



Recommended PCB Layout
Component Side

Part Number	t_gold	Packaging
GM-SMT2-S6-88	Flash	Bulk
GM-SMT2-S6-88-50	50u"	Bulk
GM-SMT2-S6-88-TR	Flash	Tape & Reel
GM-SMT2-S6-88-50TR	50u"	Tape & Reel

Materials and Finish

Housing Material:
high temp. thermoplastic,
(reflow process compatible)
UL 94V-0 rated, black color

Oxygen Index: 36%

Poly Mass: 2.4 g

Recommended Reflow Temperature:
230°C for 30 seconds,
260°C max.

Design meets UL 1863 Sec. 8
Electrical Probe and Sec. 20
Child Finger test requirements

Shield Material:
copper alloy, 0.20mm thick,
nickel plated 90u" min.

Contact Material: phosphor bronze

Contact Plating Options:
Standard: 0.0001" Nickel
Plating, Selective Plating
Gold Flash on Contact
Area, Tin/Lead 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/Lead on
Termination End

Electrical Characteristics

Insulation Resistance:
500 Megohms min.

Dielectric Withstanding Voltage:
1000V rms, 60Hz

Contact Resistance:
20 milliohms max.

Current Rating: 1.5 Amps

Durability Rating:
1000 mating cycles min.

Operating Temperature:
-40°C to +85°C

Electrical Performance

Category 5 100MHz Bandwidth Performance
Attenuation @ 100MHz less than 0.13dB
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 ± 0.25	Unless Stated Otherwise
X.XX ± 0.15	

REVISION	DATE	DESCRIPTION	DRAWN BY	CHECKED BY	UNITS
A3	3/21/02	ECD 01-199	E. Cruz	C. Leiva	mm
A4	6/5/02	ECD 02-038	REVISED BY	DESIGNED BY	DATE
B1	7/15/02	ECD 02-072	C. Leiva	K. Wallace	2/22/01

GM-SMT2-S6-88

Modular Jack, Right Angle, Shielded with Tabs

8 position, 8 contacts, Surface Mount

