



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

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
A2	04/27/10	ECO #10-020	S. Vien	H. MA		
A3	08/21/12	ECO #12-027	S. Vien	P. DalCanto		
A4	11/06/13	ECO #13-084	W. Cook	H. MA	UNITS	mm
A5	06/04/15	ECO #15-001	H. MA	C. Furumasu		
A6	06/13/17	ECO #17-014	H. MA	C. Furumasu		

GMX-SMT2-S-64

Right Angle Modular Jack, Shielded, RoHS Compliant

6 position, 4 contacts, Surface Mount

