



Recommended PCB Layout (Bottom View)

**Material and Finish**

Body: High Temp. Thermoplastic, UL94V-0 Rated, Black

Contact Material: Phosphor Bronze

Contact Plating: Gold Flash on Contact Area, Tin on Termination, Both over Nickel underplate

Shield: Brass, Nickel 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:  
100V AC 1A Max  
12V DC 1A Max

**Mechanical Characteristics**

Durability Test: 500 Cycles Min.

Insertion Force: 4.5kg max.

Extraction Force: 0.4kg - 3.5kg

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   |
|------|---------|-------------|---------|------------|----------|--------|
| A1   | 9/7/06  | New Drawing | H. MA   | C.Furumasu | H. MA    | 9/7/06 |
| B1   | 2/22/08 | ECO #08-003 | WILL H. | H. MA      |          |        |
|      |         |             |         |            |          |        |
|      |         |             |         |            |          |        |
|      |         |             |         |            |          |        |

**KMDGXHT-9S-BS**

9 pos. Mini-DIN, Fully Shielded, RoHS Compliant  
Center Board Lock, Gold Flash Contacts, High Temp.

