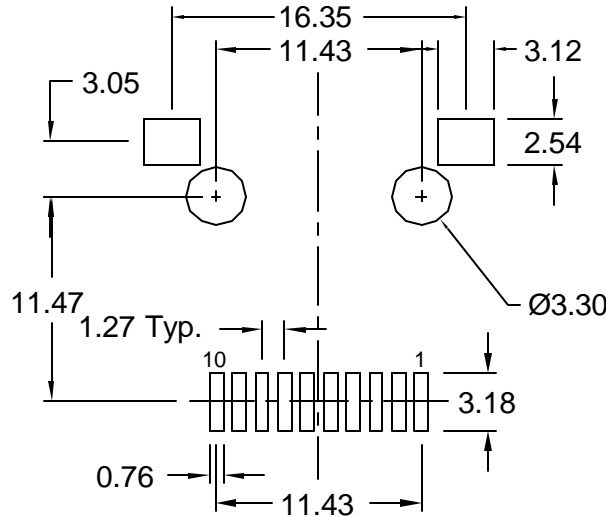


Recommended PCB Layout  
(top view)



**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 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

Durability Rating:  
1000 mating cycles min.

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

**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

Part Number	Plating	Packaging
GMX-SMT2-S2-1010	Flash	Tray
GMX-SMT2-S2-101050	50u"	Tray
GMX-SMT2-S2-1010TR	Flash	Tape & Reel
GMX-SMT2S2101050TR	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	07/14/05	New Drawing	R. Aguirre	H. MA	R. Aguirre	07/01/05

**GMX-SMT2-S2-1010**

UNITS  
mm

Right Angle Modular Jack, Shielded, RoHS Compliant  
10 position, 10 contacts, Surface Mount

