



Recommended PCB Layout  
<Top View>

**Material and Finish**  
 Body: PBT Thermoplastic,  
 UL94V-0 Rated  
 Color: Black  
 Contacts: Phosphor Bronze  
 Gold Flash on Contacts,  
 Tin 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: 0.5kg ~ 4.5kg  
 Extraction Force: 0.5kg ~ 4.5kg  
 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	7/22/05
A2	06/20/08	ECO# 08-055	S. Ven	H. MA		

**KMDRX-4S-BS**

Mini-DIN, 4 Pos, Rounded, RoHS Compliant  
 Right Angle, Fully Shielded

