

Recommended PCB Layout (Bottom View)

Ordering Information	
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, UL94V-0 Rated, 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: 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: 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: 0.4kg - 3.5kg
 Operating Temperature: -25°C to +85°C

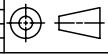
RoHS COMPLIANT
 EU Directive 2002/95/EC

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

REV.	DATE	DESCRIPTION	REV. BY	CHK. BY	DRAWN BY	DATE
A1	7/26/05	New Drawing	H. MA	C. Furumasa	H. MA	7/26/04
B1	6/11/07	ECO #07-014	A. Frederick	H. MA		
B2	05/16/08	ECO #08-047	S. Vlen	H. MA		
B3	04/28/09	Add 15 Option	S. Vlen	H. MA		
B4	05/27/10	ECO #10-030	S. Vlen	H. MA		
B5	09/23/10	ECO #10-064	S. Vlen	H. MA		

KMDGX-6S/6S-S4N

Stacked Mini-Din, 6/6
 Fully Shielded, RoHS Compliant



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