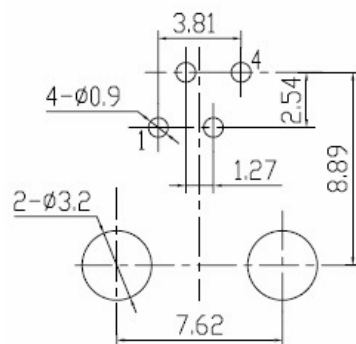
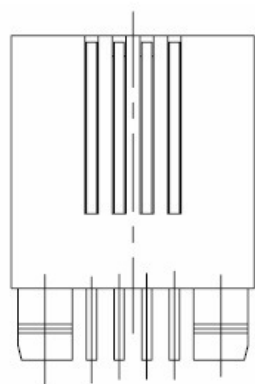
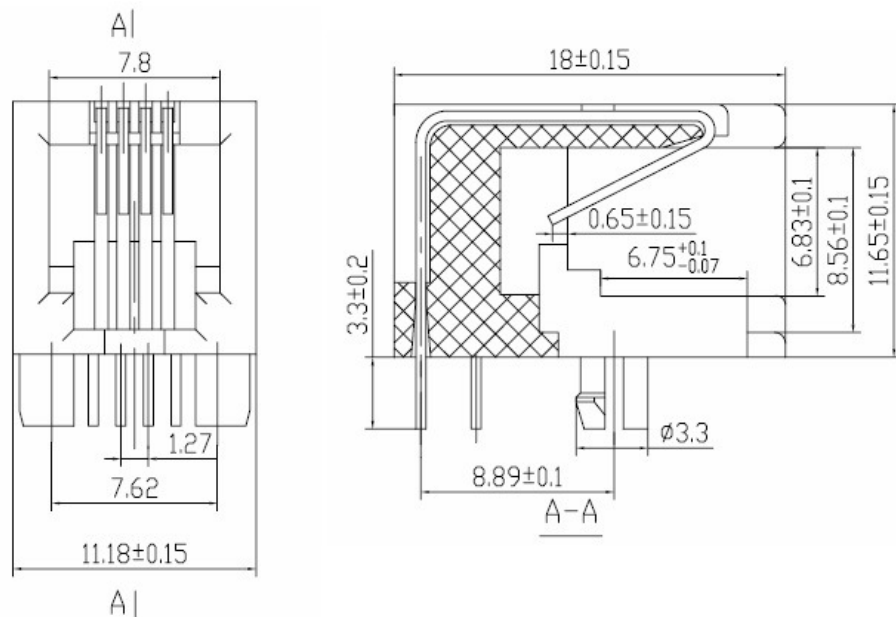




PCB Layout

#### ELECTRICAL:

1. VOLTAGE RATING : 125 VAC RMS.
2. CURRENT RATING : 1.5 AMP.
3. CONTACT RESISTANCE : 20 MILLIOHMS MAX.
4. INSULATION RESISTANCE : 1000 MEGOHMS MIN @ 500 VDC
5. DIELECTRIC STRENGTH : 1000 V AC OR 1500V DC RMS @ 0.5mA 50 Hz / 60 Hz 1 Minute

#### MECHANICAL:

1. HOUSING&INSERT& MATERIAL : PBT UL94V-0.
2. CONTACT MATERIAL : PHOSPHOR BRONZE Ø0.46mm.
3. PLATING : GOLD PLATING OVER NICKEL.
4. OPERATING LIFE : 750 CYCLES MIN.
5. MATING/UNMATING FORCE: : 30N Max.
6. RETENTION STRENGTH: : 50N FOR 60S±5S.

