



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/Lead over Nickel on Termination

Shield: Phosphor Bronze,  
Tin 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.

CSA NRTL/C Certified File No. LR78160

REVISION	DATE	DESCRIPTION	DRAWN BY	DESIGNED BY	UNITS
A0	7/17/00	New Drawing	C. Leiva		mm
A1	10/12/00	Rel Drawing	CHECKED BY	APPROVED BY	DATE
A2	1/04/00	ECD #01-003			7/17/00

KMDT-SMT-6S-BSC

Low Profile Footprint Mini-DIN, SMT Type

Crimped Side Tabs, Gold Flash Contacts, Fully Shielded

