



Recommended PCB Layout (Bottom View)

Material and Finish

Body: Thermoplastic, UL94V-0 Rated, Black
 Contacts: Copper Alloy Gold Flash on Contact Area, Tin on Termination, all over Nickel Underplate
 Shield: Copper Alloy, Tin Plated

Electrical Characteristics

Contact Resistance:
 Before Test: Plug to Ground: 30 Milliohms Max.
 After Test: Plug to Ground: 60 Milliohms Max.
 Insulation Resistance: 500 Megohms Min. at 500 VDC
 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: 0.4kg - 3.5kg
 Resistance to Soldering Heat: 170°±5°C for 5±1 Seconds
 Operating Temperature: -25°C to +85°C



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

REV.	DATE	DESCRIPTION	REV. BY	CHK. BY	DRAWN BY	DATE
A0	9/15/05	New Drawing	R. Aguirre	H. MA	R. Aguirre	06/30/05
A1	07/11/06	Release Drawing	R. Aguirre	H. MA		
A2	08/24/07	ECO #07-035	A. Frederick	H. MA		
A3	08/16/10	ECO #10-057	S. Vien	H. MA		
A4	09/23/10	ECO #10-064	S. Vien	H. MA		

KMDGX-GEO-7S-BS

7 pos. Geo Port Mini-Din, RoHS Compliant
 with Center Board Lock