#### ENVIRONMENTAL:

1. STORAGE : -40°C TO +85°C RELATIVE HUMIDITY<80%.
2. OPERATION : -40°C TO +85°C.

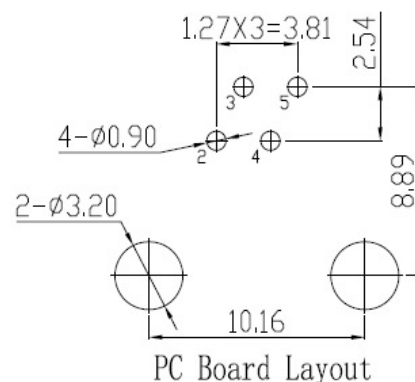
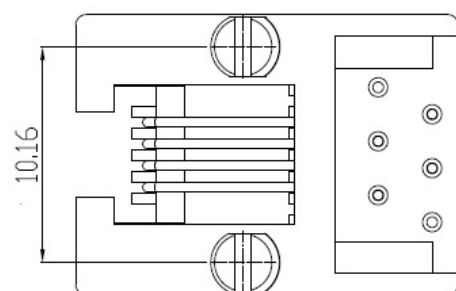
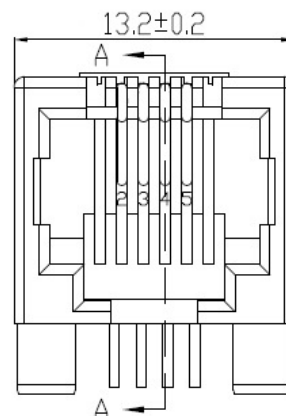
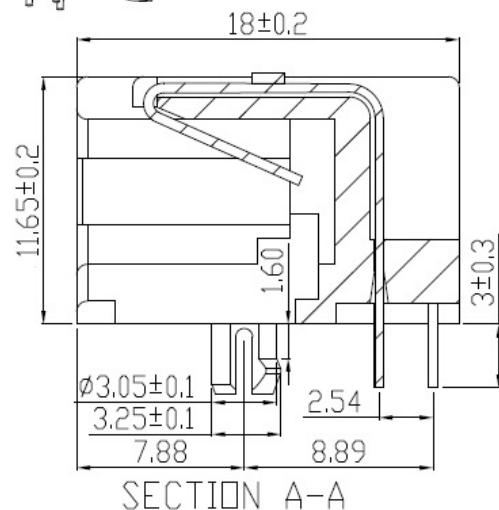
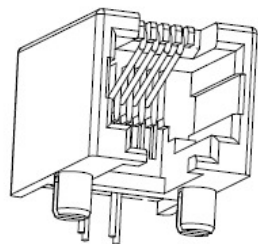
MATES WITH MODULAR PLUG CONFORMING TO  
FCC PART 68, SUBPART F.

**Description: Low profile 4P4C modular jack**

**Part code: JP-OE-4P4C**

PRAN ELECTRONICS PVT. LTD.  
INDIA

DRAWING NOT TO SCALE



# ELECTRICAL:

|                          |                                                               |
|--------------------------|---------------------------------------------------------------|
| 1. VOLTAGE RATING        | : 125 VAC RMS.                                                |
| 2. CURRENT RATING        | : 1.5 AMP.                                                    |
| 3. CONTACT RESISTANCE    | : 20 MILLIOHMS MAX.                                           |
| 4. INSULATION RESISTANCE | : 1000 MEGOHMS MIN @ 500 VDC                                  |
| 5. DIELECTRIC STRENGTH   | : 1000 V AC OR 1500V DC RMS<br>@ 0.5mA 50 Hz / 60 Hz 1 Minute |

# MECHANICAL:

|                             |                                  |
|-----------------------------|----------------------------------|
| 1. HOUSING&INSERT& MATERIAL | : PBT UL94V-0.                   |
| 2. CONTACT MATERIAL         | : PHOSPHOR BRONZE $\phi$ 0.46mm. |
| 3. PLATING                  | : GOLD PLATING OVER NICKEL.      |
| 4. OPERATING LIFE           | : 750 CYCLES MIN.                |
| 5. MATING/UNMATING FORCE:   | : 30N Max.                       |
| 6. RETENTION STRENGTH:      | : 50N FOR 60S±5S.                |

# ENVIRONMENTAL:

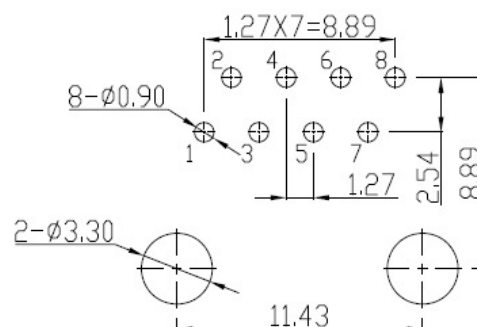
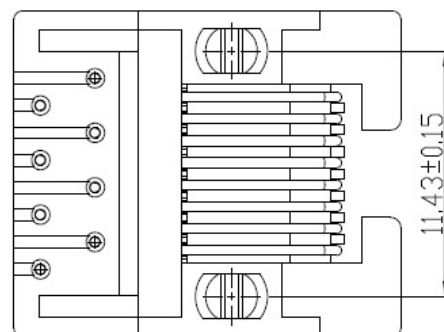
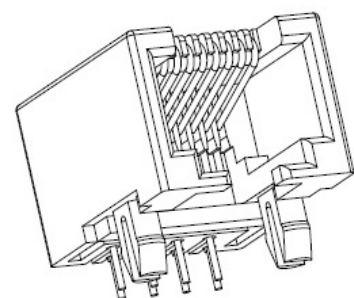
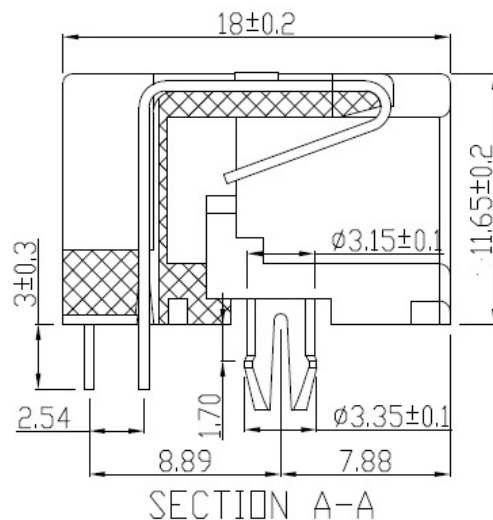
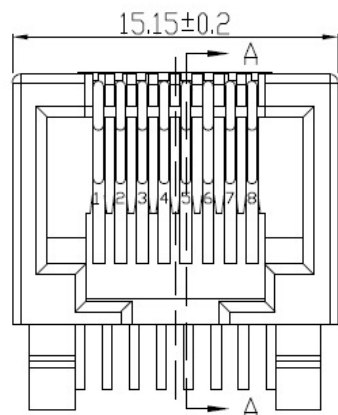
|                                                                  |                                         |
|------------------------------------------------------------------|-----------------------------------------|
| 1. STORAGE                                                       | : -40°C TO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

