

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 ¹ | 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

¹ 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.

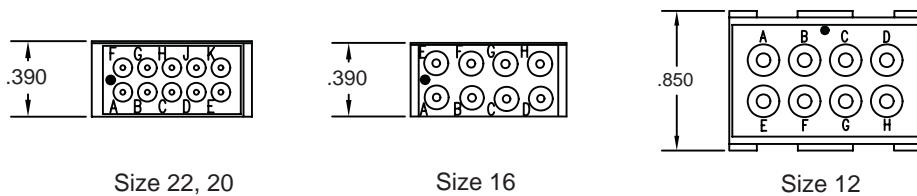
Direct mounting to a ground plane or ground wire with the terminal lug creates a convenient multi-wire sealed grounding device.

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

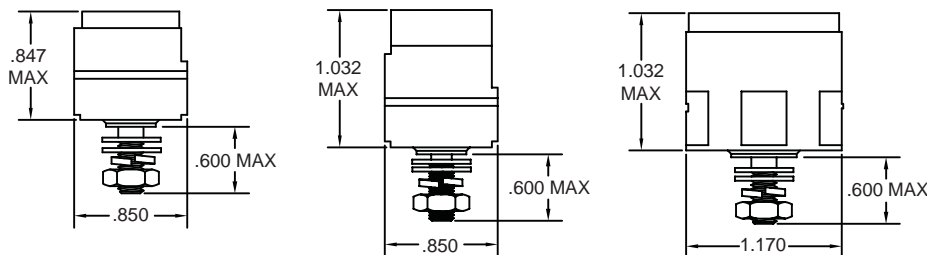


Size 22, 20

Size 16

Size 12

Side View



Size 22, 20

Size 16

Size 12

Amphenol Pcd