



Recommended PCB Layout  
(Bottom View)

**Material and Finish**

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

Contacts: Copper Alloy,  
Gold Flash over Nickel on Contacts,  
Tin over Nickel on Termination

Shield: SPCC  
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

**Tolerances**

X.X ± 0.3  
X.XX ± 0.15  
Unless Stated  
Otherwise



REV.	DATE	DESCRIPTION	REV. BY	CHK. BY	DRAWN BY	DATE
A1	09/06/05	New Drawing	R. Aguirre	H. MA	R. Aguirre	08/02/05
B1	02/02/10	ECO #10-003	S. Vien	H. MA		
B2	06/10/14	ECO #14-021	D. Gih	H. MA		
B3	04/12/18	Update Address	J. Elbanna	C. Furumasu		

**KMDTX-SMT-4S-BSC**

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

Crimped Side Tabs, Gold Flash Contacts, Fully Shielded