Part code: JP-OE-6P4C

Description: Low profile modular jack 6P4C

PRAN ELECTRONICS PVT. LTD.  
INDIA

DRAWING NOT TO SCALE



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: PHOSPHOR BRONZE T=0.35MM.
3. PLATING: 1. CONTACT AREA-SELECTIVE GOLD PLATING.  
: 2. TAILS PLATING TIN OVER NICKEL.
4. MATING/UNMATING FORCE: 2.2KG. F MAX.
5. RETENTION STRENGTH: 7.7KG. F MIN BETWEEN JACK AND PLUG.
6. OPERATING LIFE: 600 CYCLES MIN.

## ENVIRONMENTAL:

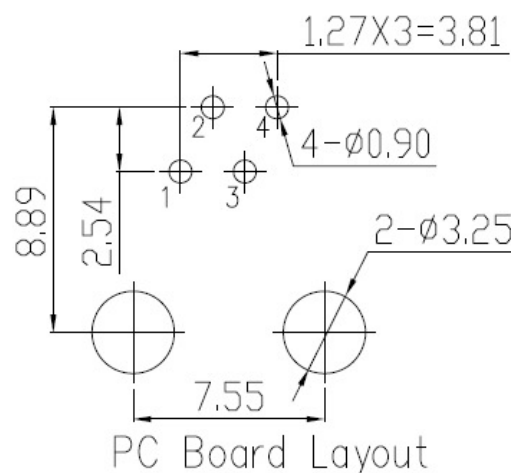
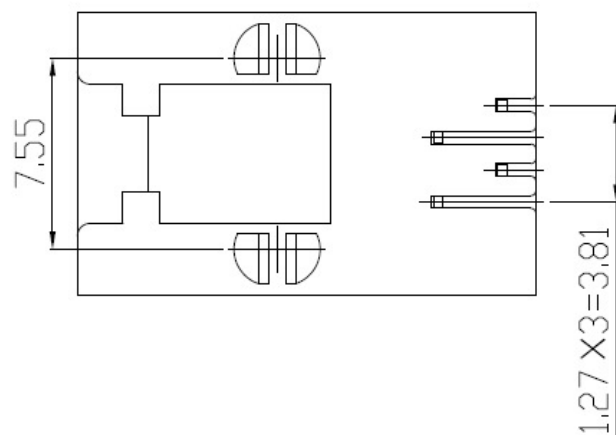
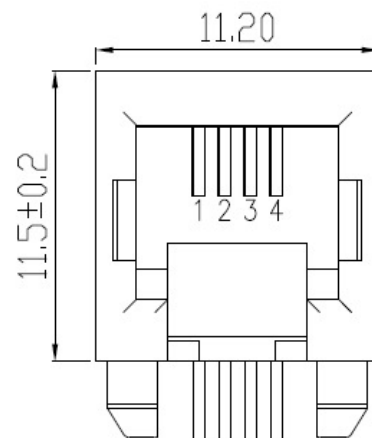
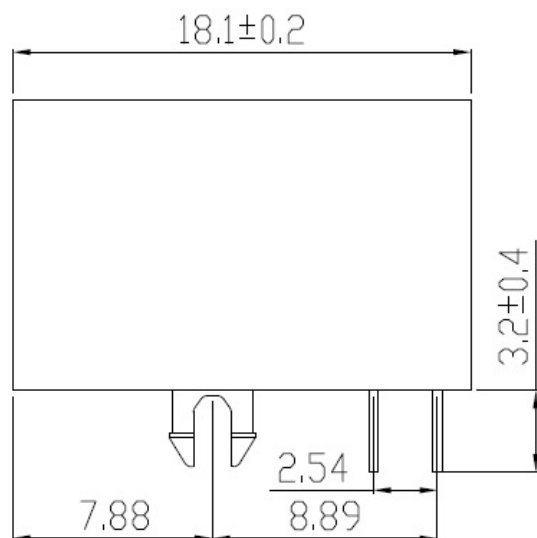
1. STORAGE: -40°C ~ +85°C RELATIVE HUMIDITY<70%.
2. OPERATION: -40°C ~ +85°C.

