



## MINI/CIRCULAR DINs: KMDGX Series Right Angle Mini-DIN

### Product Features

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  
Reflow Compatible Design Available  
Gold Plated Contacts  
CSA/NRTL Certified File No. LR78160  
UL File No. E140125

### Performance Specifications

#### Materials and Finish

##### Body

PBT Thermoplastic, Black, Purple, or Green Color

##### Contacts

Copper Alloy, Gold Plated

##### Shield

See Drawing

### Mechanical Characteristics

#### Insertion Force

4.5kg Max.

#### Extraction Force

0.4kg - 3.5kg

#### Durability

500 Cycles Min.

### Electrical Characteristics

#### Rated Current

2A

#### Rated Voltage

12V DC

#### Insulation Resistance

500 Megohm 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 RMS 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

<input type="text"/>	-	<input type="text"/>	<input type="text"/>	<input type="text"/>
Series		Number of Contacts	Contact Type	Option

#### Series

**KMDGX** - Right Angle PCB Mount Mini-DIN

#### Number of Contacts

- 3 Contacts
- 4 Contacts
- 5 Contacts
- 6 Contacts
- 7 Contacts
- 8 Contacts
- 9 Contacts
- 10 Contacts (10 Available only with BS option)

#### Contact Type

**S** - Receptacle

#### Shielding Option

- N** - Non-Shielded
- AS** - Sides and Back Shielded
- BS** - Fully Shielded

Contact Kycon for Other Options

### KMDGX Series

Dimensions in mm

#### KMDGX-8S-BS

