

TI2000-087

NATO DC Receptacle



Power Anytime, Anywhere

The Tesla™ NATO DC Receptacle is the only choice if you are looking for a high-quality NATO dc receptacle for your vehicle. The Tesla™ DC Receptacle is constructed from a rugged combination of advanced composite materials and corrosion-resistant alloys for maximum conductivity and durability. The result is a NATO receptacle that will withstand the harshest battlefield conditions and other extreme environments. Tesla's in-house manufacturing means our receptacles are always in stock and available for immediate delivery.

Features:

- Rated to 3000 peak amps
- UV, fuel, fungus, oil, and water resistant
- Tested to withstand 50 G of shock
- Exceeds MIL-STD-810F
- Manufactured by Tesla™
- 2 Year Warranty



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The **POWER**
Of
RED™



Features and Benefits

As Original Equipment Manufacturers, we understand the need for superior components to build rugged, reliable equipment that must perform under the harshest conditions. For this reason, each Tesla™ NATO DC Receptacle is manufactured to the strictest safety, quality and performance standards — creating the most reliable connector on the market.

Rugged, Durable, Reliable

Made from virtually indestructible composite materials, the internal insulator won't crack, melt, blister, dry-rot or disintegrate. This, in conjunction with corrosion resistant conductors, this insures that the Tesla™ NATO DC Receptacle will still be in the field long after other receptacles have failed.

Weatherproof Construction

The Tesla™ NATO DC Receptacle includes a durable cap tethered with a corrosion resistant lanyard. The cap, along with the cap seal at the base of the receptacle, protect the receptacle from rain, snow, sand and other harmful debris.

Highly Conductive Contacts

Manufactured from highly conductive alloys, the center receptacle is specially tapered and has memory to maximize contact surface area and to minimize deformity over time.

Good News for OEMs

With a two-year warranty, Tesla's™ NATO DC Receptacles are reliable, durable, and will easily integrate into your current product configuration. Best of all, they are in stock for immediate delivery. Call Tesla™ Customer Service at (302) 324-8910 for more details on volume pricing.

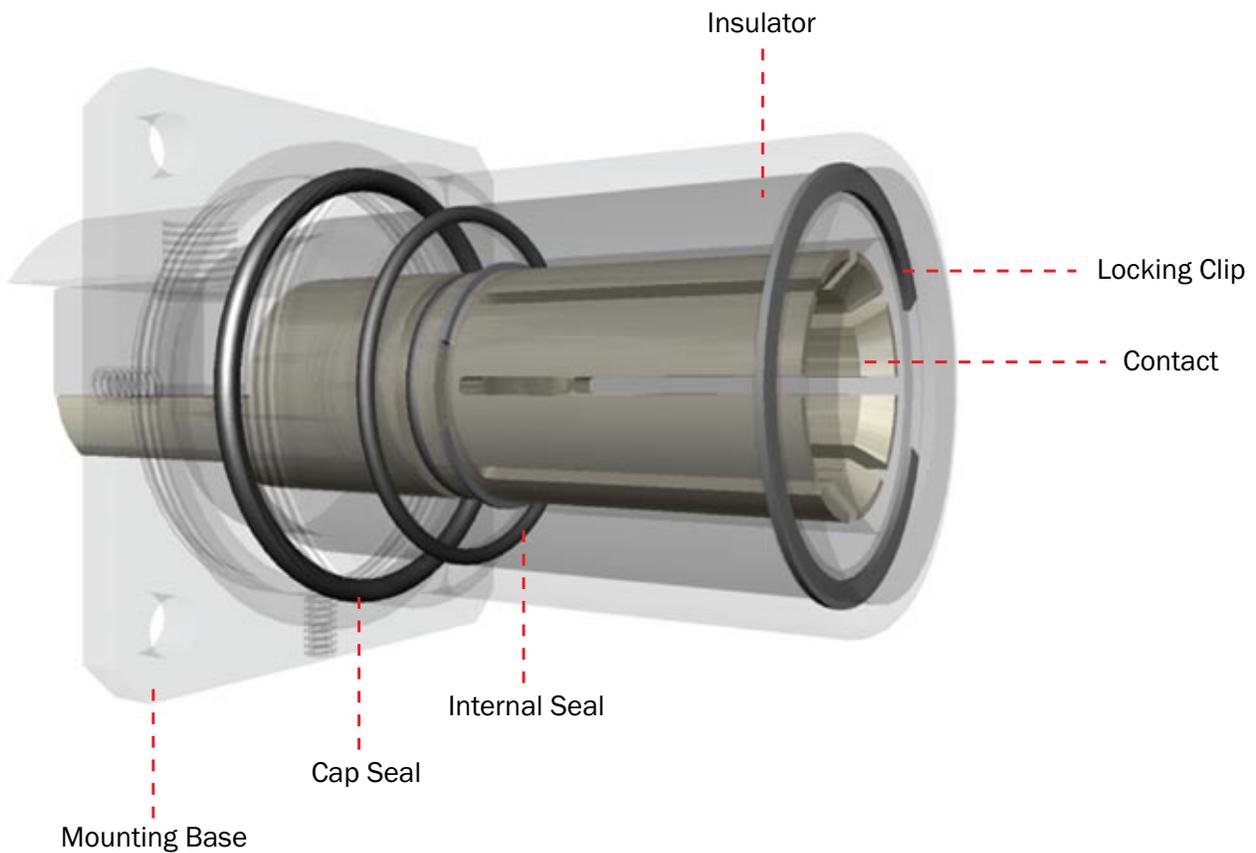


Solid construction, high conductivity, superior materials, and a 2-year guarantee make the Tesla™ NATO DC Receptacle the ideal choice for your vehicle.



