

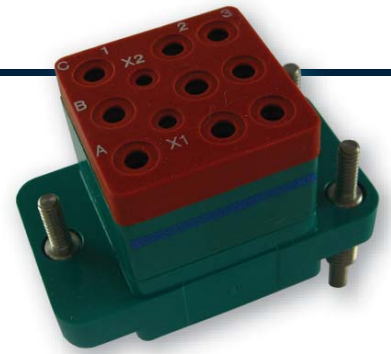
# Amphenol Pcd Relay Sockets

## MIL-PRF-12883

### Amphenol Pcd MIL-PRF-12883 Relay Sockets

Amphenol Pcd offers the industry's broadest line of pluggable relay sockets for commercial and military airborne, ground and shipboard equipment. Sockets are to MIL-PRF-12883 specifications, plus specialized requirements, and are supplied in a broad range of military standard and special configurations and styles for 2 through 25 amp operations.

Amphenol Pcd relay Sockets feature state of the art ultrasonically bonded interfaces between the dielectric components, which eliminate air paths and provide protection against moisture and degradation.



**Low Profile  
Relay Sockets**

**Extended Height  
Relay Sockets**

**Microminiature  
Relay Sockets**

**Board Mount  
Relay Sockets**

**Track Mount  
Relay Sockets**

**Solder Termination  
Relay Sockets**

### Key Features and Benefits

#### Socket Selection

Reference tables of QPL listings on Page 5, relays utilized with specific sockets on pages 6-7 and socket recommendations for military and commercial relays on pages 8-9 will assist in and simplify socket selection.

#### Socket Variations

##### Low Profile

Low Profile Relay Sockets are provided in all military configurations, are configured to a minimum size and weight, and accept the MIL-C-39029/92 contact family.

##### Extended Height

Extended Height Sockets are configured to accept the longer MIL-C-39029/5 contact - which is standard on many cylindrical connectors and other avionic interconnect systems - and allow contact standardization.

##### Mounting Hardware

Sockets are available with either fixed or loose mounting studs. Studs and hardware supplied with standard Amphenol Pcd QPL-listed sockets are cold rolled steel. Stainless steel is available as an alternate. To specify stainless steel, an "S" is added to both the QPL number and the Amphenol Pcd catalog number.

##### Mounting Style

Relay sockets can be top or bottom mounted. See appropriate catalog pages for mounting instructions.

##### Polarization

Relay-to-socket positive polarization is provided by specific contact configurations and/or polarizing pins, in accordance with MIL-Spec requirements.

##### Contact

Closed entry socket contacts qualified to MIL-C-39029 are utilized and supplied with Amphenol Pcd Relay Sockets. Note: Relay Socket catalog numbers include the appropriate number of contacts as defined in the applicable military specification.



# Military Qualified, QPL Listed Relay Socket Part Numbers

Military Socket P/N	PCD Socket P/N	Page
M12883/40-01	RSL116079	10
M12883/40-02	RSL116081	10
M12883/40-03	RSL116083	10
M12883/40-04	RSL116085	10
M12883/40-05	RSL116087	10
M12883/40-06	RSL116089	10
M12883/40-07	RSL116051	10
M12883/40-08	RSL116053	10
M12883/40-09	RSL116055	10
M12883/40-10	RSL116057	10
M12883/40-11	RSL116059	10
M12883/40-12	RSL116061	10
M12883/40-13	RSE116661	11
M12883/40-14	RSE116663	11
M12883/40-15	RSE116665	11
M12883/40-16	RSE116667	11
M12883/40-17	RSE116669	11
M12883/40-18	RSE116671	11
M12883/40-19	RSE116673	11
M12883/40-20	RSE116675	11
M12883/40-21	RSE116677	11
M12883/40-22	RSE116679	11
M12883/40-23	RSE116681	11
M12883/40-24	RSE116683	11
M12883/41-01	RSL116091	12
M12883/41-02	RSL116093	12
M12883/41-03	RSL116095	12
M12883/41-04	RSL116097	12
M12883/41-05	RSL116099	12
M12883/41-06	RSL116063	12
M12883/41-07	RSL116065	12
M12883/41-08	RSL116067	12
M12883/41-09	RSL116069	12
M12883/41-10	RSL116071	12
M12883/41-11	RSE116685	13
M12883/41-12	RSE116687	13
M12883/41-13	RSE116689	13
M12883/41-14	RSE116691	13
M12883/41-15	RSE116693	13
M12883/41-16	RSE116695	13
M12883/41-17	RSE116697	13
M12883/41-18	RSE116699	13
M12883/41-19	RSE116701	13

Military Socket P/N	PCD Socket P/N	Page
M12883/41-20	RSE116703	13
M12883/44-01	RSE120151	14
M12883/44-02	RSE120153	14
M12883/44-03	RSE120155	14
M12883/44-04	RSE120157	14
M12883/45-01	RSE120159	15
M12883/45-02	RSE120161	15
M12883/45-03	RSE120163	15
M12883/45-04	RSE120165	16
M12883/45-05	RSE120167	16
M12883/45-06	RSE120169	16
M12883/46-01	RSE116747	17
M12883/46-02	RSE116749	17
M12883/46-03	RSE116751	17
M12883/46-04	RSE116753	17
M12883/47-01	RSE116755	18
M12883/47-02	RSE116757	18
M12883/47-04	RSE116761	18
M12883/47-05	RSE116763	18
M12883/47-07	RSL116101	18
M12883/47-08	RSL116103	18
M12883/47-10	RSL116073	18
M12883/47-11	RSL116075	18
M12883/48-01	RSE112061	19
M12883/48-02	RSE112063	19
M12883/48-03	RSL112105	19
M12883/48-04	RSL112101	19
M12883/48-05	RSE112065	19
M12883/48-06	RSE112067	19
M12883/48-07	RSL112107	19
M12883/48-08	RSL112103	19
M12883/52-001	RSE116175	20
M12883/52-002	RSE116185	20
M12883/52-003	RSE116195	20
M12883/53-001	RST145005	20
M12883/54-01	RSE116627	21
M12883/54-02	RSE116631	21
M12883/54-03	RSE116629	21
M12883/54-04	RSE116635	21
M12883/55-01	RSE112035	22
M12883/55-02	RSE112036	22
M12883/55-03	RSE112044	22

## Stainless Steel Hardware

To specify Relay Sockets with Stainless Steel hardware, the suffix "S" is added to both the military and Amphenol Pcd part Numbers. For example, M12883/40-01 becomes M12883/40-01S, and the Amphenol Pcd equivalent RSL116079 becomes RSL116079-S.