

### Mechanical Characteristics

Durability Test: 500 Cycles Min.  
 Insertion Force: 4.57kg Max  
 Extraction Force: 0.9kg - 3.0kg  
 Operating Temperature: -55°C to +85°C

### Ferrite Performance:

Frequency	Impedance - Z (Ohms)
30 MHz	13-15 Ohms
50 MHz	15-18 Ohms
100 MHz	20-22 Ohms

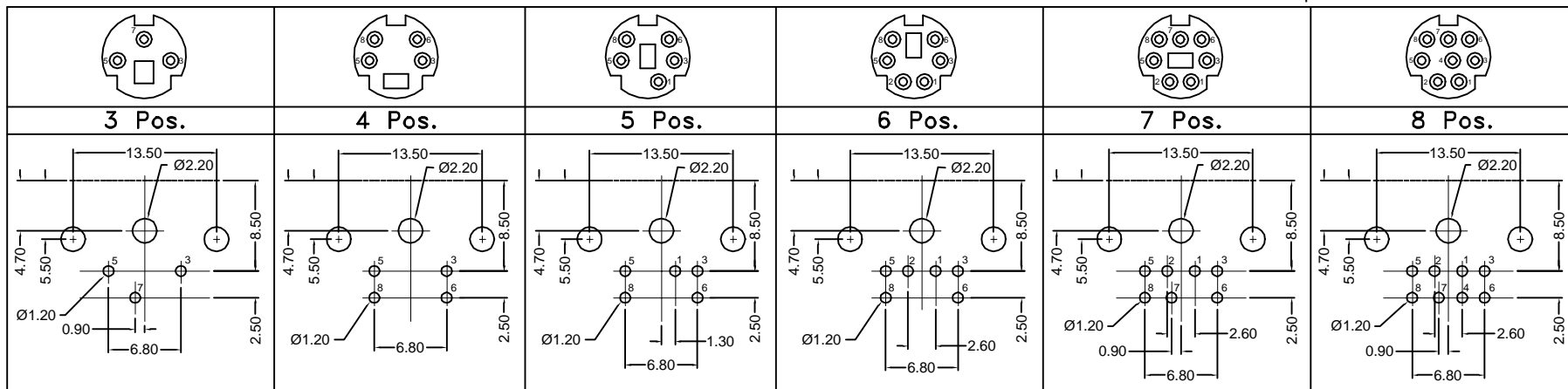
### Material and Finish

Body: PBT Thermoplastic, UL94V-0 Rated, Black  
 Contact Material: Phosphor Bronze  
 Contact Plating Options:  
 Standard: gold flash on contacts, tin/lead on soldertails, all over nickel underplate  
 -30 Option: 30u" gold on contacts, tin/lead on soldertails, all over nickel underplate  
 Shield: Brass, Tin-Lead 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 Megaohms Min. at 500 VDC  
 Dielectric Withstanding Voltage:  
 500V AC RMS For 1 Minute  
 Current Rating:  
 2 Amp at 12V DC

Part Number	Contact Area Plating Finish
KFMDG-xS-BS	Gold Flash (standard)
KFMDG-xS-BS30	30u" Gold (30 option)



Recommended PCB Layouts (Bottom View)

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



REVISION	DATE	DESCRIPTION	DRAWN BY	DESIGNED BY	UNITS
B2	11/7/00	Ref ECD 00-182	C. Leiva		mm
B3	12/4/01	Ref ECD 01-228	REVISED BY	APPROVED BY	DATE
B4	5/28/02	Ref ECD 02-017	M. Yiu		9/10/97

KFMDG-xS-BS  
 x = No. of Contacts

Ferrite Filtered Mini-DIN

Center Board Lock, Gold Flash Contacts

