

Cat. No.	Insert Diagram	Contacts					Net Price
		#16	#12	#8	#4	#0	
<b>ENVIRONMENTAL RESISTING, WITH STRAIN RELIEF AND PIN INSERTS</b>							
MS-3106F-14S-2P	14S-2	4	—	—	—	—	\$21.39
MS-3106F-14S-5P	14S-5	5	—	—	—	—	26.36
MS-3106F-16-11P	16-11	—	2	—	—	—	35.46
MS-3106F-18-10P	18-10	—	4	—	—	—	35.37
MS-3106F-20-27P	20-27	14	—	—	—	—	37.56
MS-3106F-24-28P	24-28	24	—	—	—	—	53.86

<b>ENVIRONMENTAL RESISTING, WITH STRAIN RELIEF AND SOCKET</b>							
MS-3106F-10SL-3S	10SL-3	3	—	—	—	—	24.97
MS-3106F-10SL-4S	10SL-4	2	—	—	—	—	22.94
MS-3106F-14S-1S	14S-1	3	—	—	—	—	26.45
MS-3106F-14S-5S	14S-5	5	—	—	—	—	27.94
MS-3106F-14S-6S	14S-6	6	—	—	—	—	25.15
MS-3106F-14S-7S	14S-7	3	—	—	—	—	29.92
MS-3106F-16-10S	16-1	7	—	—	—	—	40.98
MS-3106F-16-11P	16-11	—	2	—	—	—	35.46

<b>LIGHTWEIGHT ENVIRONMENTAL RESISTING, WITH SOCKET INSERTS</b>							
MS-3106R-10SL-3S	10SL-3	3	—	—	—	—	23.05

### MS-3108 90° RECEPTACLE

Cat. No.	Insert Diagram	Contacts					Net Price
		#16	#12	#8	#4	#0	
<b>SOLID SHELL WITH SOCKET INSERTS</b>							
MS-3108E-14S-2S	14S-2	4	—	—	—	—	\$43.38
MS-3108E-18-1S	18-1	10	—	—	—	—	54.60

## AMPHENOL PT, MS/PT, PT-SE, MS/PT-SE MINIATURE SOLDER AND CRIMP TYPE CONNECTORS

Amphenol® Miniature Cylindrical connectors offer twice the number of contacts in just half the size of a standard connector. These miniature connectors are available in several series, each with varying design characteristics and customer options to meet cost considerations and provide maximum design flexibility. Two of the Miniature Family series MS/PT and MS/PT-SE, are MS approved and qualified to MIL-C-26482, Series 1.



WALL MOUNT RECEPTACLE



CABLE CONNECTING RECEPTACLE



STRAIGHT RECEPTACLE



BOX MOUNTING RECEPTACLE



8-2



8-3



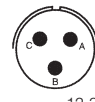
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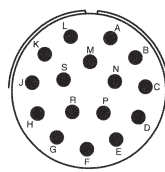
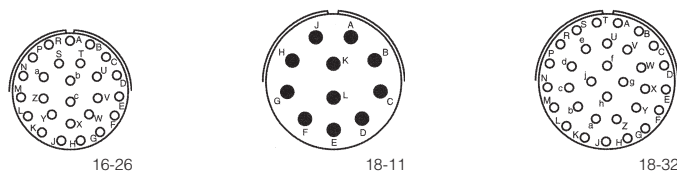
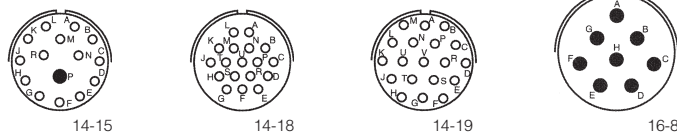
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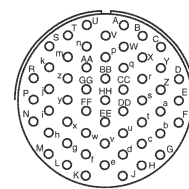
10-98



