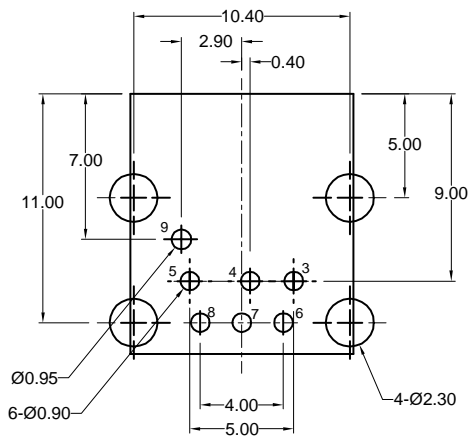


Recommended PCB Layout  
<Bottom View>



**Material and Finish**

Body: PBT Thermoplastic, UL94V-0 Rated  
 Color: Black  
 Contacts: Phosphor Bronze  
 Gold Flash on Contacts, Tin/Lead on Termination  
 Shield: SPCC, Tin Plated

**Electrical Characteristics**

Contact Resistance:  
 Before Durability Test:  
 Plug to Shield: 50 Milliohms Max.  
 Plug to Contacts: 30 Milliohms Max.  
 After Durability Test:  
 Plug to Shield: 100 Milliohms Max.  
 Plug to Contacts: 60 Milliohms Max.  
 Insulation Resistance:  
 50 Megohms Min.  
 Dielectric Withstanding Voltage:  
 500V AC RMS For 1 Minute  
 Current Rating:  
 2 Amps at 12V DC

**Mechanical Characteristics**

Durability: 500 Cycles Min.  
 Insertion Force: 0.4kg ~ 4.5kg  
 Extraction Force: 0.4kg ~ 4.5kg  
 Operating Temperature: -25°C to +85°C

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

REV.	DATE	DESCRIPTION	REV. BY	CHK. BY	DRAWN BY	DATE
A0	04/26/02	New Drawing	M. Yiu	K. Wallace		
A1	06/26/02	Release DWG	M. Yiu	K. Wallace	M. Yiu	04/26/02
A2	8/1/02	Ref. ECO 02-082	K. Wallace	K. Wallace		

**KMDR-GEO-7S-BS**

Mini-DIN, 7 Pos, GEO Type  
 Right Angle, Fully Shielded, Rounded

