



# Scully Sockets: Truck Mounted Overfill Prevention System Connectors

Featuring Complete Loading Rack Compatibility

**Scully Optic  
and Thermistor  
Style Sockets**



**Scully DuoCept™**



## DESCRIPTION

Scully Sockets are part of a complete vehicle mounted overfill prevention and grounding systems. With over 90% of all bottom-loading terminals in the United States using Scully Overfill Prevention Systems, Scully sockets offer you the compatibility you need at any terminal. The style of plug at each loading terminal that your vehicles load should be considered to ensure a compatible connection.

Truck-mounted, they connect to the Scully IntelliCheck® or Load Anywhere® onboard monitor and /or Scully sensors and the terminal loading rack overfill monitor via the terminal plug.

The DuoCept™ includes two socket interfaces, one optic and one thermistor in one, lightweight, easy-to-install weather resistant housing. Duocept models can include a factory installed T.I.M. truck identification module.

## FEATURES AND BENEFITS

- Designs which meet API (American Petroleum Institute) standards for optic and thermistor systems.
- Compatible with Scully loading rack overfill prevention controls- the #1 choice worldwide.
- Socket styles for compatibility with all loading rack plug styles.
- Durable construction to withstand the rigors of road travel.
- Stainless steel contact pins for long-lasting performance.
- Easy gripping vinyl protective cap included\*.
- Internal mounting holes and NPT threaded conduit entry holes for ease and flexibility during installation.
- The Duocept™ features two pre-wired sockets in one powder coated enclosure with anodized socket connectors to reduce weight and installation time and withstand harsh weather and road conditions.

*\*All sockets except the SJ-4D and SJ-4R include vinyl protective cap.*



60674 Rev B

# Scully Sockets: Truck Mounted Overfill Prevention System Connectors

## ORDERING INFORMATION

| <i>Scully Sockets</i><br><i>Description</i>                                         | <i>Part Number</i> |
|-------------------------------------------------------------------------------------|--------------------|
| <b>DuoCept</b> W/B, WOGA Optic and Scully Thermistor Interface Connectors           | 09060              |
| <b>DuoCept</b> W/B, w/T.I.M., WOGA Optic and Scully Thermistor Interface Connectors | 09061              |



**DuoCept™**

| <i>Description</i>                                          | <i>Part Number</i> |
|-------------------------------------------------------------|--------------------|
| <b>SJ-6W</b> Optic Socket, WOGA Pattern, API Optic Standard | 07974              |
| <b>SJ-6SO</b> Optic Socket, Scully Pattern                  | 07973              |
| <b>SJ-6X</b> Optic Socket, SAE J560 Pattern                 | 08199              |
| <b>SJ-8S</b> Thermistor Socket, API Thermistor Standard     | 07716              |
| <b>SJ-6S</b> Thermistor Socket, API Thermistor Standard     | 07720              |
| <b>SJ-6</b> Thermistor Socket, SAE J560 Pattern             | 07681              |
| <b>SJ-4D</b> Pole Pattern Socket                            | 07707              |
| <b>SJ-4R</b> 4 Pin Truck/Rack with Box                      | 07644              |



**SJ-6W**



**SJ-6SO**



**SJ-6X**



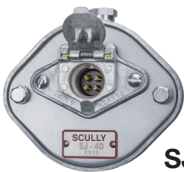
**SJ-8S**



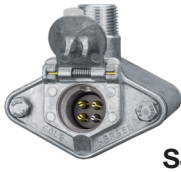
**SJ-6S**



**SJ-6**



**SJ-4D**



**SJ-4R**

| <i>Scully Switch and Valve Sockets</i><br><i>Description</i>          | <i>Part Number</i> |
|-----------------------------------------------------------------------|--------------------|
| <b>SJ-6W</b> Optic Socket, WOGA (API) Style with Switch and Air Valve | 08822              |
| <b>SJ-6S</b> 2-Wire Thermistor Socket, 8-Pin, w/ Switch & Air Valve   | 08823              |
| <b>SJ-6W</b> Optic Socket, 6-Pin 5-Wire,w/ Switch and Air Valve, M20  | 08816              |



**SJ-6W**

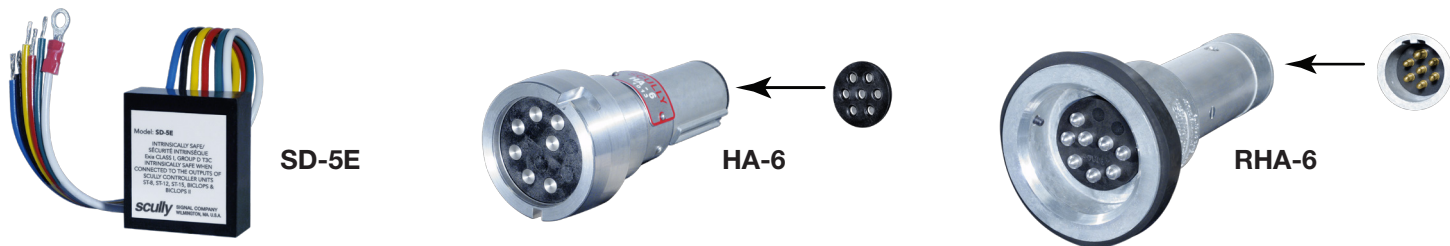


**SJ-6S 2-Wire**



**SJ-6W**

| <b>Scully Electronic Dummies &amp; Plug to Socket Adapters</b>                                                  |                    |
|-----------------------------------------------------------------------------------------------------------------|--------------------|
| <i>Description</i>                                                                                              | <i>Part Number</i> |
| <b>SD-5E</b> Five Element Electronic Dummy                                                                      | 08542              |
| <b>HA-6 Adapter.</b> Permits SAE-J560, Pole Socket to mate with Scully SC-6A and SC-6AO Rack Plugs              | 07735              |
| <b>RHA-6</b> Reverse Adapter. Permits Scully SJ-6S, SJ-8S, SJ-F Sockets to mate with SAE-J560 7 Pole Rack Plugs | 07795              |



