



Recommended PCB Layout (Bottom View)

Part Number	Contact Area Plating Finish
KMDGX-6S/6S-S4N	Gold Flash (Standard)
KMDGX-6S/6S-S4N15	15u" Gold (15 Option)

Material and Finish

Body: PBT Thermoplastic, Black

Contacts: Copper

Contact Plating Options:

Standard: Gold Flash on Contacts, Tin on Termination Ends

15 Option- 15u" Gold on Contacts, 120u" Tin on Termination, all over 50u" min. Nickel

Shield: SPCC, 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:

2 A at 12V DC

Mechanical Characteristics

Durability Test: 500 Cycles Min.

Insertion Force: 0.4kg - 3.5kg

Extraction Force: 0.5kg - 4.5kg

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
B5	09/23/10	ECO #10-064	S. Vien	H. MA	H. MA	7/26/04
B6	07/18/11	ECO #11-020	S. Vien	H. MA		
B7	01/15/13	ECO #12-063	S. Vien	P.DalCanto		
B8	02/17/15	ECO #15-017	H. MA	C. Furumasu	UNITS	mm
B9	05/28/15	ECO #14-021	C. Kelleher	H. Ma		
B10	04/25/19	ECO #19-040	G. Serrato	D. Shehan		

KMDGX-6S/6S-S4N

Stacked Mini-Din, 6/6

Fully Shielded, RoHS Compliant

