

## **KMDG Series Right Angle Mini-DIN Gold Plated**

### **Features**



- Audio, Video, Computer, and Digital Equipment Applications
- PC99 Colors Available
- Shielded Options Available for Good Conductivity, Grounding and EMI/RFI Protection
- Mates with Standard and Snap and Lock Plugs
- Visual and Mechanical Polarization for Plug Insertion
- Gold Plated Contacts
- Reflow Compatible Design Available
- CSA/NRTL Certified File No. LR78160

### **Performance Specifications**

#### **Body**

KMDG - PBT Thermoplastic, Black, Purple, Green or Yellow Color, UL94V-0 Rated

KMDGHT - High Temperature Thermoplastic, Black Color, UL94V-0 Rated

#### **Contacts**

Phosphor Bronze, Gold Plated

#### **Shield**

Standard: Brass, Nickel Plated

HT: Brass, Nickel Plated

### **Mechanical Characteristics**

#### **Insertion Force**

4.5 kg max.

#### **Extraction Force**

0.4 kg - 3.5 kg

#### **Durability**

500 Cycles Minimum with Test Plug

## **MINI-DINs / CIRCULAR DINs**

### *KMDG Series*

### **Electrical Characteristics**

#### **Contact Current Rating**

2 Amp at 12V DC

#### **Insulation Resistance**

500 Megohms Min at 500V DC

#### **Contact Resistance**

*Before Durability Test*

Plug to Terminals: 30 Milliohms Max

*After Durability Test*

Plug to Terminals: 60 Milliohms Max.

#### **Dielectric Withstanding Voltage**

500V AC for 1 Minute

#### **Operating Temperature**

-25°C to +85°C

### **Ordering Information**

KMDG	-	6	S	-	BS	
Series		Number of Contacts	Contact Type		Shielding Options	Plating Options
<b>Series*</b>						
KMDG - Kycon Right Angle PCB Mount Mini-DIN						
KMDGHT - Reflow Compatible Version**						
<b>Number of Contacts</b>						
3, 4, 5, 6, 7, 8, 9						
<b>Contact Type</b>						
S - Receptacle						
<b>Shielding Options</b>						
N - Non-Shielded						
AS - Sides and Back Shielded						
BS - Fully Shielded						

#### **Plating Option**

Standard	Gold flash over nickel on contacts. Tin/lead over nickel on soldertails
30	30µ" gold over nickel on mating end of contacts. Tin/lead over nickel on soldertails.**

For Dimensions and PCB Layout Please See Page 86 and 87

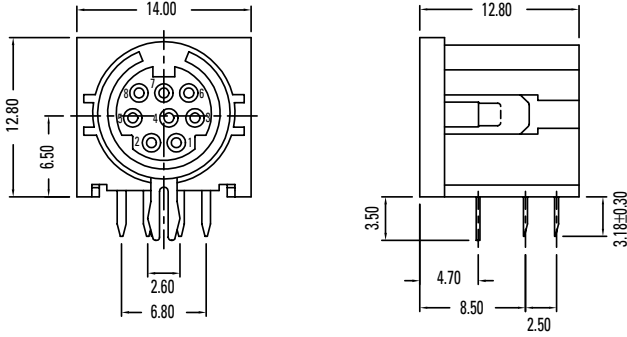
\*KMDG-GEO-7S-BS also available (see page 86)

