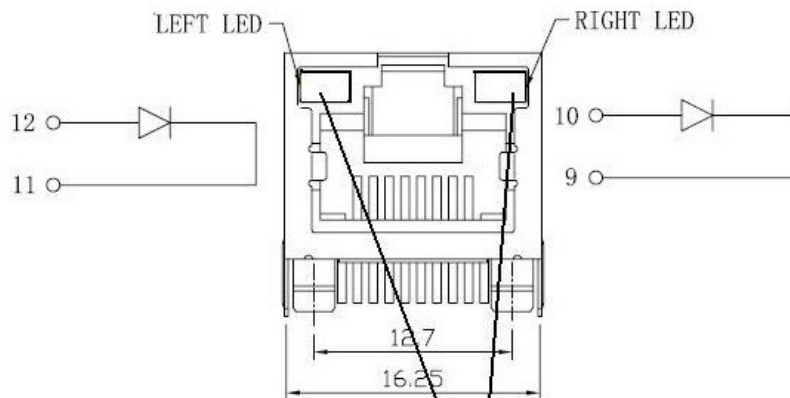
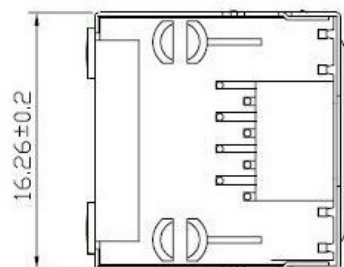
Part No: JP-LED-8P8C-XX

Left Led Right Led

Led colours: Green=G, Red=R, Yellow=Y



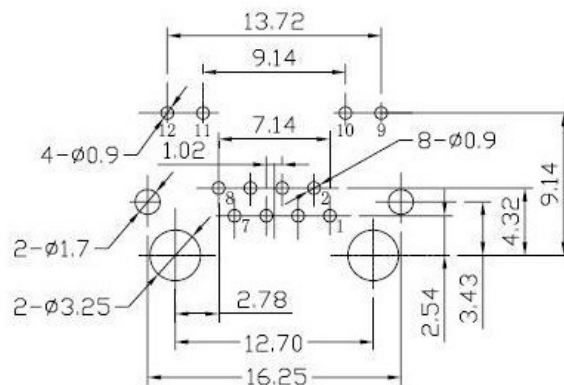
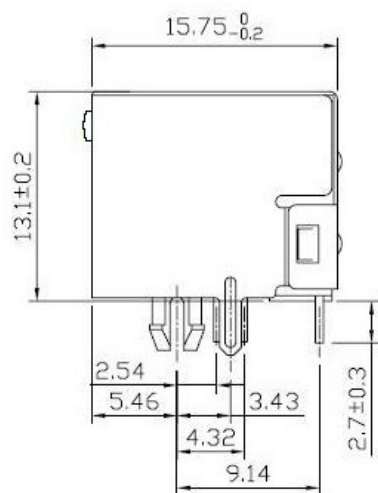
PRAN ELECTRONICS PVT. LTD.
INDIA
Rev. 01 7/2/2014
DRAWING NOT TO SCALE



Part No: JP-LED-8P8C-XXS

Left Led Right Led

Led colours: Green=G, Red=R, Yellow=Y



PC Board Layout (TOP VIEW)

ELECTRICAL:

1. VOLTAGE RATING : 125 VAC RMS.
2. CURRENT RATING : 1.5 AMPS@25° C
3. CONTACT RESISTANCE : 20 mΩ MAX.
4. INSULATION RESISTANCE : 1000 MΩ MIN @500VDC.
5. WITHSTAND VOLTAGE : 1000 VAC RMS, contact to contact or 1500VDC, contact to screen and test panel @0.5mA 50Hz or 60Hz 1 min.

MECHANICAL:

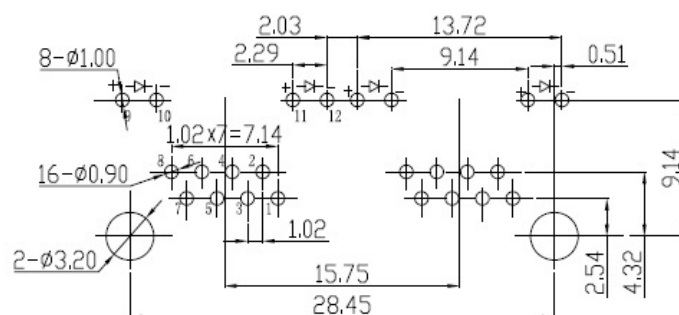
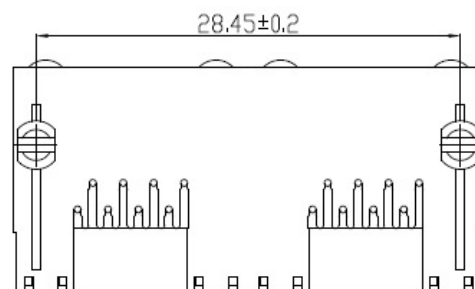
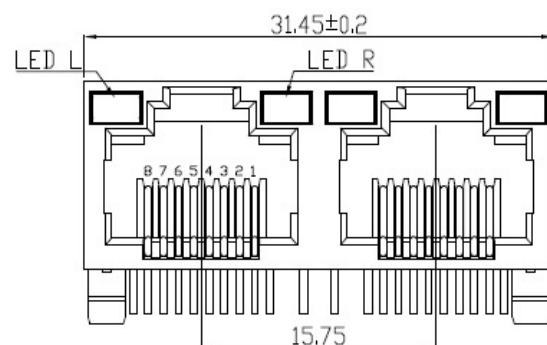
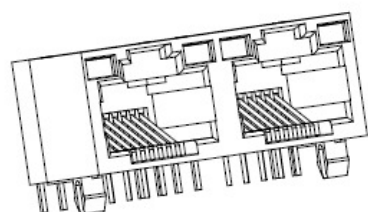
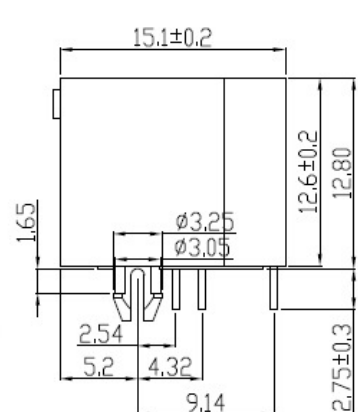
1. HOUSING&INSERT& MATERIAL : PBT UL94V-0.
2. CONTACT MATERIAL : PHOSPHOR BRONZE T=0.35mm.
3. CONTACT PLATING : 1: CONTACT AREA-SELECTIVE GOLD PLATING.
2: TAILS PLATING TIN OVER NICKEL.
4. MATING/UNMATING FORCE: : 30N Max. .
5. RETENTION STRENGTH : 50N for 60s ± 5s.
6. DURABILITY : 750 CYCLES MIN.

ENVIRONMENTAL:

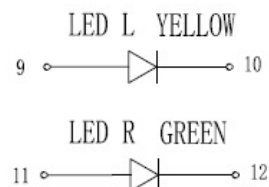
1. STORAGE TEMPERATURE : -40° C +85° C RELATIVE HUMIDITY<80%
 2. OPERATION TEMPERATURE : -40° C +85° C
- MATES WITH MODULAR PLUG CONFORMING TO FCC PART 68, SUBPART F.
ROHS PART NUMBER:



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INDIA
Rev. 01 7/2/2014
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PC Board Layout



ELECTRICAL:

1. VOLTAGE RATING: 125 VAC RMS.
2. CURRENT RATING: 1.5 AMP.
3. CONTACT RESISTANCE: 30 MILLIOHMS MAX.
4. INSULATION RESISTANCE: 500 MEGOHMS MIN @ 500 VDC.
5. DIELECTRIC STRENGTH: 1000 VAC RMS 50Hz or 60Hz, 1MIN.

MECHANICAL:

1. INSERT MATERIAL: UL94V-0.
2. CONTACT MATERIAL: DIAMETER 0.46MM PHOSPHOR BRONZE
GOLD PLATING OVER NICKEL.
3. MATING/UNMATING FORCE: 2.2KG.F MAX.
4. RETENTION STRENGTH: 7.7KG.F MIN BETWEEN JACK AND PLUG.
5. OPERATING LIFE: 750 CYCLES MIN.

