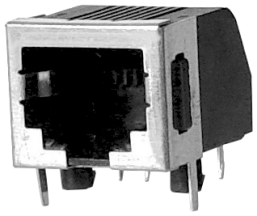
Modular Telephone Jack



RoHS Compliant

Description:

Modular Telephone Jacks are a complete line of PCB and wire leaded jacks which are UL and CSA approved and meet all required FCC rules and regulations.

Specification:

Material:

Standard Insulator	: PBT, or ABS
Optional Hi-Temp Insulator	: Nylon 6T
Insulator Colours	: Black or medium gray
Contacts	: Phosphor Bronze
Shield	: Phosphor Bronze, tin plated

Contact Plating:

Flat contacts	: Gold Flash over Nickel under plate on contact area, Tin over Copper under plate on solder tails.
Round contacts	: Gold flash over Nickel under plate overall

Electrical:

Operating voltage	: 150V AC max.
Current rating	: 1.5 Amps max.
Contact resistance	: 20mΩ max. initial
Insulation resistance	: 500MΩ min.
Dielectric withstanding voltage	: 1000V AC for 1 minute

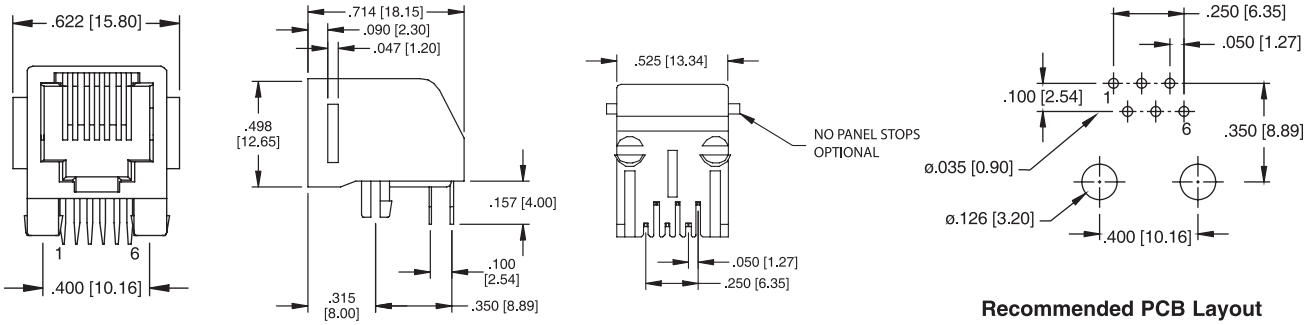
Mechanical:

Insertion force	: 6 contacts: 20.6N (MTJ-66OX1) 8 contacts: 22.5N (MTJ-88OX1-S
Durability	: 500 Cycles

Temperature Rating:

Operating Temperature	: -40°C to +70°C
Soldering process temperature	: Standard insulator: 235°C & Hi-Temp insulator: 260C

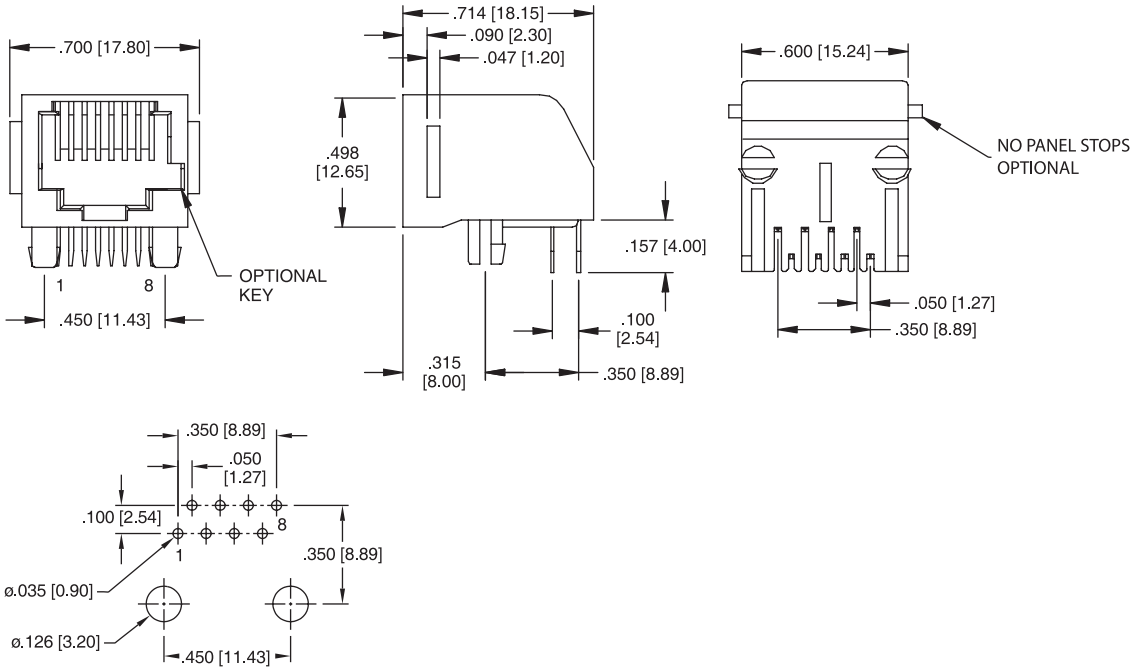
Diagram MTJ-66OX1



Recommended PCB Layout

Dimensions : Inches (Millimeters)

Diagram MTJ-88OX1-S



Recommended PCB Layout

Dimensions : Inches (Millimeters)

Part Number Table

Description	Part Number
CAT5/CAT5E RJ25 Modular Jack 6POS 1 Port	MTJ-66OX1
CAT5/CAT5E RJ45 Modular Jack 8POS 1 Port	MTJ-88OX1-S

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