



Recommended PCB Layout (Bottom View)

Part Number	Contact Area Plating Finish
KMDGX-6S/6S-S4N1	Gold Flash (Standard)
KMDGX-6S/6S-S4N115	15u" Gold (15 Option)

**Material and Finish**

Body: PBT Thermoplastic,

Contacts: Copper Alloy

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: 4.5kg max.

Extraction Force: 0.5kg - 4.5kg

Operating Temperature: -25°C to +80°C

Recommended Screw:  
M1.6 Thread Forming Screw

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



REV.	DATE	DESCRIPTION	REV. BY	CHK. BY	DRAWN BY	DATE
A7	01/15/13	ECO #12-063	S. Vien	P. DalCanto	R. Aguirre	08/02/05
A8	05/31/13	ECO #13-025	D. Gih	P. DalCanto		
A9	02/17/15	ECO #15-017	H. MA	C. Furumasu		
A10	05/28/15	ECO #14-021	C. Kelleher	H. Ma	UNITS	mm
A11	11/02/18	ECO #18-054	G. Serrato	D. Shehan		
A12	04/25/19	ECO #19-040	G. Serrato	D. Shehan		

KMDGX-6S/6S-S4N1

Stacked Mini-Din, 6/6, RoHS Compliant

Fully Shielded, Gold Contacts, w/Mounting Hole