ENVIRONMENTAL:

1. STORAGE: -40°C ~ +85°C RELATIVE HUMIDITY<70%.
2. OPERATION: -40°C ~ +85°C.

Part code: JP-LED-2P-XX

Description: RJ45 2 port LED jack

Replace XX with LED Colours

First X = Left LED, Second X = Right LED Colour

Y = Yellow, G = Green, R = Red Colour LED

B = Bicolour Led

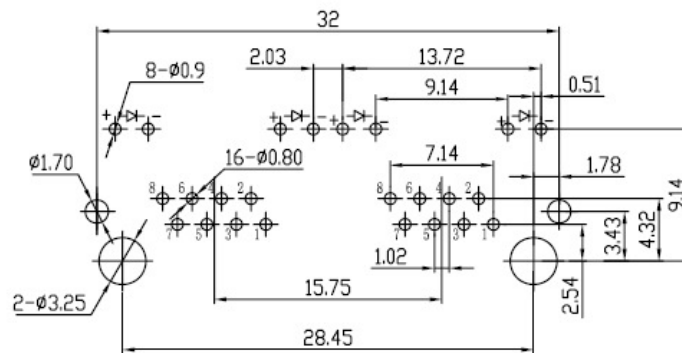
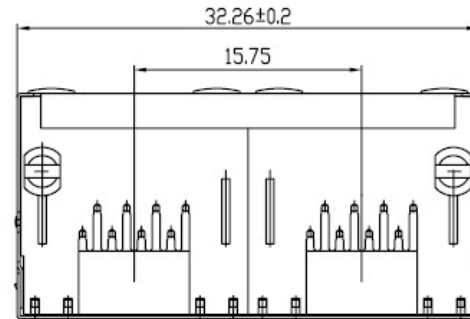
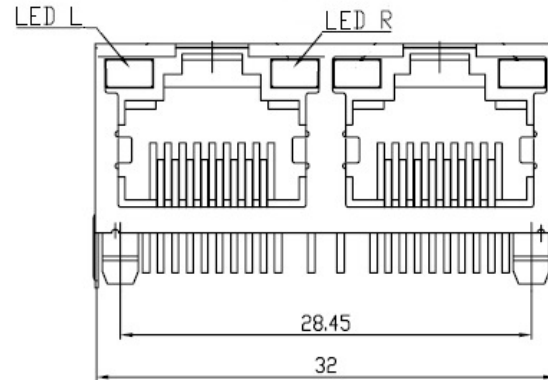
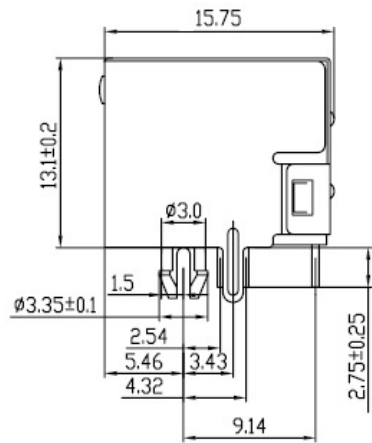
Example: JP-LED-2P-YG

Left Led = Yellow and Right Led = Green



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PC Board Layout

ELECTRICAL:

1. VOLTAGE RATING: 125 VAC RMS.
2. CURRENT RATING: 1.5 AMP.
3. CONTACT RESISTANCE: 30 MILLIOHMS MAX.
4. INSULATION RESISTANCE: 500 MEGOHMS MIN @ 500 VDC.
5. DIELECTRIC STRENGTH: 1000 VAC RMS 50Hz or 60Hz, 1MIN.

MECHANICAL:

1. INSERT MATERIAL: UL94V-0.
2. CONTACT MATERIAL: DIAMETER 0.46MM PHOSPHOR BRONZE
GOLD PLATING OVER NICKEL.
3. MATING/UNMATING FORCE: 2.2KG.F MAX.
4. RETENTION STRENGTH: 7.7KG.F MIN BETWEEN JACK AND PLUG.
5. OPERATING LIFE: 750 CYCLES MIN.

ENVIRONMENTAL:

1. STORAGE: -40°C ~ +85°C RELATIVE HUMIDITY<70%.
2. OPERATION: -40°C ~ +85°C.

Part Code: JP-LED-2PS-XX

Description: RJ45 2Port with LED and Shield

Replace XX with LED Colours

First X = Left LED, Second X = Right LED Colour

Y = Yellow, G = Green, R = Red Colour LED

B = Bicolour Led

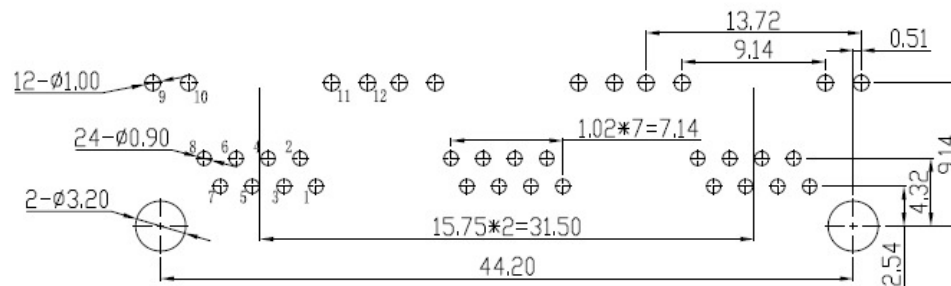
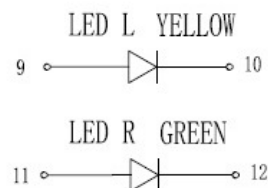
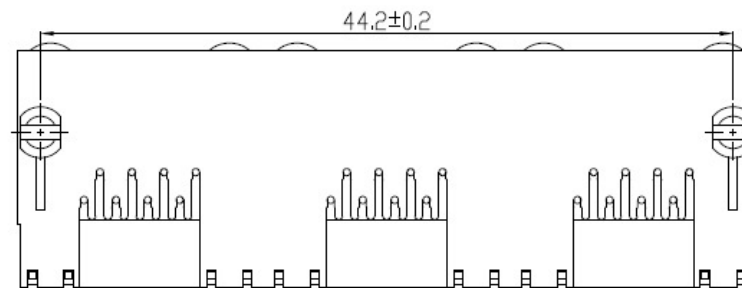
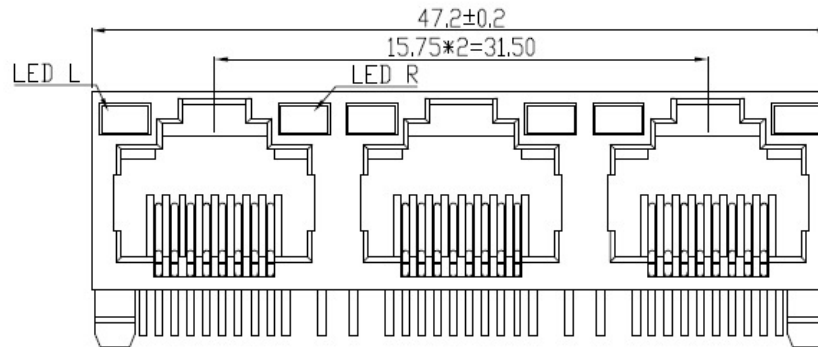
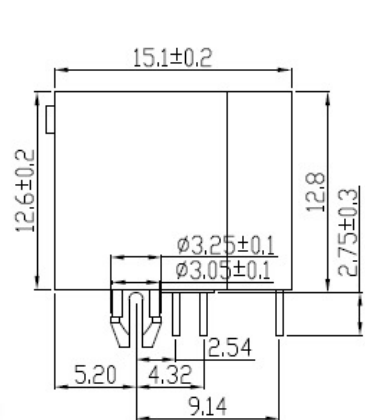
Example: JP-LED-2P-YG

Left Led = Yellow and Right Led = Green



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PC Board Layout

ELECTRICAL:

1. VOLTAGE RATING: 125 VAC RMS.
2. CURRENT RATING: 1.5 AMP.
3. CONTACT RESISTANCE: 30 MILLIOHMS MAX.
4. INSULATION RESISTANCE: 500 MEGOHMS MIN @ 500 VDC.
5. DIELECTRIC STRENGTH: 1000 VAC RMS 50Hz or 60Hz, 1MIN.

MECHANICAL:

1. INSERT MATERIAL: UL94V-0.
2. CONTACT MATERIAL: DIAMETER 0.46MM PHOSPHOR BRONZE
GOLD PLATING OVER NICKEL.
3. MATING/UNMATING FORCE: 2.2KG.F MAX.
4. RETENTION STRENGTH: 7.7KG.F MIN BETWEEN JACK AND PLUG.
5. OPERATING LIFE: 750 CYCLES MIN.

