



Recommended PCB Layout  
(Top View)

Part Number	Contact Area Plating Finish
GMX-N-44	15u" Gold (standard)
GMX-N-44-50	50u" Gold (-50 option)

### Materials and Finish

Housing Material-  
PBT Thermoplastic  
UL 94V-0 Rated  
Color: Black

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  
0.000015" Gold on Contact  
Area, Gold on Entire Contact

-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, Gold on Entire Contact

### Electrical Characteristics

Current Rating-  
1.5 Amps

Voltage Rating-  
125V DC

Insulation Resistance-  
500 Megohms min.

Dielectric Withstanding Voltage-  
1000V rms, 60Hz

Contact Resistance-  
20 milliohms max.

Operating Temperature-  
-40°C to +80°C

Durability Rating-  
500 mating cycles min.



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

REV.	DATE	DESCRIPTION	REV. BY	CHK. BY	DRAWN BY	DATE
A0	3/22/05	New Drawing	H. MA	C. Furumasu	H. MA	3/22/05
A1	7/15/05	Release Drawing	H. MA	N/A		
A2	05/13/10	ECO #10-025	S. Vien	H. MA		

**GMX-N-44**

Right Angle Modular Jack

4 position, 4 contacts, RoHS Compliant

