



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
A2	09/10/08	Correct Durability Rating	S. Vien	H. MA	H. MA	1/21/05
A3	11/11/08	Correct part number	S. Vien	H. MA		
A4	04/27/10	ECO #10-020	S. Vien	H. MA		
A5	08/21/12	ECO #12-027	S. Vien	P. DalCanto	UNITS	mm
A6	11/06/13	ECO #13-084	W. Cook	H. MA		
A7	06/04/15	ECO #15-001	H. MA	C. Furumasu		

**GMX-SMT2-S-88**

Right Angle Mod Jack, Shielded, , Surface Mount,

8 position, 8 contacts, RoHS Compliant

