



Recommended PCB Layout  
(Top View)

Part Number	Contact Area Plating Finish
GMX-S-1010	Gold Flash (standard)
GMX-S-1010-50	50u" Gold (-50 option)

### Materials and Finish

Housing Material-  
PBT thermoplastic,  
UL 94V-0 rated, black color

Shield Material-  
copper alloy, 0.20mm thick,  
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  
underplating, selective plating  
Gold Flash on contact  
area, tin on termination end

50 Option: 0.0001" nickel  
underplating, 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-  
1.5 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
A1	7/6/05	New Drawing	R. Aguirre	H. MA	R. Aguirre	06/30/05
A2	05/13/10	ECO #10-025	S. Vien	H. MA		
A3	05/18/11	Add Durability Rating	S. Vien	H. MA		
A4	05/27/15	ECO#15-001	H. MA	C. Furumasu	UNITS	mm
A5	06/13/17	ECO#17-014	H. MA	C. Furumasu		

# GMX-S-1010

Right Angle Modular Jack, Shielded, RoHS Compliant

10 position, 10 contacts, through-hole

