



Recommended PCB Layout (Bottom View)

Material and Finish

Body: PBT Thermoplastic, UL94V-0 Rated, Black
 Contacts: Copper Alloy
 Contact Plating: Gold Flash on Contacts, Tin on Terminations with Nickel under plated
 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	9/6/05	New Drawing	R. Aguirre	H. MA	R. Aguirre	8/02/05
B1	6/11/07	ECO #07-14	A. Frederick	H. MA		
B2	05/27/10	ECO #10-030	S. Vien	H. MA		
B3	09/23/10	ECO #10-064	S. Vien	H. MA		
B4	03/18/11	ECO #11-020	S. Vien	H. MA		

KMDGX-4S/4S-S4N

Stacked Mini-Din, 4/4, RoHS Compliant
 Fully Shielded, Gold Contacts