Part code: JP-OE-8P8C

Description: RJ45 low profile modular jack

PRAN ELECTRONICS PVT. LTD.  
INDIA

DRAWING NOT TO SCALE



#### 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: PHOSPHOR BRONZE T=0.35MM.
3. PLATING: 1. CONTACT AREA-SELECTIVE GOLD PLATING.  
: 2. TAILS PLATING TIN OVER NICKEL.
4. MATING/UNMATING FORCE: 2.2KG. F MAX.
5. RETENTION STRENGTH: 7.7KG. F MIN BETWEEN JACK AND PLUG.
6. OPERATING LIFE: 600 CYCLES MIN.

#### ENVIRONMENTAL:

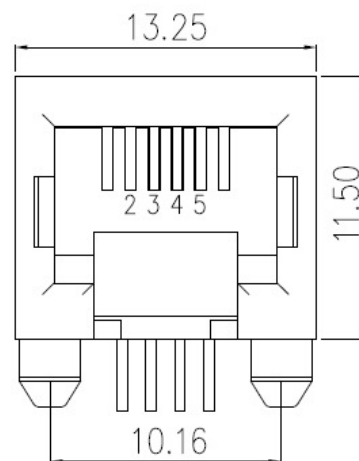
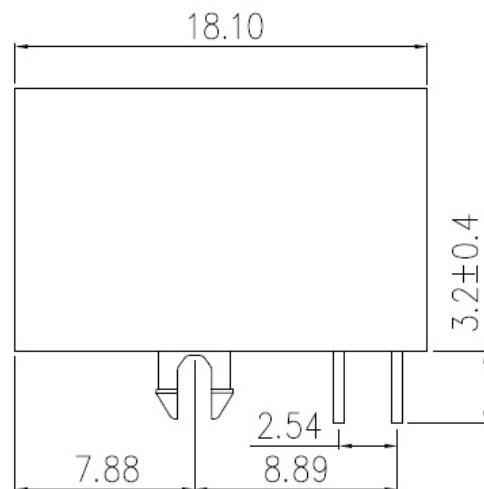
1. STORAGE: -40°C ~ +85°C RELATIVE HUMIDITY<70%.
2. OPERATION: -40°C ~ +85°C.

Part code: JP-LP-4P4C

Description: Low profile 4P4C modular jack

PRAN ELECTRONICS PVT. LTD.  
INDIA

DRAWING NOT TO SCALE



# ELECTRICAL:

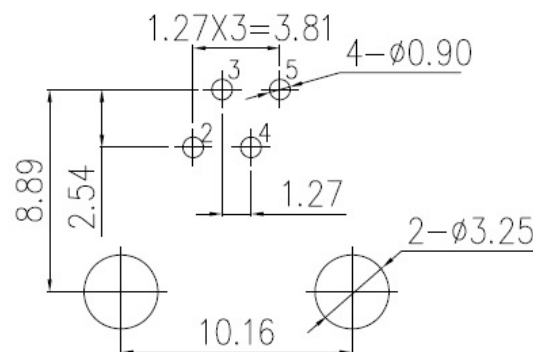
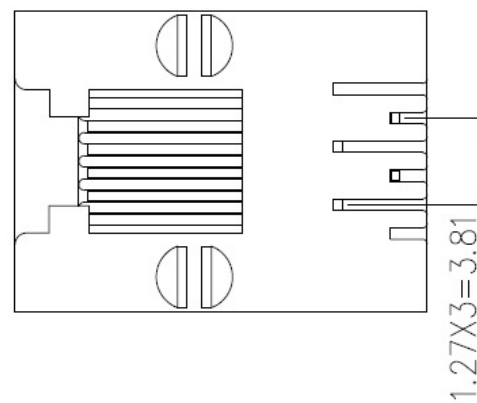
1. VOLTAGE RATING: 125 VAC RMS.
2. CURRENT RATING: 1.5 AMP.
3. CONTACT RESISTANCE: 30 MILLIOHMS MAX.
4. INSULATION RESISTANCE: 500 MEGOHMS MIN @ 500 VDC.
5. DIELECTRIC STRENGTH: 1000 VAC RMS 50Hz or 60Hz, 1MIN.

# MECHANICAL:

1. INSERT MATERIAL: UL94V-0.
2. CONTACT MATERIAL: PHOSPHOR BRONZE T=0.35MM.
3. PLATING: 1. CONTACT AREA-SELECTIVE GOLD PLATING.  
: 2. TAILS PLATING TIN OVER NICKEL.
4. MATING/UNMATING FORCE: 2.2KG. F MAX.
5. RETENTION STRENGTH: 7.7KG. F MIN BETWEEN JACK AND PLUG.
6. OPERATING LIFE: 600 CYCLES MIN.

