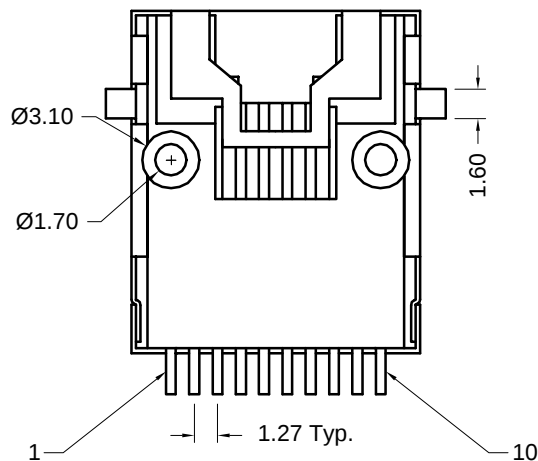
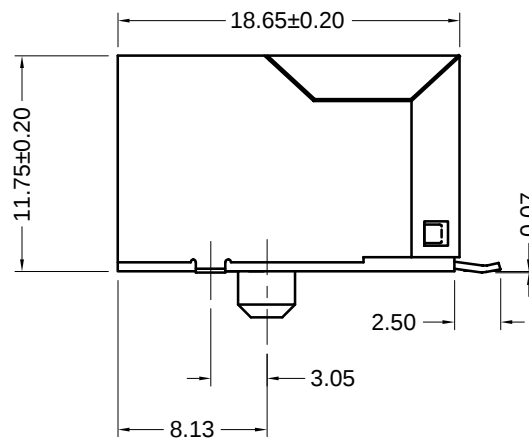
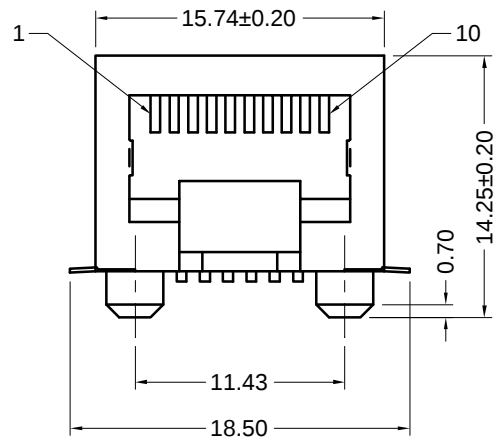
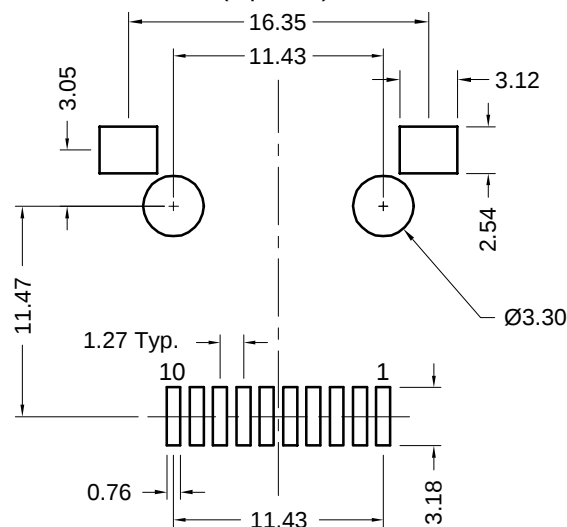




### Recommended PCB Layout (top view)



### 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

CSA Certified File No. LR78160  
UL Recognized File No. E134345

### Materials and Finish

Housing Material:  
high temp. thermoplastic,  
(reflow process compatible)  
UL 94V-0 rated, black color

Oxygen Index- 36%

Poly mass- 2.4 g

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

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

Shield Material:  
copper alloy, 0.20mm thick,  
nickel plated 90u" min,

Contact Material: phosphor bronze

Contact Plating Options:  
Standard: 0.0001" Nickel  
Plating, Selective Plating  
Gold Flash 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

Durability Rating:  
1000 mating cycles min.

Operating Temperature:  
-40°C to +85°C

| Part Number        | t_gold | Packaging   |
|--------------------|--------|-------------|
| GM-SMT2-S2-1010    | Flash  | Tray        |
| GM-SMT2-S2-1010-50 | 50u"   | Tray        |
| GM-SMT2-S2-1010-TR | Flash  | Tape & Reel |
| GM-SMT2-S2-10-50TR | 50u"   | Tape & Reel |

| REVISION | DATE    | DESCRIPTION    | DRAWN BY   | CHECKED BY  | UNITS   | GM-SMT2-S2-1010 | Right Angle Modular Jack, Shielded<br>10 position, 10 contacts, Surface Mount |  |
|----------|---------|----------------|------------|-------------|---------|-----------------|-------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| C6       | 3/20/02 | Ref ECD 01-199 | C. Leiva   |             | mm      |                 |                                                                               |                                                                                       |
| C7       | 6/4/02  | Ref ECD 02-038 | REVISED BY | APPROVED BY | DATE    |                 |                                                                               |                                                                                       |
| D1       | 7/15/02 | Ref ECD 02-072 | C. Leiva   |             | 9/23/97 |                 |                                                                               |                                                                                       |

| Tolerances                 |
|----------------------------|
| X.X ± 0.2                  |
| X.XX ± 0.10                |
| Unless Stated<br>Otherwise |

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Authorized Distributor

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[GM-SMT2-S2-1010-TR](#) [GM-SMT2-S2-1010](#) [GM-SMT2-S2-1010-50](#)