

Rebling Datasheet

BATTERY RECEPTACLE STYLE 1 SERIES

AVIONICS/MIL SPEC

The members of our avionics family of connectors conform to and are QPL'd to Mil Specs MS25182, MS3509, Mil-PRF-18148, Mil-E-18148, Mil-E-81099 and are available under Rebling's Cage Code 30525. They are available with a variety of termination options and in a variety of colors. These same Style 1 receptacles are offered with threaded, right angle terminal adapters which are explained on our Receptacles with Terminal Adapters page and can be used with the gaskets shown on our Gaskets page. A Style 1 receptacle has a smaller footprint than a Style 2 receptacle but the contact centerlines are identical and both Style 1 and Style 2 receptacles mate with the exact same cable-mounted plugs.



ELECTRICAL

Current

- ▶ Rated Current (per MIL PRF 18148)
- ▶ Peak Current

Voltage

- ▶ Rated Voltage (volts, continuous)
- ▶ Dielectric Withstanding Voltage

Contact Resistance (Micro Ohms)

MECHANICAL

Wire Size Range

- ▶ Minimum Wire Size
- ▶ Maximum Wire Size
- ▶ Maximum Cable OD (inches)
- ▶ Maximum Terminal Lug Tongue Width (inches)
- ▶ Maximum Terminal Lug Web Width (inches)

Environmental Sealing when mated

- ▶ With standard kit components
- ▶ With optional gasket

Operating Temperature

- ▶ Minimum (°C)
- ▶ Maximum (°C)

Flammability Rating (per UL Standard #94)

Mechanical Shock

Vibration

Torque on Electrical Connections

Mating Cycles

- ▶ No Electrical Load

750 amp
1,500 amp

750
2,500
60

8 AWG
3/0
1.1"
0.76"
0.22"

IP56
IP68

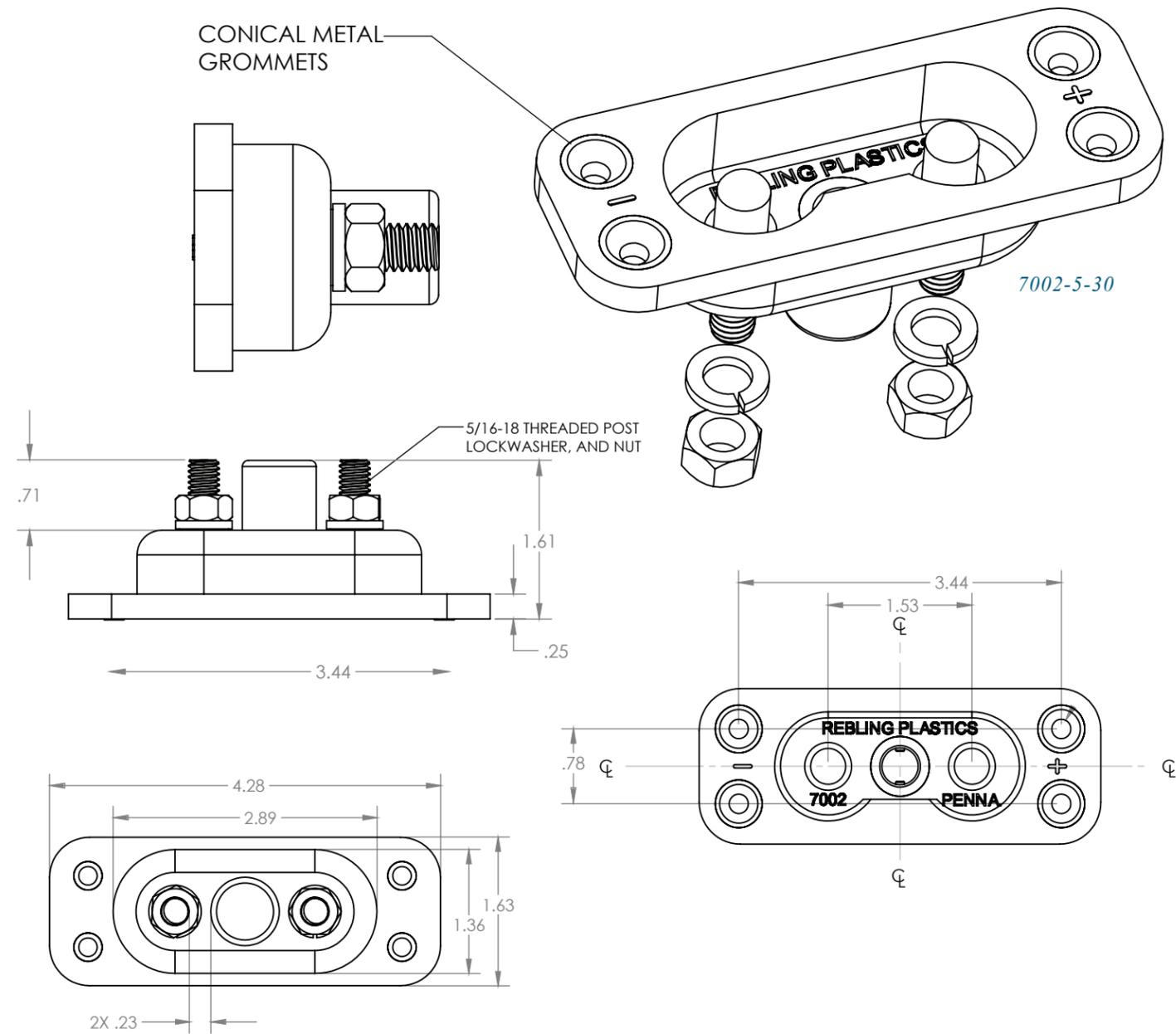
HB & V-0
20gs - 3 axes
10gs - 3 axes
30-40inlbs

1,500

CERTIFICATIONS:

CERTIFIED FOR AVIONICS APPLICATIONS
PER MILITARY STANDARDS #

- ▶ MIL PRF 18148-2
- ▶ MS25182
- ▶ MS3509
- ▶ MIL E 18148
- ▶ MIL E 81099



COMMERICAL ORDERING INFORMATION

CONNECTORS

- ▶ 7002-3 (MS3509-28-1) Receptacle, Style 1, Hollow Post, Blue
- ▶ 7002-37 Receptacle, Style 1, No Contacts, Gray
- ▶ 7002-5-30 (MS3509-30) Receptacle, Style 1, Threaded Post, Pink
- ▶ 7002-5-20 (MS3509-20) Receptacle, Style 1, Threaded Post, with gasket, Pink
- ▶ 7002-5-30G Receptacle, Style 1, Threaded Post, Green
- ▶ 7002-7 Receptacle, Style 1, Threaded Post, Blue
- ▶ 7002-9 Receptacle, Style 1, Threaded Post, Black

ACCESSORIES

- ▶ 644A1626 Backshell for rear of receptacle, Style 1, 3/0 or smaller cable
- ▶ 644A1627 Backshell for rear of receptacle, Style 1, 4/0 cable