| <b>Replacement Parts</b>                                                 |                    |
|--------------------------------------------------------------------------|--------------------|
| <i>Description</i>                                                       | <i>Part Number</i> |
| Housing for all Socket Models                                            | 21810              |
| Replacement Vinyl Cap for SJ-6W, SJ-6SO, SJ-6X (Blue)                    | 08575              |
| Replacement Vinyl Cap for SJ-6S, SJ-6 (Green)                            | 08574              |
| Complete Faceplate Assembly with Vinyl Cap, <b>SJ-6W Socket</b>          | 21790              |
| Complete Faceplate Assembly with Vinyl Cap, <b>SJ-6S Socket</b>          | 20770              |
| Contact Assembly for SJ-6S Socket                                        | 20757              |
| Complete Faceplate Assembly with Vinyl Cap, SJ-6SO Socket                | 21576              |
| Contact Assembly for SJ-6SO and SJ-6W                                    | 21771              |
| Complete Faceplate Assembly with Vinyl Cap, SJ-6X Socket                 | 21192              |
| Complete Faceplate Assembly with Vinyl Cap, SJ-6 Socket                  | 21074              |
| Complete Faceplate Assembly with Vinyl Cap, SJ-6F Socket                 | 21424              |
| Faceplate and Label, SJ-6F (no contact assembly)                         | 08513              |
| Complete Faceplate Assembly with Vinyl Cap, SJ-8S Socket                 | 20768              |
| Complete Faceplate Assembly with Vinyl Cap, SJ-F Socket                  | 21100              |
| Contact Assembly for SJ-F Socket                                         | 21104              |
| Replacement Single Pin and Screw for all Sockets                         | 07783              |
| Socket Cleaner for all Sockets                                           | 07811              |
| SJ-6W Style Socket Faceplate and Label, Less Contact Assembly            | 08510              |
| SJ-6SO and SJ-6X Style Socket Faceplate and Label, Less Contact Assembly | 08515              |
| SJ-6 and SJ-6S Style Socket Faceplate and Label, Less Contact Assembly   | 08516              |
| J560 Insert Adapter for use in Scully Style Faceplates                   | 20629              |
| Crimp-on Insulated Wire Pin Connectors, 10 Pieces                        | 08318              |
| Gasket, Neoprene, Socket Housing Cover                                   | 20628              |
| 4-Pin Socket, for SJ-4D and SJ4R Sockets                                 | 27403              |



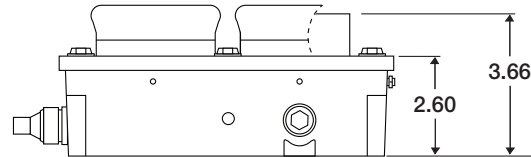
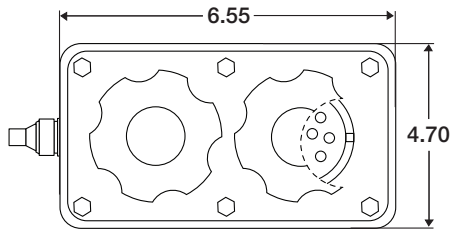
**SJ-6W  
Assembly**



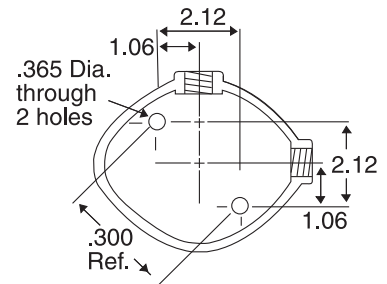
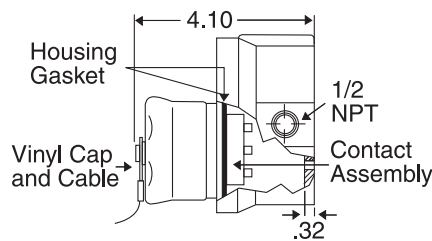
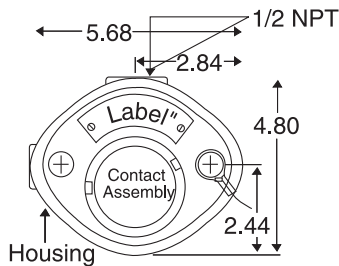
**SJ-6S  
Assembly**

## All Dimensions in Inches

(DuoCept™)



(single sockets)



## TECHNICAL SPECIFICATIONS

(DuoCept™)

**Materials:** Housing: Aluminum casting with gray powder coated finish

Socket Connector Outer Ring: Black anodized aluminum

Dust cap: Molded vinyl

**Wiring Harness:** 10' Oil/weather Resistant Cable

**Contacts:** Stainless Steel

**Size:** Refer to diagram

(single sockets)

**Materials:** Socket body: Die cast zinc

Housing: Zinc/aluminum alloy

Insulator: Glass filled polycarbonate

Dust cap: Molded vinyl

**Conduit Entry:** Two 1/2" NPT threaded entry holes

**Contacts:** Scully style stainless steel SAE J560 style: zinc plated brass

**Connections:** Provided by screw terminals

**Size:** Refer to diagram

**Weight:** 4.8 lbs. (2.2 kg.)

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