



Recommended PCB Layout
(Bottom View)

Material and Finish

Body: PBT Thermoplastic,
Color:
Upper Socket: Pantone 3395C, Green
Lower Socket: Pantone 2715C, Purple
(To meet PC99 Spec)
Contacts: Copper
Gold Flash on Contacts,
Tin on Termination
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: 0.4kg - 3.5kg
Operating Temperature: -25°C to +80°C



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

REV.	DATE	DESCRIPTION	REV. BY	CHK. BY	DRAWN BY	DATE
A4	09/20/10	ECO #10-064	S. Vien	H. MA	R. Aguirre	11/20/06
A5	01/15/13	ECO #12-063	S. Vien	P. DalCanto		
A6	02/19/15	ECO #15-017	H. MA	C. Furumasu		
A7	05/28/15	ECO #14-021	C. Kelleher	H. Ma	UNITS	mm
A8	05/09/18	ECO #18-024	G. Serrato	C. Kelleher		
A9	04/25/19	ECO #19-040	G. Serrato	D. Shehan		

KMDGX-6SG/P-S4N

Stacked Mini-Din, 6/6, PC99

Fully Shielded , RoHS Compliant

