



Recommended PCB Layout  
(Top View)

**Materials and Finish**

Insulator: PBT thermoplastic with glass-fiber reinforcement, UL94V-0 rated  
Color: Black

Contact Material: Phosphor Bronze

Contact Plating Options:  
Standard: 0.0001" nickel underplating, selectively plated  
Gold Flash on contact area, tin on soldertails

50 Option: 0.0001" nickel underplating, selectively plated  
0.000050" gold on contact area, tin on soldertails

Shield: Brass Nickel Plated

**Electrical Characteristics**

- Insulation Resistance: 500 Megohms min.
- Voltage Rating: 150V AC
- 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  
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

Part Number	Contact Area Plating Finish
GWGX-S1-4-88	Gold Flash (standard)
GWGX-S1-4-88-50	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
A0	02/25/09	New Drawing	S. Vien	H. MA	S. Vien	02/20/09
A1	04/26/10	ECO #10-021	S. Vien	H. MA		
A2	12/10/12	ECO #12-062	S. Vien	P. DalCanto		
A3	10/22/13	Release Drawing	W. Cook	H. MA	UNITS	mm
A4	07/24/15	ECO#15-001	H. MA	C. Furumasu		
A5	06/15/17	ECO#17-014	H. MA	C. Furumasu		

**GWGX-S1-4-88**

Modular Jack, 4-Port, RoHS Compliant

8P8C, Shielded, With Top & Side Tabs