The Tesla™ NATO DC Receptacle is a perfect fit for the Tesla TI2005-078 Cobra NATO Plug, allowing the safe and efficient transfer of power up to 1500 amps.

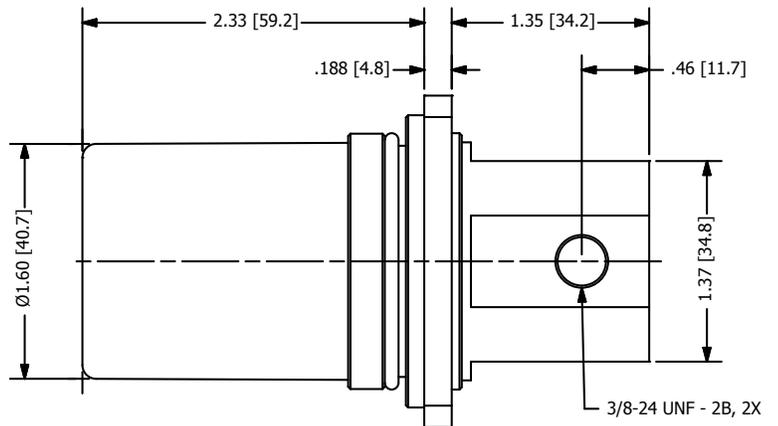
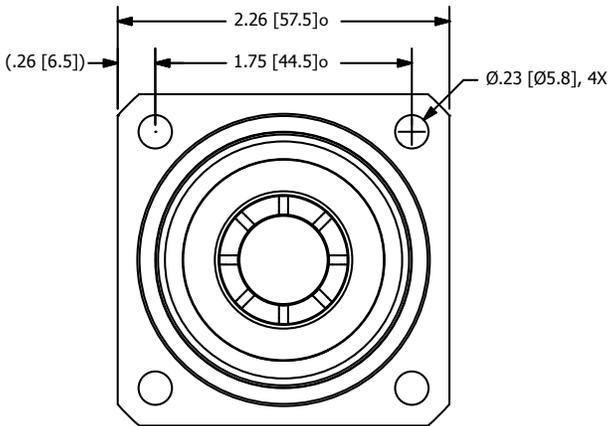
Components - Exploded View



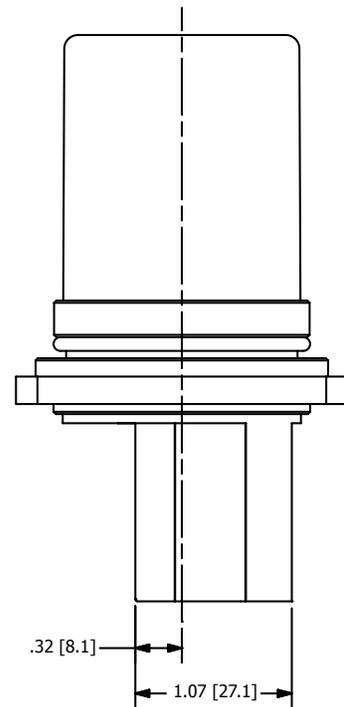
The Tesla™ NATO DC Receptacle comes with a protective cap. When properly secured, it provides protection from rain, snow, sand and other damaging debris. Also included is a corrosion resistant lanyard that prevents loss or damage to the cap when not in use.



Dimensions and Technical Specifications



* All dimensions are in inches [millimeters]



Technical Specifications:

Number of Contacts	2
Terminal Lugs	3/8-24
Mounting Hardware	10-24 or M5
Peak Current	3000 A
Storage Temperature	-65°C - 125°C (-85°F - 257°F)
Operating Temperature	-40°C - 110°C (-40°F - 230°F)
Air Gap-leakage Path	0.200" (5 mm)
Protection Class	IP68C (tested with cap)
Rated Current	1500 A
Rated Voltage	18 - 32 Vdc
Inrush Current (@ 28 Vdc)	3000 A
Dielectric Strength	> 6000 Vdc for 1 min. across contacts
Insulation Resistance	4 GΩ w/1 kV across contacts
Contact Resistance	< 50 μΩ @ 25°C
Shock	50 G
Vibration	Exceeds MIL-STD-810F
Engagement Torque	45 lbs (20.5 kg)
Weight	1.43 lbs (0.65 kg)
Warranty	2 years (3 years optional)

Panel cut-out (actual size)

