



Recommended PCB Layout  
(Bottom View)

## Material and Finish

Body: PBT Thermoplastic,  
UL94V-0 Rated, Black

Contacts: Copper Alloy

Contact Plating:  
Gold Flash on Contact Area  
Tin on Termination,  
Both over Nickel underplate

Shield: Brass, Nickel Plated

## Electrical Characteristics

Contact Resistance:  
Before Durability Test:  
Plug to Terminals: 30 Milliohms Max.  
After Durability Test:  
Plug to Terminals: 60 Milliohms Max.

Insulation Resistance:  
500 Megohms Min.

Dielectric Withstanding Voltage:  
500V AC RMS For 1 Minute

Contact Current Rating:  
2A at 12V DC

## Mechanical Characteristics

Durability Test: 500 Cycles Min. with test plug

Insertion Force: 4.5kg max.

Extraction Force: 0.5kg - 4.5kg

Operating Temperature: -25°C to +85°C

### Tolerances

X.X ± 0.3  
X.XX ± 0.15  
Unless Stated  
Otherwise



REV.	DATE	DESCRIPTION	REV. BY	CHK. BY	DRAWN BY	DATE
A0	9/23/05	New Drawing	R. Aguirre	H. MA	R. Aguirre	9/23/05
A1	2/23/06	New Drawing	H. MA	N/A		
A2	12/08/08	ECO# 08-090	S. Vien	H. MA		
A3	09/30/09	Add Dimension	S. Vien	H. MA		
A4	09/23/10	ECO #10-064	S. Vien	H. MA		
A5	05/27/11	ECO #11-020	S. Vien	H. MA		

KMDGX-10S-BS

10 Pos. Mini-DIN, Fully Shielded, RoHS Compliant

Center Board Lock, Gold Flash Contacts



# Mouser Electronics

Authorized Distributor

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