# ENVIRONMENTAL:

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



PC Board Layout

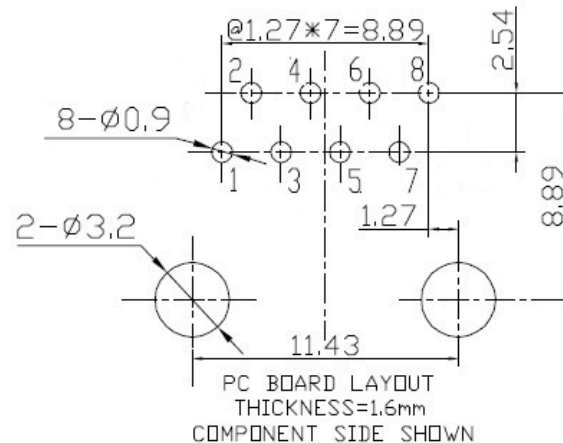
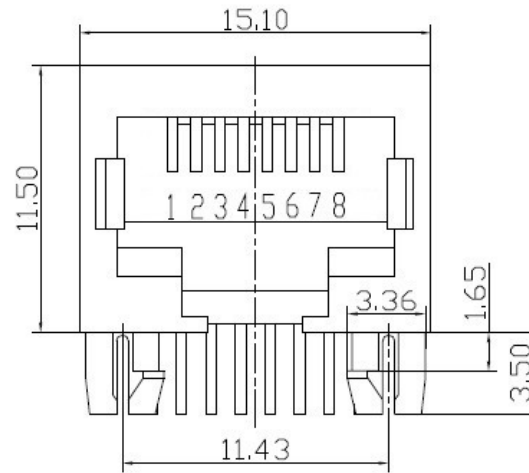
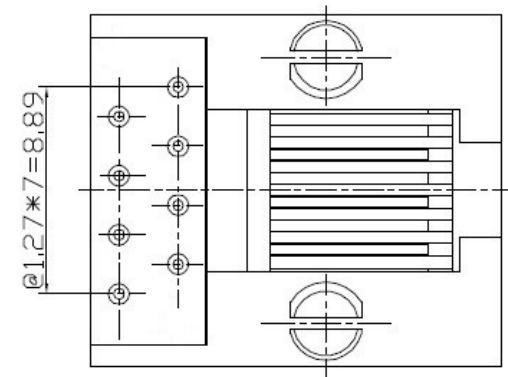
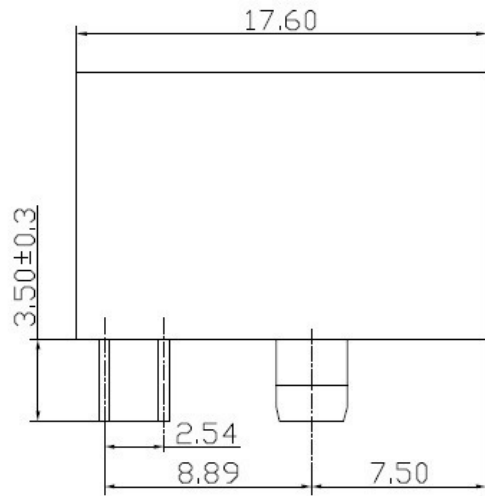
Part Code: JP-LP-6P4C

Description: Low Profile 6P4C modular jack

PRAN ELECTRONICS PVT. LTD.  
INDIA

DRAWING NOT TO SCALE





#### ELECTRICAL:

- |                          |                                                            |
|--------------------------|------------------------------------------------------------|
| 1. VOLTAGE RATING        | : 125 VAC RMS.                                             |
| 2. CURRENT RATING        | : 1.5 AMP.                                                 |
| 3. CONTACT RESISTANCE    | : 20 MILLIOHMS MAX.                                        |
| 4. INSULATION RESISTANCE | : 1000 MEGOHMS MIN @ 500 VDC                               |
| 5. DIELECTRIC STRENGTH   | : 1000 V AC OR 1500V DC RMS @ 0.5mA 50 Hz / 60 Hz 1 Minute |

#### MECHANICAL:

- |                             |                             |
|-----------------------------|-----------------------------|
| 1. HOUSING&INSERT& MATERIAL | : PBT UL94V-0.              |
| 2. CONTACT MATERIAL         | : PHOSPHOR BRONZE Ø0.46mm.  |
| 3. PLATING                  | : GOLD PLATING OVER NICKEL. |
| 4. OPERATING LIFE           | : 750 CYCLES MIN.           |
| 5. MATING/UNMATING FORCE:   | : 30N Max.                  |
| 6. RETENTION STRENGTH:      | : 50N FOR 60S±5S.           |

