



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

Ordering Information

Part Number	Contact Area Plating	Packaging
GMX-SMT2-S-88	Gold Flash (standard)	Bulk
GMX-SMT2-S-88-50	50u" Gold (50 option)	
GMX-SMT2-S-88-TR	Gold Flash (standard)	Tape & Reel
GMX-SMT2-S-8850TR	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
A0	1/21/05	New Drawing	H. MA	C. Leiva	H. MA	1/21/05
A1	4/14/05	Release Drawing	H. MA	N/A		
A2	09/10/08	Correct Durability Rating	S. Vien	H. MA		
A3	11/11/08	Correct part number	S. Vien	H. MA		
A4	04/27/10	ECO #10-020	S. Vien	H. MA		

GMX-SMT2-S-88

Right Angle Mod Jack, Shielded, , Surface Mount,

8 position, 8 contacts, RoHS Compliant

