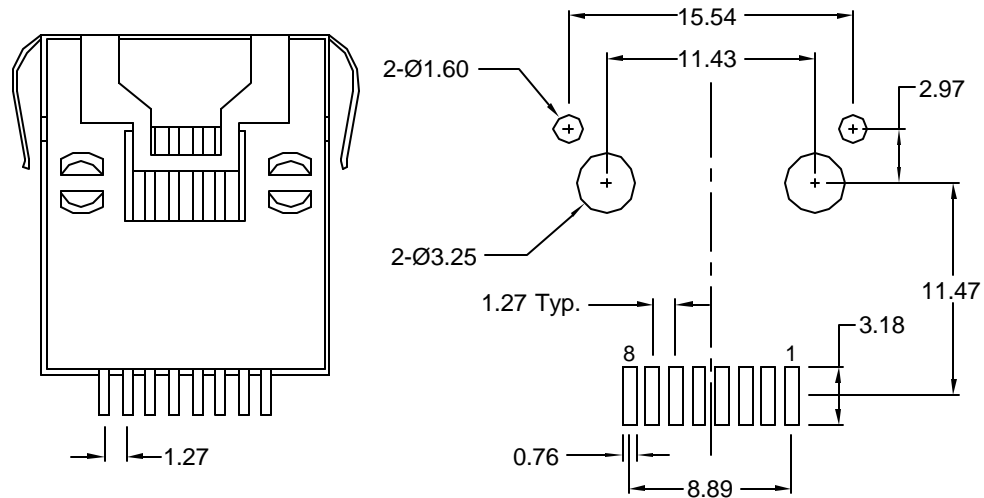


Recommended PCB Layout (top view)



**DETAIL A**

**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.

**Materials and Finish**

Housing Material- High Temp Thermoplastic (Reflow Compatible) UL 94V-0 Rated  
 Color: Black  
 Shield Material- Brass, Nickel plated  
 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 0.00015" Gold 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**

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.

Part Number	t_gold	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



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

REV.	DATE	DESCRIPTION	REV. BY	CHK. BY	DRAWN BY	DATE
A1	7/14/05	New Drawing	R. Aguirre	H. MA	R. Aguirre	05/24/05

**GMX-SMT2-S7-88**

Right Angle Modular Jack, RoHS Compliant  
 8 contacts, Surface Mount, Shielded