#### ENVIRONMENTAL:

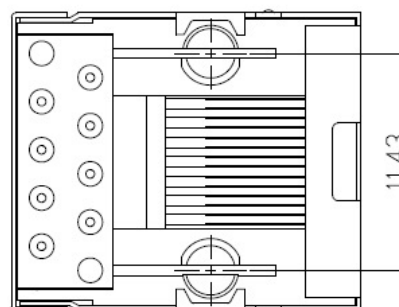
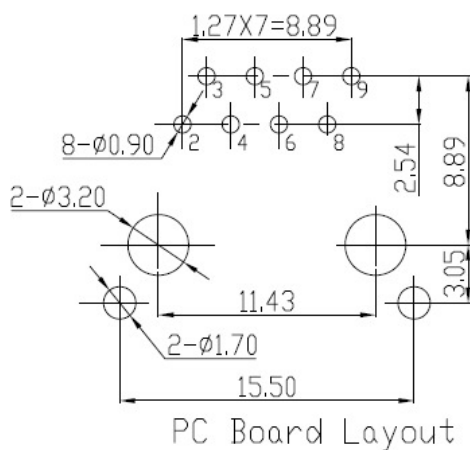
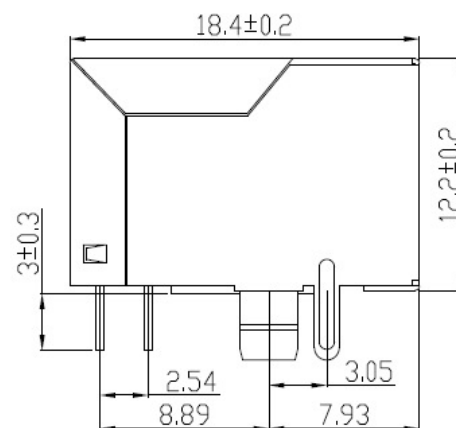
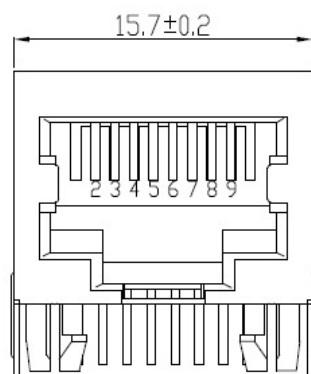
- |              |                                         |
|--------------|-----------------------------------------|
| 1. STORAGE   | : -40°C TO +85°C RELATIVE HUMIDITY<80%. |
| 2. OPERATION | : -40°C TO +85°C.                       |

MATES WITH MODULAR PLUG CONFORMING TO  
FCC PART 68, SUBPART F.

Part code: JP - LP - 8P8C

Description: Low profile RJ45 8P8C Modular Jack

PRAN ELECTRONICS PVT. LTD.  
INDIA  
Rev. 01 date 27/1/2014  
DRAWING NOT TO SCALE



#### 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: PHOSPHOR BRONZE  $T=0.35$ MM.
3. PLATING: 1. CONTACT AREA-SELECTIVE GOLD PLATING.  
: 2. TAILS PLATING TIN OVER NICKEL.
4. MATING/UNMATING FORCE: 2.2KG. F MAX.
5. RETENTION STRENGTH: 7.7KG. F MIN BETWEEN JACK AND PLUG.
6. OPERATING LIFE: 600 CYCLES MIN.

#### ENVIRONMENTAL:

1. STORAGE:  $-40^{\circ}\text{C} \sim +85^{\circ}\text{C}$  RELATIVE HUMIDITY<70%.
2. OPERATION:  $-40^{\circ}\text{C} \sim +85^{\circ}\text{C}$ .

Part Code: JP-LP-8P8C-S

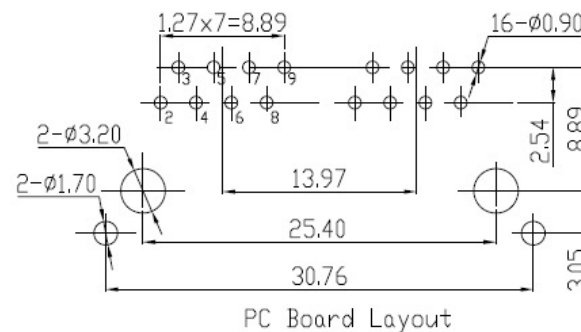
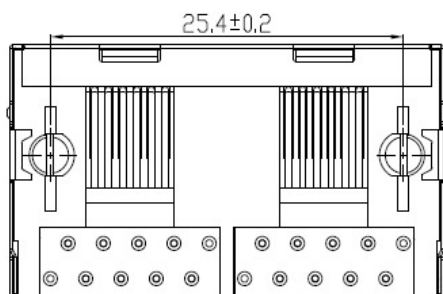
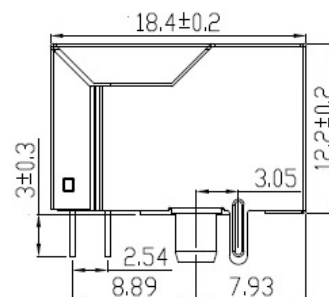
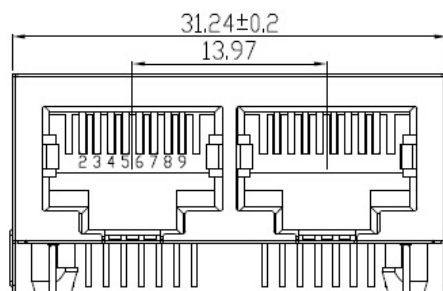
Description: RJ45 8P8C low profile modular jack with shield F3.05

