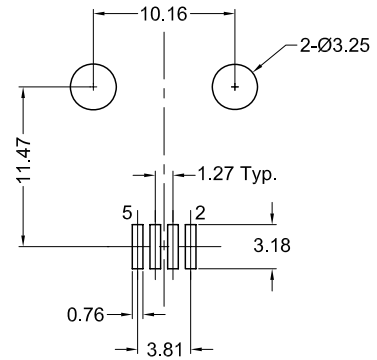


Recommended PCB Layout (Top View)



**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

Part Number	Gold Plating	Packaging
GMX-SMT2-N-64	Flash	Bulk
GMX-SMT2-N-64-50	50u"	Bulk
GMX-SMT2-N-64-TR	Flash	Tape & Reel
GMX-SMT2-N-64-50TR	50u"	Tape & Reel

RoHS COMPLIANT  
EU Directive 2002/95/EC

Tolerances  
X.X ± 0.38  
X.XX ± 0.25  
Unless Stated  
Otherwise

REV.	DATE	DESCRIPTION	REV. BY	CHK. BY	DRAWN BY	DATE
A1	6/30/05	New Drawing	R. Aguirre	H. MA	R. Aguirre	05/23/05
A2	04/27/10	ECO #10-020	S. Vlen	H. MA		
A3	12/08/10	ECO #10-088	S. Vlen	H. MA		

**GMX-SMT2-N-64**

UNITS  
mm

Right Angle Modular Jack, RoHS Compliant  
6 Position, 4 Contacts, Surface Mount