\*\* Minimum Quantities May Apply

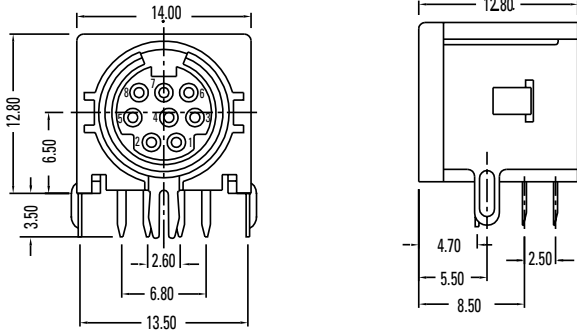
**KMDG & KFMDG Series Dimensions**

Dimensions in mm

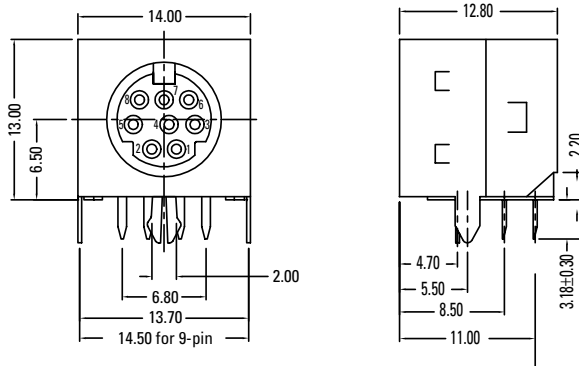
**-N Option (Non-Shielded)**



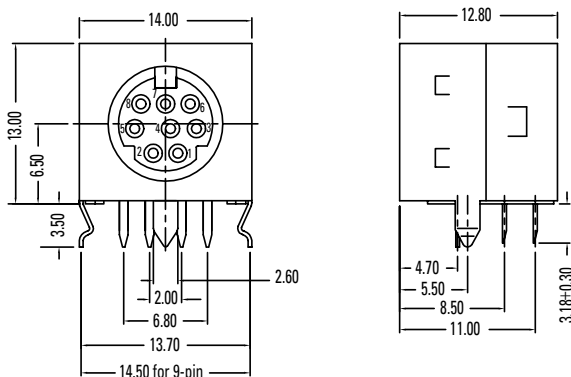
**-AS Option (4 Side Shielded)**



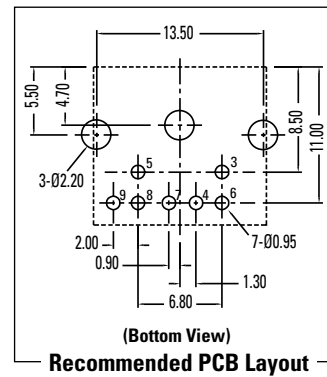
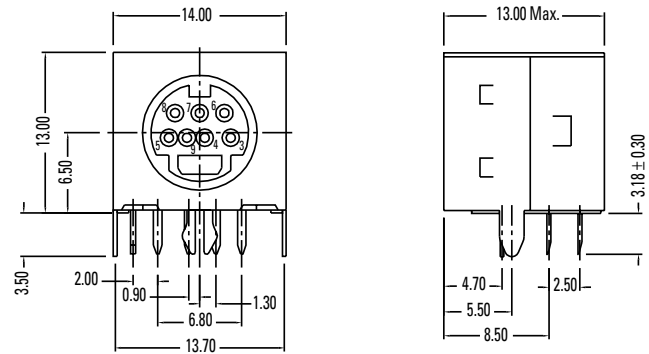
**-BS Option (Fully Shielded)**



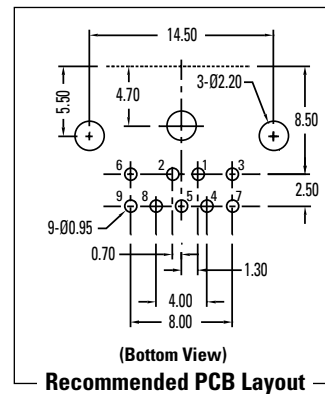
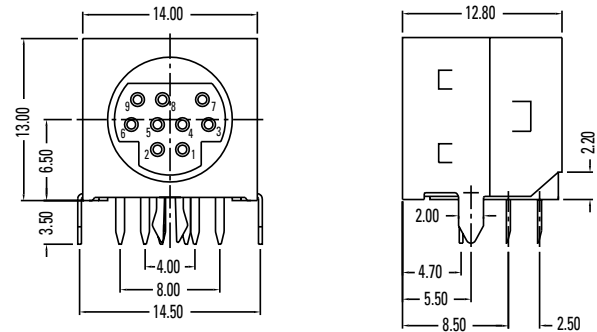
**-BSC Option (Fully Shielded Crimped Side Tabs)**



