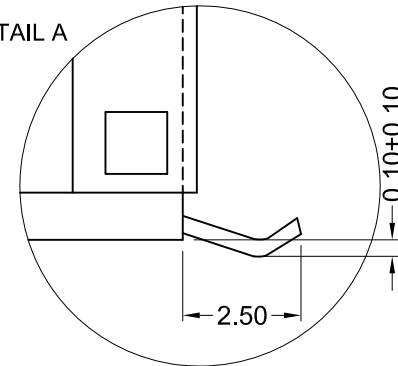
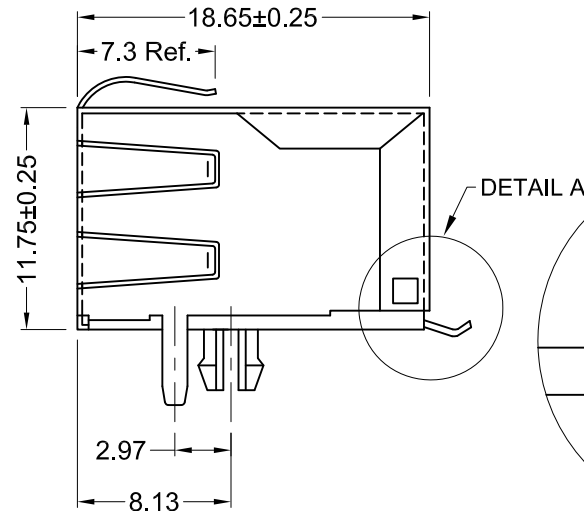
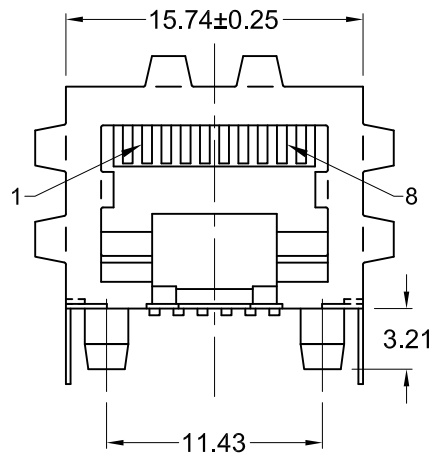
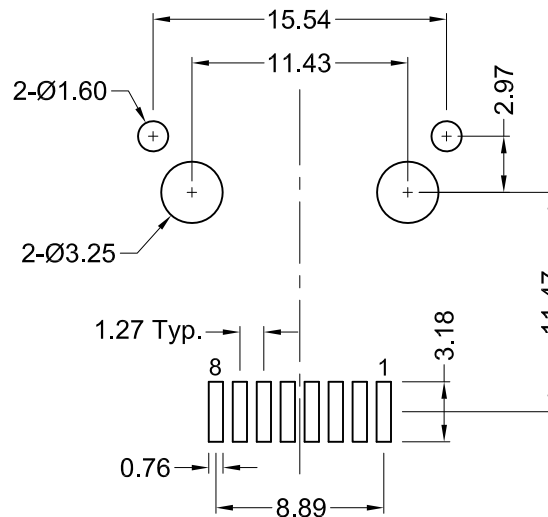
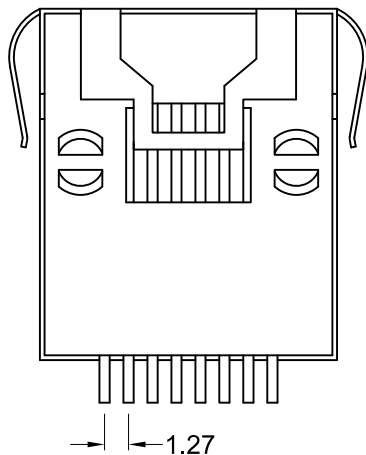




DETAIL A

Recommended PCB Layout  
(top view)

| Part Number        | Plating | Packaging |
|--------------------|---------|-----------|
| GMX-SMT2-S7-88     | Flash   | Bulk      |
| GMX-SMT2-S7-88-50  | 50u"    | Bulk      |
| GMX-SMT2-S7-88-TR  | Flash   | Tape&Reel |
| GMX-SMT2-S7-8850TR | 50u"    | Tape&Reel |

**Materials and Finish**

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

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  
Gold Flash on Contact  
Area, Tin 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 on Termination End

**Electrical Characteristics**

Current Rating: 1.0 Amps

Current Voltage: 125V DC

Insulation Resistance:  
500 Megohms min.

Dielectric Withstanding Voltage:  
1000V rms, 60Hz

Contact Resistance:  
20 milliohms max.

Durability Rating:  
1000 mating cycles min.

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

**Electrical Performance**

Category 5 100MHz Bandwidth Performance  
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

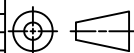
RoHS COMPLIANT

UL  
E134345

UL  
LR78160

Tolerances  
X.X ± 0.25  
X.XX ± 0.15  
Unless Stated  
Otherwise

| REV. | DATE     | DESCRIPTION | REV. BY    | CHK. BY     | DRAWN BY   | DATE     |
|------|----------|-------------|------------|-------------|------------|----------|
| A1   | 07/14/05 | New Drawing | R. Aguirre | H. MA       | R. Aguirre | 05/24/05 |
| A2   | 03/06/08 | ECO #08-030 | R. Aguirre | H. MA       |            |          |
| A3   | 04/27/10 | ECO #10-020 | S. Vien    | H. MA       |            |          |
| A4   | 08/20/12 | ECO #12-027 | S. Vien    | P. DalCanto |            |          |
| A5   | 11/06/13 | ECO #13-084 | W. Cook    | H. MA       |            |          |
| A6   | 06/04/15 | ECO #15-001 | H. MA      | C. Furumasu |            |          |



GMX-SMT2-S7-88

Right Angle Modular Jack, RoHS Compliant

8 contacts, Surface Mount, Shielded