ENVIRONMENTAL:

1. STORAGE: -40°C ~ +85°C RELATIVE HUMIDITY<70%.
2. OPERATION: -40°C ~ +85°C.

Part Code: JP-LED-3P-XX

Description: RJ45 3 Port LED jack

Replace XX with LED Colours

First X = Left LED, Second X = Right LED Colour

Y = Yellow, G = Green, R = Red Colour LED

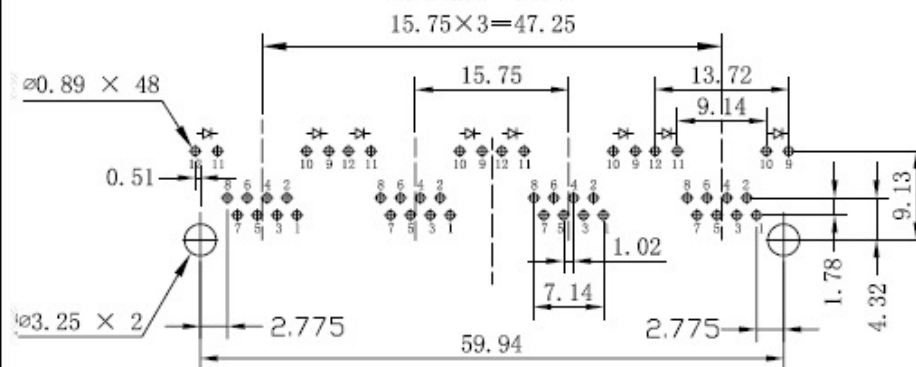
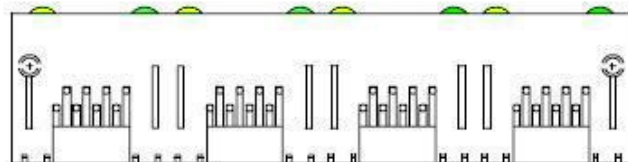
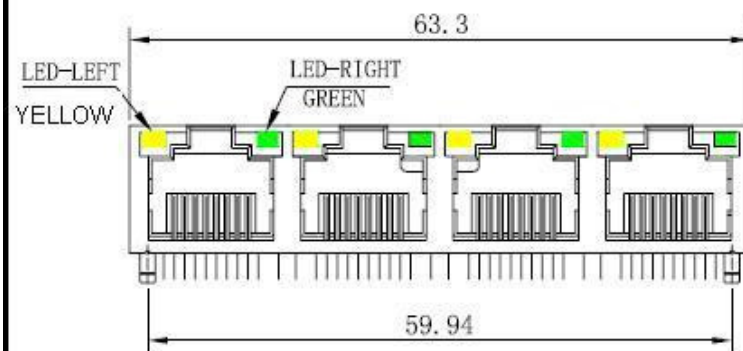
B = Bicolour Led

Example: JP-LED-3P-YG

Left Led = Yellow and Right Led = Green

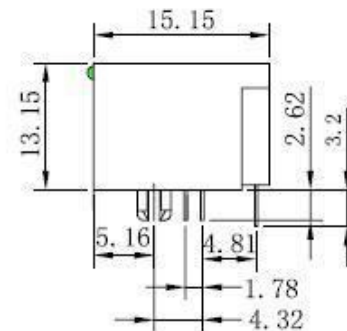

PRAN ELECTRONICS PVT. LTD.
INDIA

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PC Board Layout (TOP VIEW)
Component Side Shown

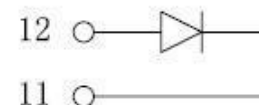
Rev 01. Date 11/7/2011
Dimension added for easy PCB layout



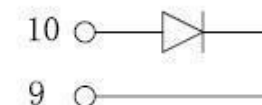
PCB JACK Specification

1. Insulation Resistance: 500MΩ MIN @ 500 VDC
2. Withstanding Voltage: AC1000V 50Hz or 60Hz 1min.
3. Durability: 600 Mating Circles MIN.
4. Gold Plating: (3;6;15;30;50)u inch
5. (1) Storage: -40°C to +85°C
(2) Operation: -40°C to +85°C
(3) Wave solder temperature: 230°C to 250°C, 5~10 Sec.

