

# M81714/27 Ground Stud Modules

Series II Size 22, 20, 16, 12, Class D

## Operating Range

### Temperature:

-65°C to 200°C

### Current Rating

5 Amps (Size 22)

7.5 Amps (Size 20)

13 Amps (Size 16)

23 Amps (Size 12)

### Vibration & Shock:

MIL-T-81714 Paragraph

3.5.5 and 3.5.8

## Materials

### Module Body:

Polyetherimide per ASTM-D5205

### Grommet:

Silicone Blend Elastomer per A-A-59588

### Mounting Stud:

Copper Alloy, Gold Plated per SAE-AMS-2422.

### Contact Retainers:

Stainless Steel

### Internal Socket Contacts:

Copper Alloy, Hard Gold Plated in Accordance with MIL-G-45204

## Terminal Junction Modules



## Terminal Grounding Modules Part Numbers

Part Numbers		Contact		
Military Equivalent P/N	APCD P/N	QTY*	Size <sup>1</sup>	P/N M39029
M81714/27-22	TJG122701	10	16/22	/1-100
M81714/27-20	TJG120701	10	16/20	/1-101
M81714/27-16	TJG116701	8	14/16	/1-102
M81714/27-12	TJG112701	8	12/12	/1-103

\* Mating End/ Wire Barrel

<sup>1</sup> Quantity figure denotes number of contacts accommodated by module. Modules are supplied with two additional spare contacts and sealing plugs

## Product Description

Multi-contact grounding/bus connection modules are provided with an integral threaded grounding stud. The stud is electrically and mechanically common to all internal contacts of the module.

Electrical connection and mechanical mounting are achieved through a single #10-32 stud. The modules are dimensional identical to the equivalent MIL-T-81714/27 grounding stud modules.

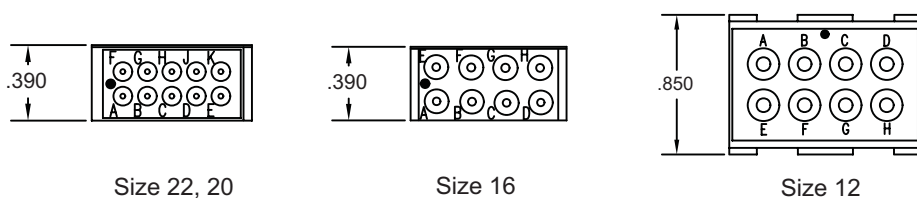
Direct mounting to a ground plane or ground wire with the terminal lug creates a convenient multi-wire sealed grounding device.

Direct attachment to a bus bar transforms the device into a bus connection module for multi-contact power distribution, sensing or metering.

All modules are furnished with complete mounting hardware.

## Terminal Junction Module Dimensions

### Top View

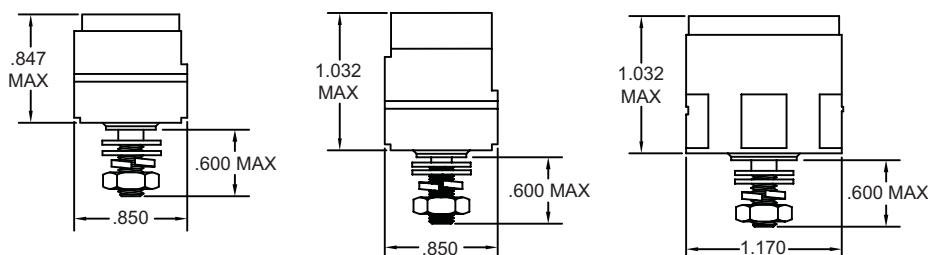


Size 22, 20

Size 16

Size 12

### Side View



Size 22, 20

Size 16

Size 12

**Amphenol Pcd**