



Recommended PCB Layout  
Component Side

**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	Plating	Packaging
GMX-SMT2-S6-88	Flash	Bulk
GMX-SMT2-S6-88-50	50u"	Bulk
GMX-SMT2-S6-88-TR	Flash	Tape & Reel
GMX-SMT2-S6-8850TR	50u"	Tape & Reel

**Electrical Performance**

Category 5 100MHz Bandwidth Performance  
Performance meets near end crosstalk (NEXT)  
Requirements of -40dB @ 100MHz per  
EIA/TIA 568A in applications where UL  
Approved Category 5 cable (GA27-3773-1)

Shielded types offer 20dB shielding from  
30MHz to 300MHz

Tolerances
X.X ± 0.25
X.XX ± 0.15
Unless Stated Otherwise



REV.	DATE	DESCRIPTION	REV. BY	CHK. BY	DRAWN BY	DATE
A3	04/27/10	ECO #10-020	S. Vien	H. MA	R. Aguirre	05/24/05
A4	07/30/10	ECO #10-054	S. Vien	H. MA		
A5	08/20/12	ECO #12-027	S. Vien	P. DalCanto		
A6	05/13/13	ECO #13-024	D. Gih	P. DalCanto	UNITS	mm
A7	11/06/13	ECO #13-084	W. Cook	H. MA		
A8	06/03/15	ECO #15-001	H. MA	C. Furumasu		

**GMX-SMT2-S6-88**

Modular Jack, Right Angle, Shielded with Tabs

RoHS Compliant, 8 position, 8 contacts, Surface Mount

