



Recommended PCB Layout  
(Top View)

## 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  
Plating, Selective Plating  
0.000015" Gold on Contact  
Area, Gold on Entire Contact

50 Option: 0.0001" Nickel Plating,  
Selective Plating 0.000050"  
Gold on Contact Area to  
Comply with FCC Requirements  
Under No. 47 C.F.R. Part 68,  
Subpart F, Gold on Entire Contact

## Electrical Characteristics

Insulation Resistance-  
500 Megohms min.

Dielectric Withstanding Voltage-  
1000V rms, 60Hz

Contact Resistance-  
20 milliohms max.

Current Rating-  
1.5 Amps

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

Durability Rating-  
500 mating cycles min.

Part Number	Contact Area Plating Finish
GM-N-64	15u" Gold (standard)
GM-N-64-50	50u" Gold (50 option)

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

CSA Certified File No. LR78160  
UL Recognized File No. E134345

REVISION	DATE	DESCRIPTION	DRAWN BY	REV CHECK BY	UNITS
B1	4/24/01	ECD 01-056	C. Leiva	H. MA	mm [in]
B2	3/28/03	ECD 03-011	REVISION BY	CHECK DATE	DATE
C1	9/24/03	ECD 03-048	C. Leiva	9/25/03	3/13/98

GM-N-64

Right Angle Modular Jack

6 position, 4 contacts



# Mouser Electronics

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