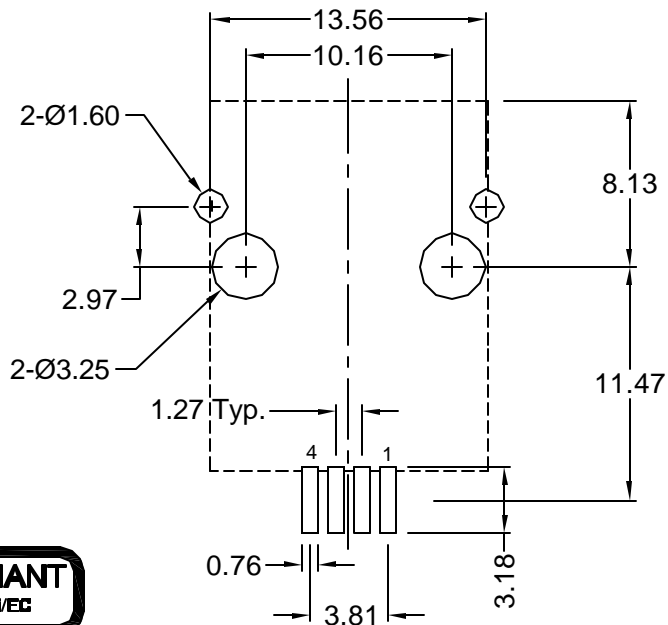


Recommended PCB Layout  
(Top View)



**RoHS COMPLIANT**  
EU Directive 2002/95/EC

Part Number	Contact Area Plating Finish
GMX-SMT2-S-64	15u" Gold (standard)
GMX-SMT2-S-64-50	50u" Gold (50 option)

**Materials and Finish**

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

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:  
Brass, Nickel plated

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

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



REV.	DATE	DESCRIPTION	REV. BY	CHK. BY	DRAWN BY	DATE
A1	11/30/05	New Drawing	H. MA	C. Furumasu	H. MA	11/30/05

**GMX-SMT2-S-64**

Right Angle Modular Jack, Shielded, RoHS Compliant

6 position, 4 contacts, Surface Mount

