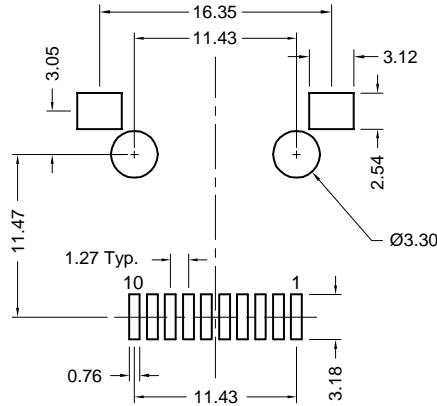


Recommended PCB Layout
(top view)



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

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

Tolerances
X.X ± 0.2
X.XX ± 0.10
Unless Stated Otherwise

Part Number	t_gold	Packaging
GM-SMT2-S2-1010	Flash	Tray
GM-SMT2-S2-1010-50	50u"	Tray
GM-SMT2-S2-1010-TR	Flash	Tape & Reel
GM-SMT2-S2-10-50TR	50u"	Tape & Reel

REVISION	DATE	DESCRIPTION	DRAWN BY	CHECKED BY	UNITS
C6	3/20/02	Ref ECD 01-199	C. Leiva		mm
C7	6/4/02	Ref ECD 02-038	REVISED BY	APPROVED BY	DATE
D1	7/15/02	Ref ECD 02-072	C. Leiva		9/23/97

GM-SMT2-S2-1010

Right Angle Modular Jack, Shielded
10 position, 10 contacts, Surface Mount

