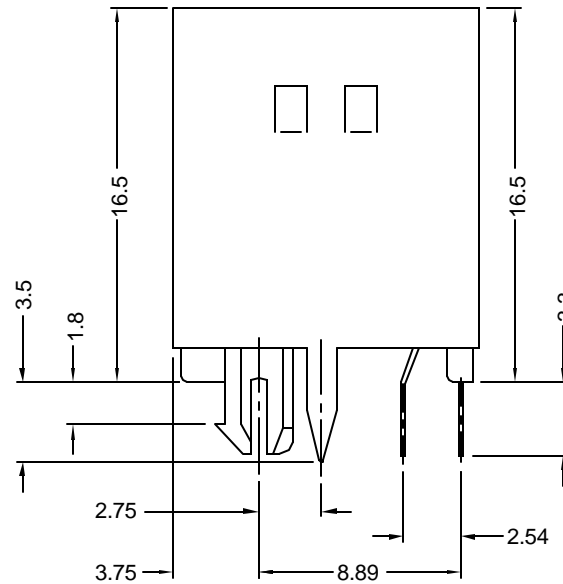
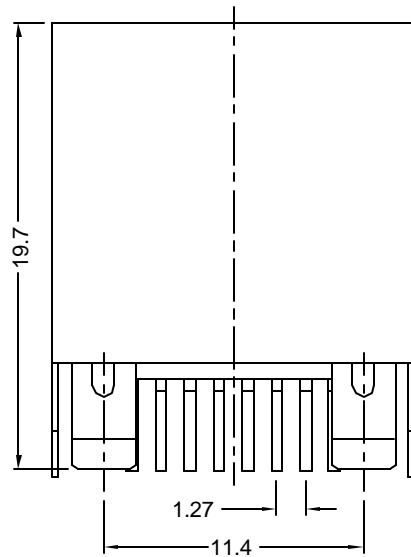


Recommended PCB Layout
(Top View)



Part Number	Contact Area Plating Finish
GDT-S-88	Gold Flash (standard)
GDT-S-88-50	50u" Gold (50 option)

Materials and Finish

Housing Material- PBT, 30% Glass-Filled, UL 94V-0 Rated, Color: Gray

Shield: 0.25mm thick
Copper alloy, Nickel plated

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 Underplating,
Selectively Plated Gold Flash
on Contact Area, Tin/Lead
on Termination End

50 Option: 0.0001" Nickel Underplating,
Selectively Plated 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 For 1 Minute

Contact Resistance- 20 milliohms Max.

Current Rating- 1.5 Amps

Operating Temperature- -40°C to +85°C

Durability Rating- 500 mating cycles min.

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
X.XX ± 0.15
Unless Stated Otherwise

REVISION	DATE	DESCRIPTION	DRAWN BY	CHECKED BY	UNITS
A1	8/15/01	rev. ground pin location, board lock pin lock tail location, mating face height	M. Yiu	C. Leiva	mm
A2	11/28/01	Release DWG	REVISED BY	APPROVED BY	DATE
A3	12/11/01	REF ECD 01-239	M. Yiu		8/02/01

GDT-S-88

Vertical Modular Jack

B position, 8 contacts, Through Hole

