



Recommended PCB Layout
(Top View)

Materials and Finish

Housing Material: High Temperature Thermoplastic, UL 94V-0 Rated, Color: Black
 Shield: Copper Alloy, Nickel Plated
 Contact Material: Phosphor Bronze
 Design meets UL 1863 Sec. 8 Electrical Probe and Sec. 20 Child Finger Test Requirements

Plating Options:
 Standard: Nickel Underplating, Gold Flash Plating on Contact Area, Tin Plated on Solder Area
 50 Option: Nickel Underplating, Contact Area Plated with 50u" Gold to Comply with ANSI/TIA-1096-A, Tin Plated on Solder Area

Electrical Characteristics

Rated Current: 1.0A
 Rated Voltage: 125V DC
 Insulation Resistance: 500 Megohms Min.
 Contact Resistance: 20 milliohms Max.
 Dielectric Withstanding Voltage: 1000V AC for 1 Minute

Mechanical Characteristics

Durability Rating: 1000 Mating Cycles Min.
 Operating Temperature: -40°C to +85°C

Part Number	Plating	Packaging
GMX-SMT2-S2-66	Flash	Bulk
GMX-SMT2-S2-66-50	50u"	Bulk
GMX-SMT2-S2-66-TR	Flash	Tape & Reel
GMX-SMT2-S2-6650TR	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) is used
 Shielded types offer 20dB shielding from 30MHz to 300MHz

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



REV.	DATE	DESCRIPTION	REV. BY	CHK. BY	DRAWN BY	DATE
A1	09/11/13	New Drawing	D. Gih	P. DalCanto	D. Gih	09/10/13
A2	11/06/13	ECO #13-084	W. Cook	H. MA		
A3	06/01/15	ECO #15-001	H. MA	C. Furumasu		

GMX-SMT2-S2-66

Right Angle Modular Jack, Shielded, RoHS Compliant

6 Position, 6 Contacts, Surface Mount

