

Recommended PCB Layout  
(Bottom View)

**Material and Finish**

Body: PBT Thermoplastic,  
UL94V-0 Rated, Black

Contacts: Phosphor Bronze

Contact Plating: Gold Flash  
on Contacts, Tin on  
Terminations with  
Nickel under plated

Shield: Brass,  
Tin Plated

**Electrical Characteristics**

Contact Resistance:

Before Test:  
Plug to Terminals: 30 Milliohms Max.

After Test:  
Plug to Terminals: 60 Milliohms Max.

Insulation Resistance:  
500 Megohms Min.

Dielectric Withstanding Voltage:  
500V AC RMS For 1 Minute

Current Rating:  
1 Amp at 12V DC

**Mechanical Characteristics**

Durability Test: 500 Cycles Min.

Insertion Force: 0.4kg - 3.5kg

Extraction Force: 0.4kg - 3.5kg

Operating Temperature: -25°C to +85°C

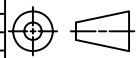
Tolerances
X.X ± 0.25
X.XX ± 0.15
Unless Stated Otherwise



REV.	DATE	DESCRIPTION	REV. BY	CHK. BY	DRAWN BY	DATE
A1	9/6/05	New Drawing	R. Aguirre	H. MA	R. Aguirre	8/02/05
B1	6/11/07	ECO #07-14	A. Frederick	H. MA		

**KMDGX-4S/4S-S4N**

Stacked Mini-Din, 4/4, RoHS Compliant  
Fully Shielded, Gold Contacts



UNITS  
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