



Recommended PCB Layout
(Bottom View)

Material and Finish

Body: PBT Thermoplastic,
Color: Black

Contact Material: Copper Alloy

Contact Plating:

Standard- Gold Flash on,
Contact Area Tin on Termination,
Both over Nickel underplate

Shield: Brass,
Nickel Plated

Electrical Characteristics

Contact Resistance:

Before Test:
Plug to Terminals: 30 Milliohms Max.

After Test:
Plug to Terminals: 60 Milliohms Max.

Insulation Resistance:

100 Megohms Min.

Dielectric Withstanding Voltage:

500V AC RMS For 1 Minute

Current Rating:

2A at 12V DC

Mechanical Characteristics

Durability Test: 1000 Cycles

Insertion Force: 3.0kg max.

Extraction Force: 0.3kg - 3.0kg

Operating Temperature: -25°C to +80°C

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



REV.	DATE	DESCRIPTION	REV. BY	CHK. BY	DRAWN BY	DATE
A1	06/13/06	New Drawing	R. Aguirre	H. MA	R. Aguirre	08/02/05
A2	10/16/08	ECO # 08-085	S. Vien	H. MA		
B1	05/19/09	ECO #09-032	S. Vien	H. MA		
B2	09/23/10	ECO #10-064	S. Vien	H. MA		
B3	06/16/14	ECO #14-021	D. Gih	H. MA		UNITS
B4	03/05/18	ECO #18-013	J. Elbanna	H. MA		

KMDGX-9S-AS

9 pos. Mini-DIN, 4-Side Shielded, RoHS Compliant

Center Board Lock, Gold Flash Contacts

