



## MINI/CIRCULAR DINs : KMDGX-\*S/\*S Series Stacked Mini-DIN Gold Plated

### Product Features

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

### Performance Specifications

#### Materials and Finish

**Body:** PBT Thermoplastic, Black Color, UL 94V-0 Rated

**Contacts:** Copper Alloy

**Shield:** See Drawing

#### Plating

Gold Flash over Nickel on Contacts.  
 Tin over Nickel on Solderetails.

### Mechanical Characteristics

**Insertion Force:** 0.4kg - 3.5kg

**Extraction Force:** 0.5kg - 4.5kg

**Durability:** 500 Cycles Minimum

### Electrical Characteristics

**Rated Current:** 2A

**Rated Voltage:** 12V DC

**Insulation Resistance:** 500 Megohm Min.

#### 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 + 80°C

|                       |                     |                      |                  |
|-----------------------|---------------------|----------------------|------------------|
| 2D Drawing            | IGES                | STEP                 | 3D PDF           |
| Solder Profile        | CofC RoHS Compliant | CofC REACH Compliant | UL Plastic File  |
| Certificate of Origin | Check Stock         | Request a Sample     | Send Us An Email |

### Generated Part Number

### Part Number Builder

-    
 Series Configuration Shield Option

#### Series

**KMDGX** - Stacked PCB Mount Mini-DIN

#### Configuration

**4S/4S** - 4 Contacts over 4 Contacts

**6S/6S** - 6 Contacts over 6 Contacts

**8S/8S** - 8 Contacts over 8 Contacts (Not available with S4N1)

#### Shield Option

**S4N** - Fully Shielded

**S4N1** - Fully Shielded with Mounting Hole

Contact Kycon for Other Options

### KMDGX Series

Dimensions in mm

#### KMDGX-4S/4S-S4N