PRAN ELECTRONICS PVT. LTD.  
INDIA

DRAWING NOT TO SCALE







## 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: PHOSPHOR BRONZE T=0.35MM.
3. PLATING: 1. CONTACT AREA-SELECTIVE GOLD PLATING.  
: 2. TAILS PLATING TIN OVER NICKEL.
4. MATING/UNMATING FORCE: 2.2KG. F MAX.
5. RETENTION STRENGTH: 7.7KG. F MIN BETWEEN JACK AND PLUG.
6. OPERATING LIFE: 600 CYCLES MIN.

## ENVIRONMENTAL:

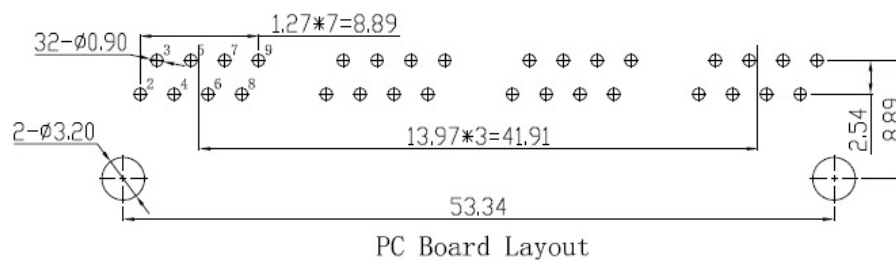
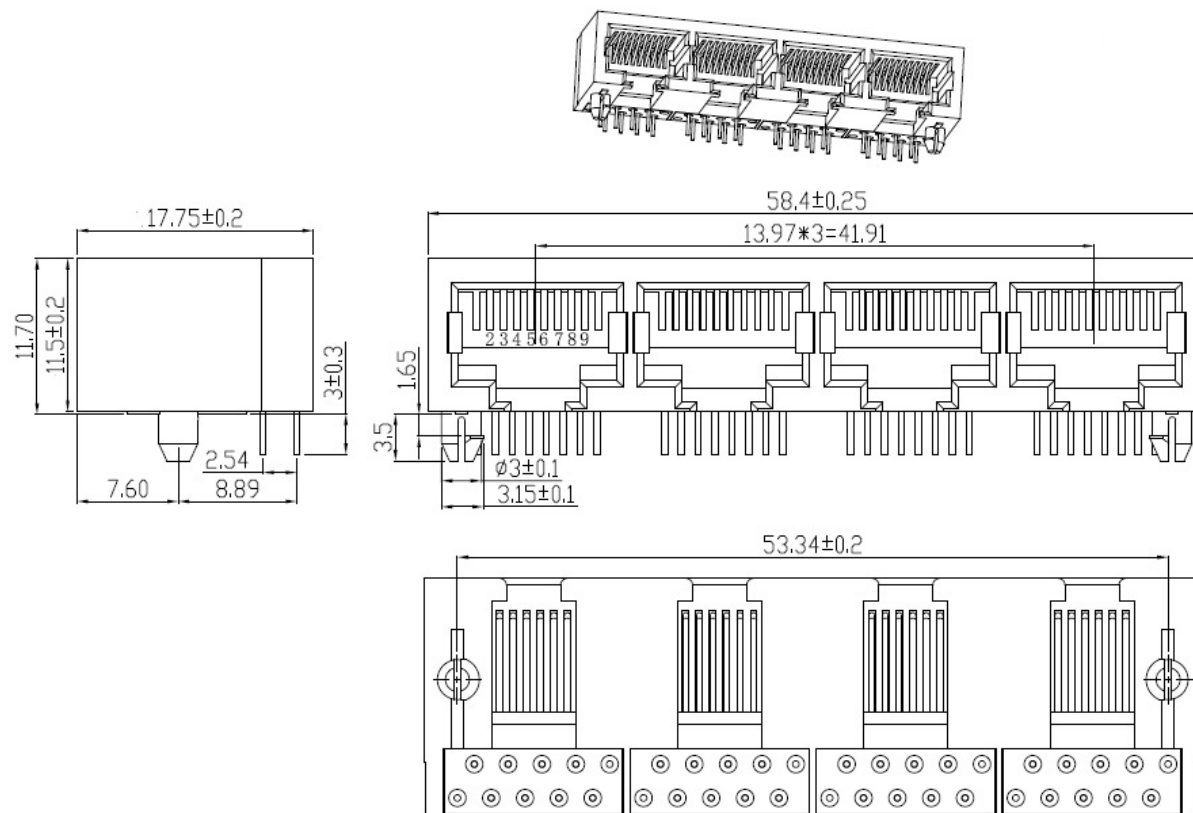
1. STORAGE: -40°C ~ +85°C RELATIVE HUMIDITY<70%.
2. OPERATION: -40°C ~ +85°C.

