

**Modular Jacks with Shorting Bars**

**Product Facts**

- Meets or exceeds FCC Part 68 rules and regulations with industry standard pc board footprints
- Low profile and narrow width allow more ports to be packed into less space
- Unshielded and shielded versions in popular size configurations
- Positive connection throughout life of equipment with insert molded contacts
- Accurately positioned solder tails reduce assembly labor while selectively deposited gold plating results in lower cost
- Available with two grounding options; pc board & panel

**Specifications**

**Electrical:**

**Current Rating** - 1.5 amp max. @ 25°C

**Voltage Rating** - 150 VAC max.

**Dielectric Withstanding Voltage** - 1000 VAC

**Insulation Resistance** - 500 megohms min.

**Shielding Effectiveness** - 20dB min., 10 to 200 MHz

**Mechanical:**

**Durability** - 750 mating cycles

**Mating/Unmating Forces** - 5 lbs. max.

**Operating Temperature** - -40°C to 70°C

**Material and Finish:**

**Housing** - Polysulfone, black, UL 94V-0 rated

**Contact** - .013 [0.33] phosphor bronze; plated .000050 [0.00127] gold in localized area and .000150 [0.00381] tin-lead on solder tails, over .000050 [0.00127] nickel underplate

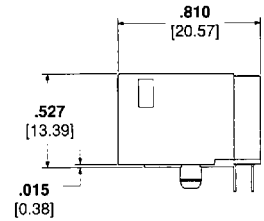
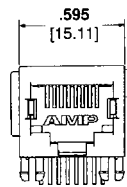
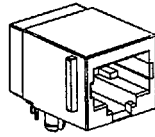
**Shield** - .010 [0.25] copper alloy tin-lead plated

**Technical Documents**

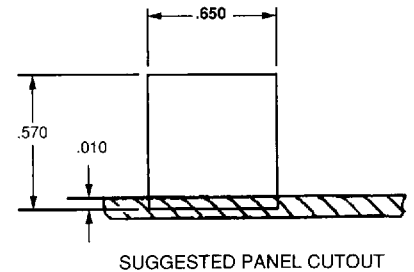
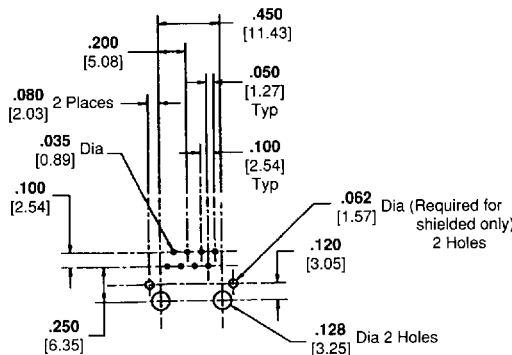
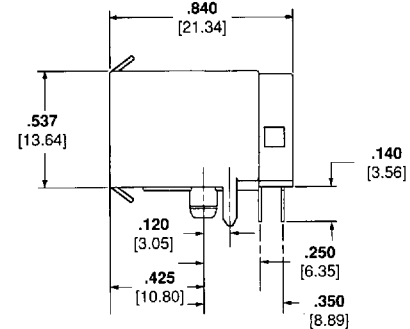
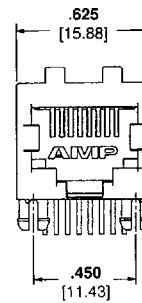
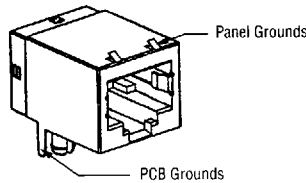
Application Specifications  
114-02048

**Printed Circuit Board Modular Jacks (Continued)**

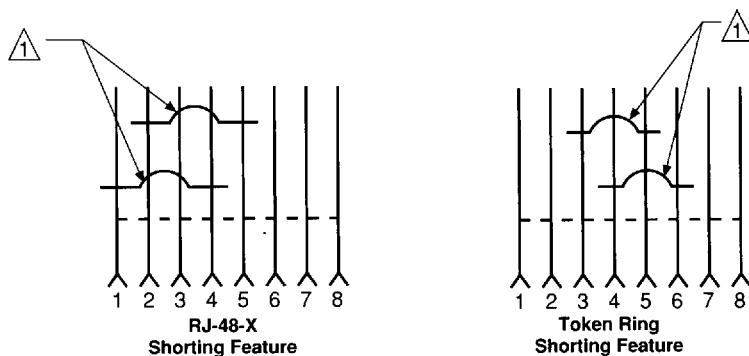
**Side Entry shown with Panel Stops**



**Side Entry Shielded shown with Panel Grounds**



SUGGESTED PC BOARD LAYOUT - Component Side Down



⚠ Short is removed by insertion of modular plug.

| Description                    | No. of Positions | Shorting Configuration | Jack Part Number |                     |                       |
|--------------------------------|------------------|------------------------|------------------|---------------------|-----------------------|
|                                |                  |                        | Unshielded       | Shielded PCB Ground | Shielded Panel Ground |
| 8-Position RJ-48-X Shorting    | 8                | 1 to 4 & 2 to 5        | 557788-1         | 557789-1            | 557791-1              |
| 8-Position Token Ring Shorting | 8                | 3 to 5 & 4 to 6        | 557812-1         | 557813-1            | —                     |