12-3



20-16



22-55

### PT, MS/PT, PT-SE, MS/PT-SE MINIATURE PROPRIETARY/MIL-C-26482, SERIES 1 SOLDER AND CRIMP CONNECTORS

Amphenol® solder and crimp contact miniature cylindrical connectors meet the most critical applications needs. Design versatility combined with high reliability performance makes these series of Miniature Cylindrical Connectors ideal for environmental sealing or pressurized applications. The MS/PT and MS/PT-SE Series is qualified to MIL-C-26482, Series 1 and has all outstanding design characteristics and quality of the PT Series. A corrosion resistant electrically conductive finish of cadmium plate with an olive drab chromate after-treatment is used on these connectors. Shell components for these series are aluminum. The dependable 5 key/keyway polarization with bayonet lock coupling assures positive mating with no change of cross plugging. Spring tension provided by a wave washer in the coupling nut ensures maintenance of interfacial seal between mating halves. Both the insert and main joint gasket are molded from resilient neoprene. This provided excellent moisture sealing at the gasket and superior electrical isolation of the contact in the insert. Both pins and sockets are machined from a copper alloy and are gold plated. This gold plating eliminates contact corrosion and offers an indefinite shelf life. Socket contacts for these series area are a closed entry design. The PT, MS/PT and PT-SE, MS/PT-SE Series are intermateable and intermountable with all existing Miniature Cylindrical Series connectors except for the threaded coupling PC Series.

#### HOW TO ORDER PT AND PT-SE SERIES CONNECTORS:

##### SERIES NUMBER:

**PT**—Designate standard olive drab, electrically conductive cadmium plated bayonet lock connector with solder contacts

##### SHELL TYPE:

**00**—Designates wall mounting receptacle  
**02**—Box mounting receptacle  
**06**—Straight plug

##### SHELL CONSTRUCTION:

**A**—General duty back shell  
**E**—Environmental resisting open wire seal with grommet and nut  
**SE**—Designates environmental crimp

##### SHELL SIZES:

8, 10, 12, 14, 16

Continued on next page....

## AMPHENOL HARSH ENVIRONMENT CONNECTORS

With the patented RJ Stop® solution, any standard communication cordset—including Ethernet, Firewire (IEEE 1394), and USB can be transformed into an environmentally protected rugged connector in less than a minute, with no tooling or termination required. The design provides waterproof sealing against fluids and dust to meet IP67 requirements—waterproof under water up to one meter in depth for up to 20 minutes.



### HARSH ENVIRONMENT IP67 CONNECTORS-EZ FIELD

Cat. No.	Description	Net Price
RJFEZ21	Rectangular plastic panel mount receptacle RJ145	\$16.79
RJFEZ6	Rectangular plastic plug black	8.28
RJFEZBE	Rectangular plastic cap for receptacle	2.83
RJFEZJE	Gasket for panel mount receptacle	.60

### HARSH ENVIRONMENT IP67 CONNECTORS-PUSH PULL 544 (ECTA) CIRCULAR RJ45 ETHERNET CONNECTION SYSTEM

Cat. No.	Description	Net Price
RJF54421	Panel mount receptacle circular plastic black	\$14.93
RJF5442M1	Panel mount receptacle circular metalized plastic	16.96
RJF5446	Plug circular plastic black	11.10
54402BE	Plastic circular cap for receptacle	13.21
54402BM	Plastic circular cap for plug	13.21
54402JE	Gasket (JE16) for panel mount receptacle	.78
5440OT02	544 insert/removal tool for plug	8.25

### HARSH ENVIRONMENT IP67 CONNECTORS-FIREWIRE FIELD (IEEE 1394 MIL CIRCULAR DTL-38999 SERIES III)

Cat. No.	Description	Net Price
FWFTV21N	Panel mount 2000A receptacle nickel	\$50.90
FWFTV6N	2000A plug nickel	60.00
FWFTV71N	Firewire field jam nut 2000A receptacle nickel	52.73
JE15	Field bus gasket for firewire field	1.04
FWFODE	Firewire insert/removal tool	23.70

### HARSH ENVIRONMENT IP67 CONNECTORS-RJ FIELD ETHERNET CONNECTOR SYSTEM

The RJ Field Ethernet connector system offers a quick and easy solution to transform any standard existing RJ45 Cat5e cordset into a rugged waterproof and vibration resistant package. Incorporating a bayonet type MIL-C-26482 circular shell for extremely harsh environments.

