



Recommended PCB Layout
(Bottom View)

Material and Finish

Body: PBT Thermoplastic,
Color: (To meet PC99 Spec)
Upper Socket: Pantone 3395C, Green
Lower Socket: Pantone 2715C, Purple

Contacts: Copper Alloy
Gold Flash on Contacts,
Tin on Termination
Shield: SPCC, Tin Plated

Electrical Characteristics

Current Rating:
2 Amp at 12V DC
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

Mechanical Characteristics

Insertion Force: 4.5kg max.
Extraction Force: 0.5kg - 4.5kg
Durability Test: 500 Cycles Min.
Operating Temperature: -25°C to +80°C
Recommended Screw:
M1.6 Thread Forming Screw

Tolerances
X.X ± 0.35
X.XX ± 0.25
Unless Stated Otherwise



REV.	DATE	DESCRIPTION	REV. BY	CHK. BY	DRAWN BY	DATE
B2	01/15/13	ECO #12-063	S. Vien	P. DalCanto	R. Aguirre	09/23/05
B3	05/31/13	ECO #13-025	D. Gih	P. DalCanto		
B4	02/19/15	ECO #15-017	H. MA	C. Furumasu		
B5	05/28/15	ECO #14-021	C. Kelleher	H. Ma		
B6	11/02/18	ECO #18-054	G. Serrato	D. Shehan		UNITS
B7	04/25/19	ECO #19-040	G. Serrato	D. Shehan		

KMDGX-6SG/P-S4N1

Stacked Mini-Din, 6/6, PC99, RoHS Compliant

Fully Shielded, Gold Contacts, w/Mounting Hole

