



Recommended PCB Layout  
(Top View)

**Material and Finish**

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

Contacts: Phosphor Bronze,  
Gold Flash over Nickel on Contacts,  
Tin over Nickel on Termination

Shield: Phosphor Bronze,  
Nickel Plated

**Electrical Characteristics**

Contact Resistance:

Before Test:

Plug to Shield: 50 Milliohms Max.

Plug to Terminals: 30 Milliohms Max.

After Test:

Plug to Shield: 100 Milliohms Max.

Plug to Terminals: 60 Milliohms Max.

Insulation Resistance:

500 Megohms Min.

Dielectric Withstanding Voltage:

500V AC RMS For 1 Minute

Current Rating:

1 Amp at 18V DC

**Mechanical Characteristics**

Durability Test: 500 Cycles Min.

Insertion Force: 0.5kg - 4.5kg

Extraction Force: 0.4kg - 3.5kg

Operating Temperature: -25°C to +70°C

Max. Reflow Soldering Temperature:

230°C for 30 sec.

260°C for 10 sec.



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	08/02/05

**KMDTX-SMT-6S-BSC**

Low Profile Footprint Mini-DIN, SMT Type, RoHS Compliant

Crimped Side Tabs, Gold Flash Contacts, Fully Shielded

