



## 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

4.5kg Max.

#### Extraction Force

0.4kg - 3.5kg

#### 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 + 85°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

