



Recommended PCB Layout  
(Bottom View)

**Material and Finish**

Body: PBT Thermoplastic,  
UL94V-0 Rated, Black

Contacts: Phosphor Bronze

Contact Plating: 15u" Gold  
on Contacts, 120u" Tin/Lead  
on Termination, all over  
50u" min. Nickel

Shield: Brass,  
120u" Tin/Lead Plated over  
50u" min. Copper

**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:  
1 Amp at 12V DC

**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 ± 0.25
X.XX ± 0.15
Unless Stated
Otherwise

CSA NRTL/C Certified File No. LR78160

REVISION	DATE	DESCRIPTION	DRAWN BY	REV CHECK BY	UNITS
A1	5/17/99	New Drawing	K. Wallace	T. Gokcek	mm
A2	7/6/01	ref. ECO #01-042	REVISED BY	REV CHECK DATE	DATE
A3	5/21/03	ref. ECO #02-062	C. Leiva	6/6/03	5/17/99

KMDG-6S/6S-S4N1-15

Stacked Mini-Din, 6/6

Fully Shielded, Gold Contacts, Mounting Hole