YELLOW/LEFT LED

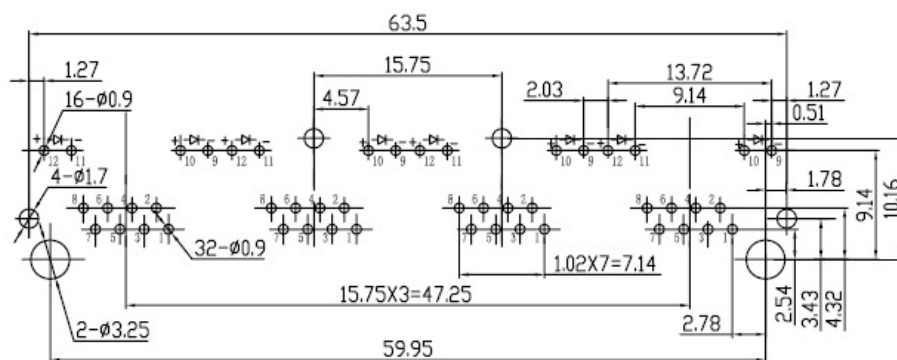
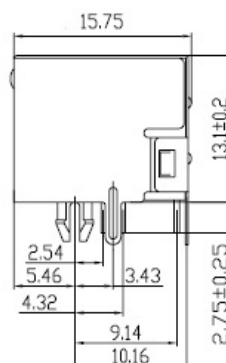
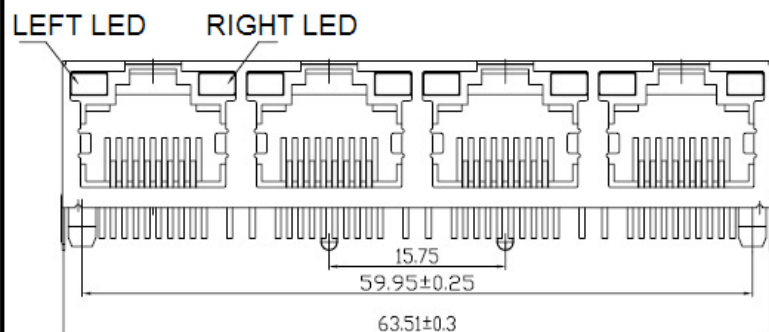
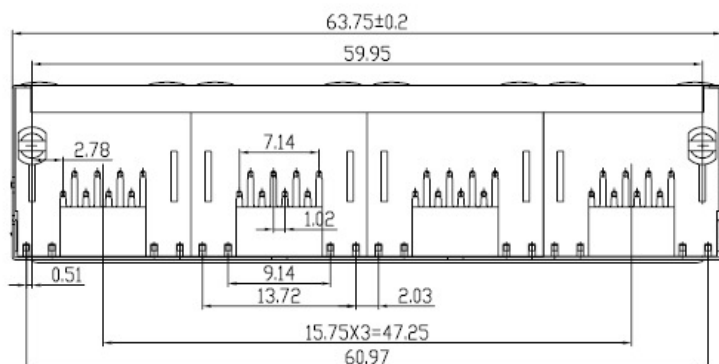


GREEN/RIGHT LED



Part Code: JP-LED-8P8C-YG -4P

Pran Electronics Pvt. Ltd.
52, GIDC, Makarpura,
Vadodara 390010. INDIA



PC Board Layout

ELECTRICAL:

1. VOLTAGE RATING : 125 VAC RMS.
2. CURRENT RATING : 1.5 AMPS@25° C
3. CONTACT RESISTANCE : 20 mΩ MAX.
4. INSULATION RESISTANCE : 1000 MΩ MIN @500VDC.
5. WITHSTAND VOLTAGE : 1000 VAC RMS, contact to contact or 1500VDC, contact to screen and test panel @0.5mA 50Hz or 60Hz 1 min.

MECHANICAL:

1. HOUSING&INSERT& MATERIAL : PBT UL94V-0.
2. CONTACT MATERIAL : PHOSPHOR BRONZE
3. CONTACT PLATING : GOLD PLATING.
4. MATING/UNMATING FORCE: : 30N Max..
5. RETENTION STRENGTH : 50N for 60s ± 5s.
6. DURABILITY : 750 CYCLES MIN.

ENVIRONMENTAL:

1. STORAGE TEMPERATURE : -40° C +85° C RELATIVE HUMIDITY<80%
 2. OPERATION TEMPERATURE : -40° C +85° C
- MATES WITH MODULAR PLUG CONFORMING TO FCC PART 68, SUBPART F.

Part Code: JP-LED-8P8C-4P-XXS

Description: 4 Port LED jack with Shield

Replace XX with LED Colours

First X = Left LED, Second X = Right LED Colour

Y = Yellow, G = Green, R = Red Colour LED

B = Bicolour Led

Example: JP-LED-8P8C-4P-YGS

Left Led = Yellow and Right Led = Green


PRAN ELECTRONICS PVT. LTD.
INDIA

DRAWING NOT TO SCALE