



Recommended PCB Layout
(Top View)

Material and Finish

Housing: PBT thermoplastic,
UL94V-0 rated

Shield: 0.25mm thick brass,
nickel plated

Contact Material: phosphor bronze

Contact Plating Options:

Standard: gold flash plate over
nickel at contact area,
tin plating over nickel at solder area

50 option: 50u" gold on contact
area, to comply with FCC
requirements under #47
C.F.R. Part 68,
Subpart F
tin plating over nickel at solder area

Electrical Characteristics

Current Rating:
1.5 Amps

Voltage Rating:
125V DC

Insulation Resistance:
500 Megohms Min.

Dielectric Withstanding Voltage:
1000V rms, 60Hz

Contact Resistance:
20 milliohms Max.

Durability Rating:
500 Mating Cycles Min.

Operating Temperature:
-40°C to +85°C

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

Ordering Information

Part Number	Contact Area Plating Finish
GSGX-NS7-488-457	Gold Flash (standard option)
GSGX-NS7-488-45750	50u" Gold (50 option)



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

REV.	DATE	DESCRIPTION	REV. BY	CHK. BY	DRAWN BY	DATE
A1	03/23/06	New Drawing	R. Aguirre	H. MA	R. Aguirre	03/23/06
A2	3/4/08	ECO #08-030	R. Aguirre	H. MA		
A3	05/13/10	ECO #10-025	S. Vien	H. MA		
A4	12/11/13	ECO #13-090	D. Gih	H. MA		
A5	06/26/15	ECO #15-001	H. MA	C. Furumasu		

GSGX-NS7-488-457

Mod jack, 4 Port Ganged-Jack, RoHS Compliant

8 Position/8 Contact w/4.57 Grd Pin Spc

