

Part Number	# of Contacts	Contact Plating Finish
KMDGX-3S-AS	3	Gold Flash (standard)
KMDGX-4S-AS	4	
KMDGX-5S-AS	5	
KMDGX-6S-AS	6	
KMDGX-7S-AS	7	
KMDGX-8S-AS	8	30u" Gold (30 option)
KMDGX-3S-AS30	3	
KMDGX-4S-AS30	4	
KMDGX-5S-AS30	5	
KMDGX-6S-AS30	6	
KMDGX-7S-AS30	7	
KMDGX-8S-AS30	8	

\* 4 Position Mini-din can be used for digital audio transmission at 3.072 Mb/s when used with twisted pair shielded cable with 110 Ω load on either end. Cable must meet IEC-958 specifications



**Material and Finish**

Body: PBT Thermoplastic, UL94V-0 Rated, Black

Contacts: Phosphor Bronze  
Gold Flash or 30u"  
Gold on Contact Area,  
Tin on Termination,  
all over Nickel Underplate

Shield: SPCC, Nickel Plated

**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. at 500 VDC

Dielectric Withstanding Voltage:

500V AC RMS For 1 Minute

Current Rating:

2 Amp at 12V DC Max.

**Mechanical Characteristics**

Durability Test: 500 Cycles Min.

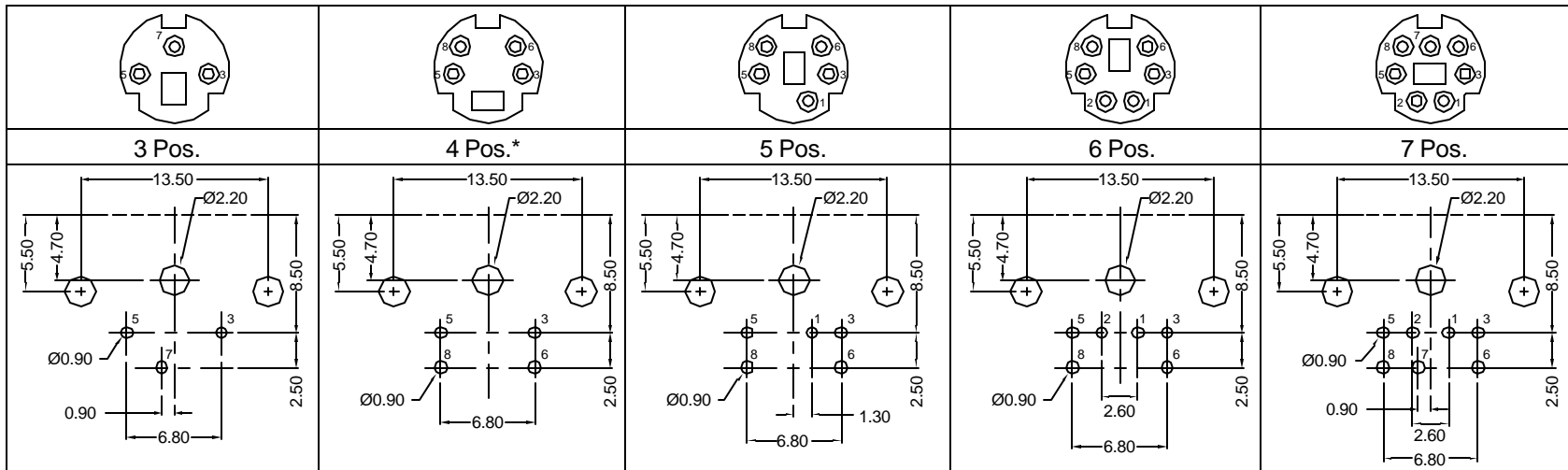
Insertion Force: 4.5kg max.

Extraction Force: 0.4kg - 3.5kg

Operating Temperature: -25°C to +85°C

Recommended wave solder Temp.

240 ° C ± 5 for 5 Sec.



Recommended PCB Layouts (Bottom View) [8 position--see above]

Tolerances

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



REV.	DATE	DESCRIPTION	REV. BY	CHK. BY	DRAWN BY	DATE
A0	3/22/05	New Drawing	H. MA	C. Furumasu	H. MA	3/22/05
A1	8/4/05	New Drawing	H. MA	N/A		
B1	11/29/05	ECO #05-065	R. Aguirre	H. MA		
B2	12/7/05	ECO #05-068	H. MA	C. Furumasu		

**KMDGX-xS-AS-xx**

Circular Mini-DIN, Gold Flash Contacts, RoHS Compliant

4-Side Shield, Boardlock Center Ground Tab

