

Adam Technologies, Inc.

### INTRODUCTION:

Adam Tech MTJ series 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. Adam Tech offers a multitude of sizes (4p2c thru 10p10c) with styles including single, ganged and stacked versions with options of ferrite or magnetic filtering and or metal shielding. Jacks with integral LED's and combination hybrids such as MTJ/USB jacks are also available. These jacks are available in thru-hole or SMT mounting.

### FEATURES:

- UL 1863 recognized
- FCC compliant to No. 47 CFR part 68
- Magnetic and Ferrite filtered types
- 4,6,8 and 10 positions available
- Single, stacked or ganged
- Hi-Temp and LED options
- Unshielded or Metal Shielded
- Thru-Hole or SMT mounting
- Cat. 5 & 5E ANSI/TIA/EIA 568.2

### MATING PLUGS:

Adam Tech modular telephone plugs and all industry standard telephone plugs.

### SPECIFICATIONS:

#### Material:

- Standard Insulator: PBT, or ABS, rated UL94V-0
- Optional Hi-Temp Insulator: Nylon 6T rated UL94V-0
- Insulator Colors: Black or medium gray
- Contacts: Phosphor Bronze
- Shield: Phosphor Bronze, tin plated

#### Contact Plating:

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

#### Electrical:

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

#### Mechanical:

Insertion force:	4 contacts:	17.6N
	6 contacts:	20.6N
	8 contacts:	22.5N
	10 contacts:	24.5N

Durability: 500 Cycles

#### Temperature Rating:

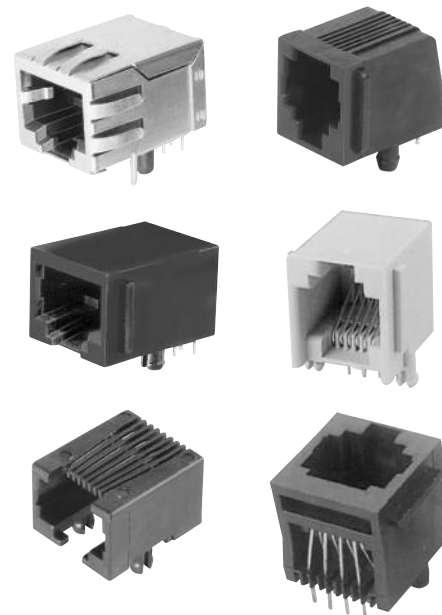
- Operating temperature: -40°C to +70°C
- Soldering process temperature:
  - Standard insulator: 235°C
  - Hi-Temp insulator: 260C

#### PACKAGING:

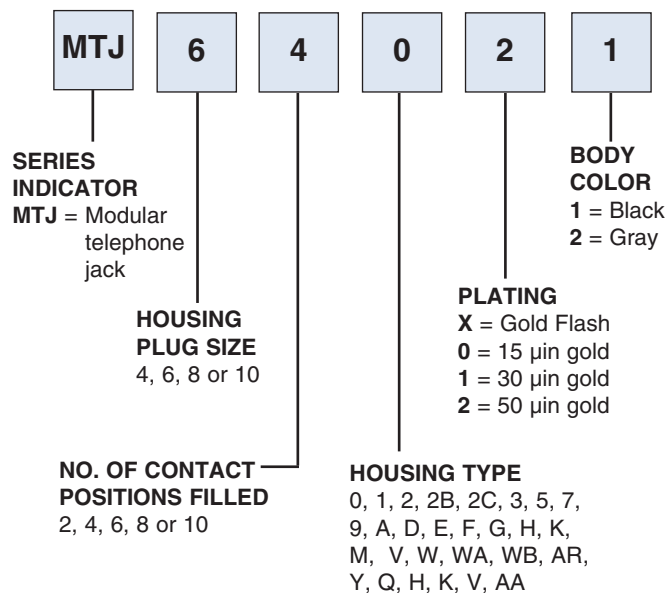
Anti-ESD plastic trays

#### SAFETY AGENCY APPROVALS:

UL Recognized E224049



### ORDERING INFORMATION



#### OPTIONS:

- Add designator(s) to end of part number
  - S = Face shielded jack (Body type 0 only)
  - FSX = Full metal shield (Use FSA, FSB, FSD, FSE)
  - SMT = Surface mount tails, housings 0, 5, 9, G & W with Hi-Temp insulator
  - N = No panel stops
  - K = Keyed telephone jack
  - HT = Hi-Temp insulator for Hi-Temp soldering processes up to 260C (Add this option for thru-hole products only. All SMT products are manufactured with Hi-Temp insulators)
  - PG = Panel ground tabs