**KMDG-GEO-7S-BS (7 Position, GEO Port)**



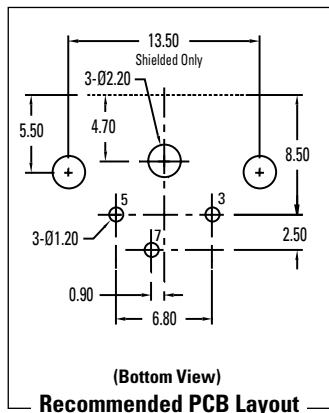
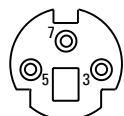
**KMDG-9S-BS (9 Position, Fully Shielded)**



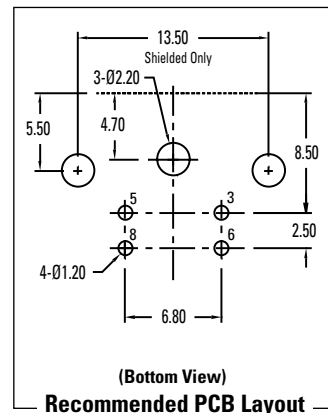
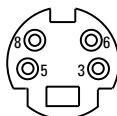
**KMDG & KFMDG Series  
Socket Configurations and  
Recommended PCB Layout**

Dimensions in mm

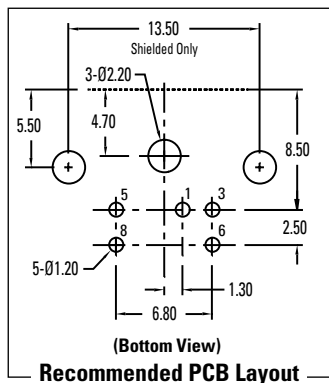
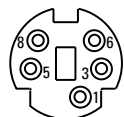
**3 Position**



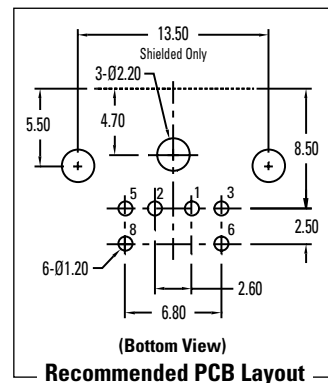
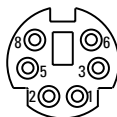
**4 Position**



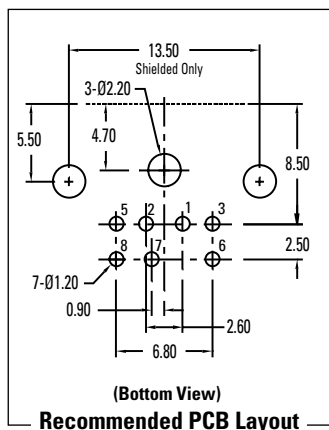
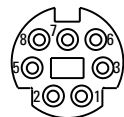
**5 Position**



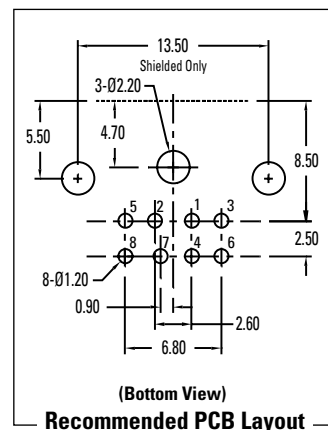
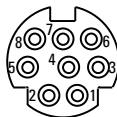
**6 Position**



**7 Position**



**8 Position**



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