



Recommended PCB Layout  
(Bottom View)

**Material and Finish**

Body: High Temperature Thermoplastic, UL94V-0 Rated, Black  
 Contacts: Phosphor Bronze, 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	08/09/05	New Drawing	R. Aguirre	H. MA	R. Aguirre	08/02/05
A2	09/06/05	Change shield plating	R. Aguirre	H. MA		
B1	12/30/08	ECO # 08-056	S. Vien	H. MA		UNITS
B2	01/07/13	ECO #13-001	S. Vien	P. DalCanto		
B3	06/10/14	ECO #14-021	D. Gih	H. MA		
B4	04/12/18	Update Address	J. Elbanna	C. Furumasu		

KMDTX-HT-6S-BSC

Mini-DIN, Low Profile, Right Angle, RoHS Compliant

Crimped Side Tabs, Fully Shielded

