

Recommended PCB Layout  
(Top View)

| Part Number | Contact Area Plating Finish |
|-------------|-----------------------------|
| GMX-N-66    | Gold Flash (standard)       |
| GMX-N-66-50 | 50u" Gold (50 option)       |

**Materials and Finish**

Housing Material-  
PBT thermoplastic  
UL 94V-0 Rated  
Color: black

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, plating finish  
Gold Flash on entire contact

-50 Option: 0.0001" nickel  
underplating, 0.000050"  
gold on entire contact, to  
comply with FCC requirements  
under No. 47 C.F.R. Part 68,  
Subpart F

**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.

Operating Temperature-  
-40°C to +80°C

Durability Rating-  
500 mating cycles min.

**Tolerances**

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

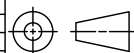


| REV. | DATE     | DESCRIPTION | REV. BY    | CHK. BY     | DRAWN BY   | DATE    |
|------|----------|-------------|------------|-------------|------------|---------|
| A1   | 05/03/05 | New Drawing | R. Aguirre | H. MA       | R. Aguirre | 5/03/05 |
| A2   | 05/13/10 | ECO #10-025 | S. Vien    | H. MA       |            |         |
| A3   | 12/12/13 | ECO #13-091 | D. Gih     | H. MA       |            |         |
| A4   | 03/09/17 | ECO #17-005 | G. Serrato | W. Cook     |            |         |
| A5   | 06/12/17 | ECO #17-014 | H. MA      | C. Furumasu |            |         |

**GMX-N-66-xx**

Right Angle Modular Jack

6P6C, RoHS Compliant



UNITS  
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