



Recommended PCB Layout
(Top View)

Materials and Finish

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

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: 100u" Nickel Under-Plating,
Selective Gold Flash Plating on
Contact Area,
Tin on Termination End

50 Option: 100u" Nickel Under-Plating,
Selective 50u" Gold Plating 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.

Part Number	Contact Area Plating Finish
GMX-S-66	Gold Flash (standard)
GMX-S-66-50	50u" Gold (50 option)

Tolerances

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



REV.	DATE	DESCRIPTION	REV. BY	CHK. BY	DRAWN BY	DATE
A1	4/08/05	New Drawing	R. Aguirre	H. MA	R. Aguirre	4/8/05
A2	05/13/10	ECO #10-025	S. Vien	H. MA		
A3	05/27/15	ECO #15-001	H. MA	C. Furumasa	UNITS	mm
A4	06/13/17	ECO #17-014	H. MA	C. Furumasa		
A5	09/12/22	ECO #22-023	C. Kelleher	C. Furumasa		

GMX-S-66

Right Angle, Modular Jack, High Temp.

6 position, 6 contacts, RoHS Compliant