Part Code: JP-LP-8P8C-2PS

Description: RJ45 2 Port low profile modular jack with Shield F3.05

PRAN ELECTRONICS PVT. LTD.  
INDIA

DRAWING NOT TO SCALE



# 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: PHOSPHOR BRONZE T=0.35MM.
3. PLATING: 1. CONTACT AREA-SELECTIVE GOLD PLATING.  
: 2. TAILS PLATING TIN OVER NICKEL.
4. MATING/UNMATING FORCE: 2.2KG. F MAX.
5. RETENTION STRENGTH: 7.7KG. F MIN BETWEEN JACK AND PLUG.
6. OPERATING LIFE: 600 CYCLES MIN.

# ENVIRONMENTAL:

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

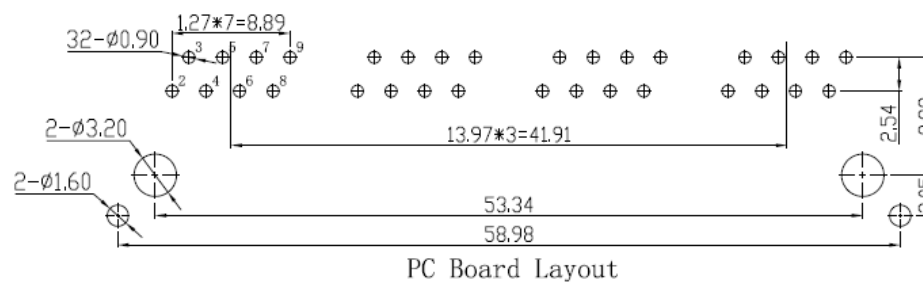
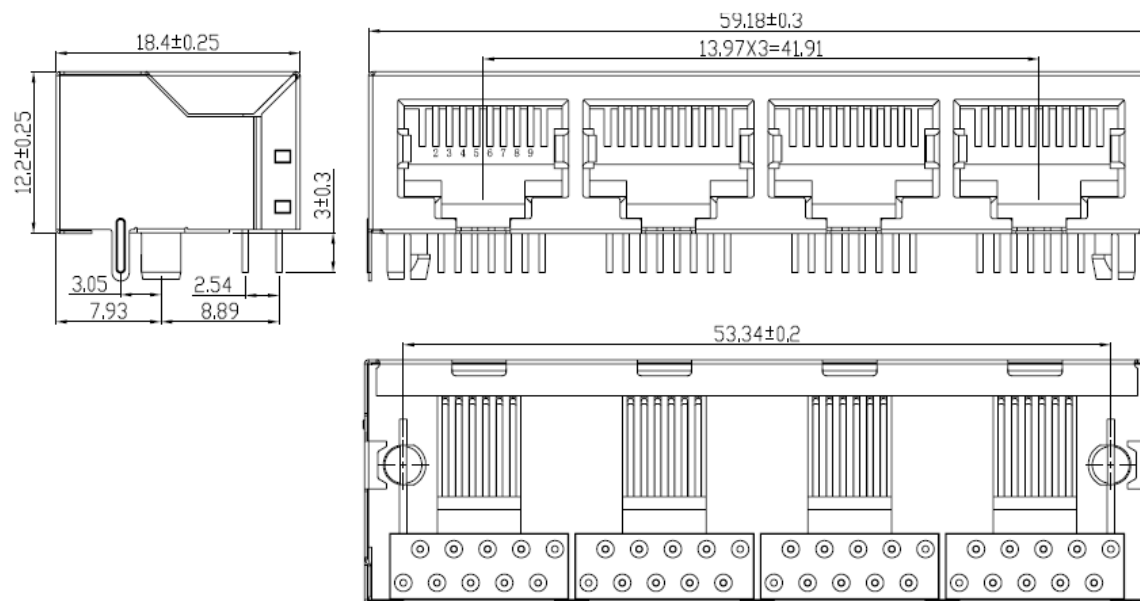


Part code: JP-LP-8P8C-4P

Description: RJ45 1x4 port 8P8C

PRAN ELECTRONICS PVT. LTD.  
INDIA

DRAWING NOT TO SCALE



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: PHOSPHOR BRONZE T=0.35MM.
3. PLATING: 1. CONTACT AREA-SELECTIVE GOLD PLATING.  
: 2. TAILS PLATING TIN OVER NICKEL.
4. MATING/UNMATING FORCE: 2.2KG. F MAX.
5. RETENTION STRENGTH: 7.7KG. F MIN BETWEEN JACK AND PLUG.
6. OPERATING LIFE: 600 CYCLES MIN.

## ENVIRONMENTAL:

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

Part code: JP-LP-8P8C-4PS

Description: RJ45 1x4 port 8P8C with Shield F3.05

PRAN ELECTRONICS PVT. LTD.  
INDIA

DRAWING NOT TO SCALE