



Material and Finish

Body: PBT, glass filled
 UL94V-0 rated
 color: black

Shield: 0.25mm thick
 Copper alloy,
 Nickel plated
 90 microinch

Contact: Phosphor Bronze
 Nickel underplate on entire
 contact, tin on termination end

Gold plating options on
 contact area:
 Standard: Gold flash
 30 option: 30u" gold
 50 option: 50u" gold
 to comply with FCC
 requirements under #47
 C.F.R. Part 68,
 Subpart F

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:
 500 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 |
| X.XX ± 0.15 |
| Unless Stated Otherwise |

| Dimensions mm | | | | | | | |
|--------------------|--------|--------|--------|------|---------------------|------------|--------------------|
| Part Number | A | B | C | D | Gold Plating Option | # of Ports | Style of Board Peg |
| GSGX-NS2-288-368 | 31.12 | 25.40 | 30.87 | 3.68 | Standard | 2 | snap-in |
| GSGX-NS2-288-457 | 31.12 | 25.40 | 30.87 | 4.57 | | | |
| GSGX-NS2-288-36850 | 31.12 | 25.40 | 30.87 | 3.68 | 50 | | |
| GSGX-NS2-288-45750 | 31.12 | 25.40 | 30.87 | 4.57 | Standard | 4 | |
| GSGX-NS2-488-368 | 59.03 | 53.34 | 58.81 | 3.68 | | | |
| GSGX-NS2-488-457 | 59.03 | 53.34 | 58.81 | 4.57 | 50 | 5 | |
| GSGX-NS2-488-36850 | 59.03 | 53.34 | 58.81 | 3.68 | | | |
| GSGX-NS2-488-45750 | 59.03 | 53.34 | 58.81 | 4.57 | Standard | 6 | |
| GSGX-NS2-588-368 | 73.03 | 67.31 | 72.78 | 3.68 | | | |
| GSGX-NS2-588-457 | 73.03 | 67.31 | 72.78 | 4.57 | 50 | 8 | |
| GSGX-NS2-588-36850 | 73.03 | 67.31 | 72.78 | 3.68 | | | |
| GSGX-NS2-588-45750 | 73.03 | 67.31 | 72.78 | 4.57 | Standard | 8 | |
| GSGX-NS2-688-368 | 87.00 | 81.28 | 86.75 | 3.68 | | | |
| GSGX-NS2-688-457 | 87.00 | 81.28 | 86.75 | 4.57 | 50 | 8 | |
| GSGX-NS2-688-36850 | 87.00 | 81.28 | 86.75 | 3.68 | | | |
| GSGX-NS2-688-45750 | 87.00 | 81.28 | 86.75 | 4.57 | Standard | 8 | |
| GSGX-NS2-888-368 | 114.94 | 109.22 | 114.69 | 3.68 | | | |
| GSGX-NS2-888-457 | 114.94 | 109.22 | 114.69 | 4.57 | 50 | 8 | |
| GSGX-NS2-888-36850 | 114.94 | 109.22 | 114.69 | 3.68 | | | |
| GSGX-NS2-888-45750 | 114.94 | 109.22 | 114.69 | 4.57 | | | |

| REV. | DATE | DESCRIPTION | REV. BY | CHK. BY | DRAWN BY | DATE |
|------|----------|-------------|------------|---------|------------|----------|
| A1 | 07/06/05 | New Drawing | R. Aguirre | H. MA | R. Aguirre | 07/05/05 |
| | | | | | | |
| | | | | | | |

GSGX-NS2-x88-y
 x = Number of ports
 y = Ground pin spacing

Shielded gang-jack, RoHS Compliant
8 position/ 8 contacts per port

