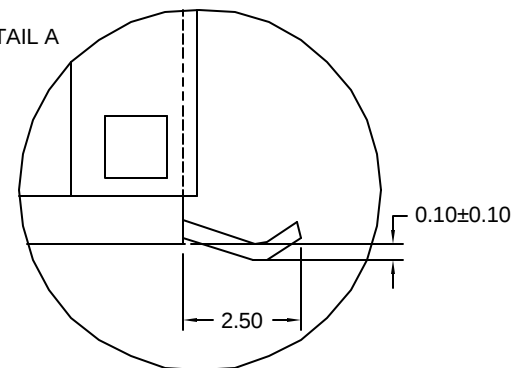
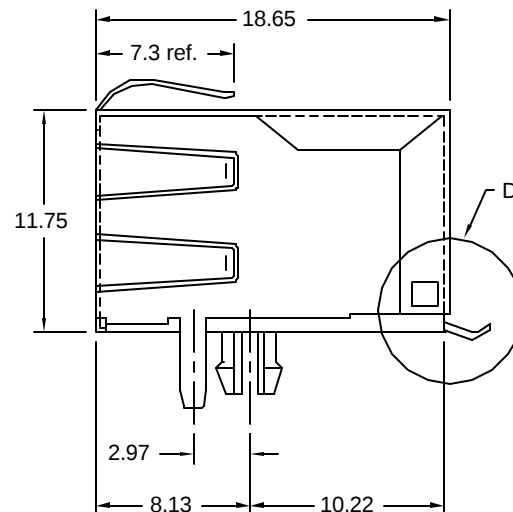
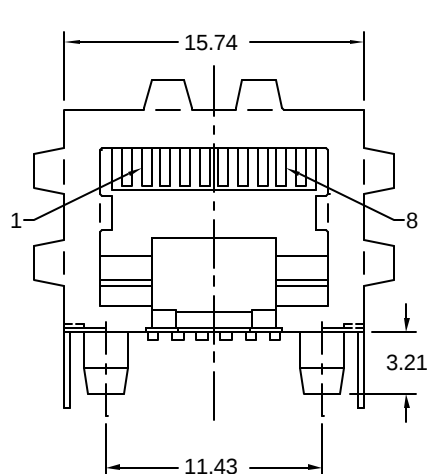
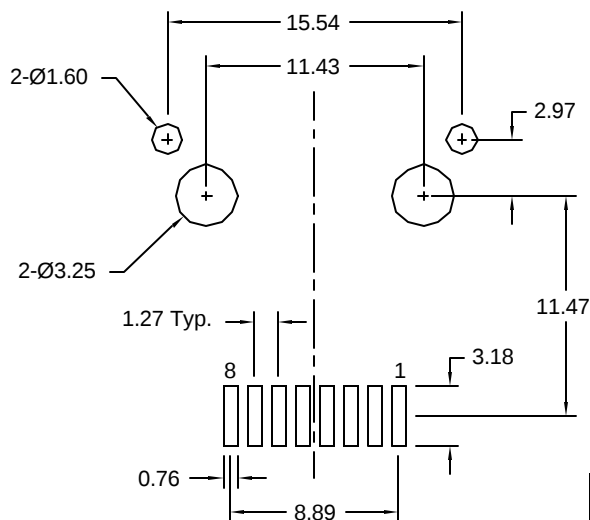
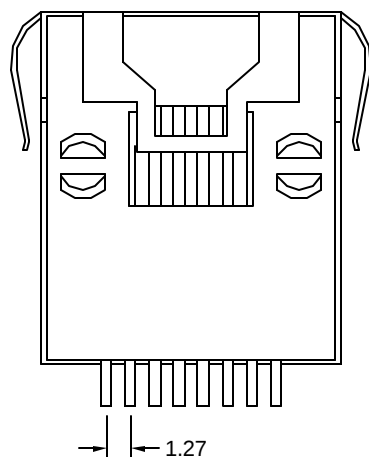




DETAIL A

Recommended PCB Layout  
(top view)



### Electrical Performance

Category 5 100MHz Bandwidth Performance  
Attenuation @ 100MHz less than 0.13dB  
Performance meets near end crosstalk (NEXT)  
Requirements of -40dB @ 100MHz per  
EIA/TIA 568A in applications where UL  
Approved Category 5 cable (GA27-3773-1)  
is used

Shielded types offer 20dB shielding from  
30MHz to 300MHz

Operating Temperature  
-40°C to +85°C

Reflow Temperature  
230°C for 30 seconds, 260°C max.

| Part Number        | t <sub>gold</sub> | Packaging |
|--------------------|-------------------|-----------|
| GM-SMT2-S7-88      | Flash             | Bulk      |
| GM-SMT2-S7-88-50   | 50u"              | Bulk      |
| GM-SMT2-S7-88TR    | Flash             | Tape&Reel |
| GM-SMT2-S7-88-50TR | 50u"              | Tape&Reel |

### Materials and Finish

Housing Material-  
High Temp Thermoplastic  
(Reflow Compatible)  
UL 94V-0 Rated  
Color: Black

Shield Material-  
Copper Alloy, 0.25mm thick  
Nickel Plated 90u" min.

Design meets UL 1863 Sec. 8  
Electrical Probe and Sec. 20  
Child Finger test requirements

Contact Material-  
Phosphor Bronze

Contact Plating Options-  
Standard: 0.0001" Nickel  
Plating, Selective Plating  
0.000015" Gold on Contact  
Area, Tin/Lead on Termination End

50: 0.0001" Nickel Plating,  
Selective Plating 0.000050"  
Gold on Contact Area to  
Comply with FCC Requirements  
Under No. 47 C.F.R. Part 68,  
Subpart F, Tin/Lead on  
Termination End

### Electrical Characteristics

Insulation Resistance-  
500 Megohms Min.

Dielectric Withstanding Voltage-  
1000V rms, 60Hz

Contact Resistance-  
20 milliohms Max.

Current Rating-  
1.5 Amps

Oxygen Index- 36%

Poly mass- 2.4 g

Durability Rating-  
1000 mating cycles min.



| Tolerances                 |
|----------------------------|
| X.X ± 0.25                 |
| X.XX ± 0.15                |
| Unless Stated<br>Otherwise |

| REVISION | DATE    | DESCRIPTION      | DRAWN BY   | REV CHECK BY   | UNITS   |
|----------|---------|------------------|------------|----------------|---------|
| B3       | 3/21/02 | ref. ECO #02-038 | E. Cruz    | C. Leiva       | mm      |
| C1       | 7/15/02 | ref. ECO #02-072 | REVISED BY | REV CHECK DATE | DATE    |
| C2       | 1/29/04 | ECO #04-007      | H. MA      | 2/2/04         | 2/23/01 |

GM-SMT2-S7-88

Right Angle Modular Jack, Shielded

8 position, 8 contacts, Surface Mount



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