Cat. No.	Description	Net Price
RJF21B	Panel mount receptacle RJ45 black	\$26.46
RJF21N	Panel mount receptacle RJ45 nickel	30.56
RJF22B00	Panel mount receptacle PCB black	21.45
RJF2PEM1B	Panel mount receptacle RJ45 backshell metal gland black	52.02
RJF2PEM1N	Panel mount receptacle backshell RJ45 nickel	49.23
RJF6B	Plug metal circular shell black	25.92
RJF6N	Plug metal circular shell nickel	26.92
RJF71B	Jam nut receptacle RJ45 black	39.70
RJF71N	Jam nut receptacle RJ45 nickel	43.80
RJF72B00	Jam nut receptacle PCB black	35.88
RJF7PEM1B	Jam nut receptacle backshell RJ45 black	62.14
RJF7PEM1N	Jam nut receptacle backshell RJ45 nickel	62.51
RJFC2B	Cap for panel mount receptacle black	21.80
RJFC2N	Cap for panel mount receptacle nickel	23.00
RJFC6B	Cap for plug black	23.61
RJFC6N	Cap for plug nickel	24.70
RJFC7B	Cap for jam nut receptacle black	27.75
RJFC7N	Cap for jam nut receptacle nickel	28.93
JE18	Gasket for series panel mount receptacle	.99
RJFODE	Insert/Removal Tool RJ field	23.70

### HARSH ENVIRONMENT IP67 RUGGED CIRCULAR CONNECTORS-RJ FIELD TV (RJ45 ETHERNET INTERFACE)

Incorporates a metal circular MIL DTL-38999 Series III threaded shell.

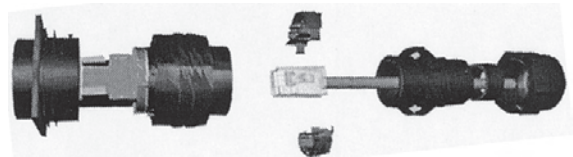
Cat. No.	Description	Net Price
RJFTV6N	Plug nickel	\$39.65
RJFTV71N	Jam nut receptacle RJ45 nickel	47.93
RJFTV7PEM1N	Jam nut receptacle backshell RJ45 nickel	91.89
RJFTVC2N	Cap for panel mount receptacle nickel	29.93
RJFTVC6N	Cap for plug nickel	32.36
RJFTVC7N	Cap for jam nut receptacle nickel	35.05
JE19	Gasket for RIF TV series panel mount receptacle	1.47
RJFODE	Insert/removal tool RIF TV	23.70

### HARSH ENVIRONMENT IP67 CONNECTORS-USB FIELD (MIL CIRCULAR DTL-38999 SERIES III)

Cat. No.	Description	Net Price
USBFTV21N	Panel mount receptacle USB a nickel	\$33.79
USBFTV6N	Plug nickel	45.52
USBFTV71N	Jam nut receptacle USB a nickel	40.00
USBFTV72N	Jam nut receptacle PCB nickel	39.63
USBFTVC2N	Cap for panel mount receptacle nickel	22.91
USBFTVC6N	Cap for plug nickel	23.80
USBFTVC7N	Cap for jam nut receptacle nickel	29.01
JE15	Field bus gasket for USB field	1.04
USBFODE	USB field insert/removal tool	23.22

### HARSH ENVIRONMENT SPLASH PROOF CONNECTORS-SELF CLOSING CAP

Cat. No.	Description	Net Price
RJF21BSCC	RJ field snap cap plain insert black shell	\$35.35
RJF21NSCC	RJ field snap cap metalized insert nickel	36.83
USBF21BSCC	USB field snap cap plain insert black	34.19
USBF21NSCC	USB field snap cap metalized insert nickel	35.71
FWF21BSCC	Firewire field snap cap plain insert black	51.90
FWF21NSCC	Firewire snap cap metalized insert nickel	52.59

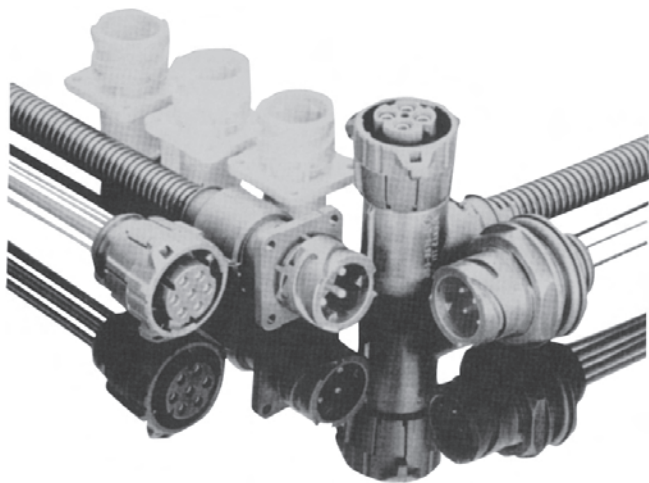


### HIGH RELIABILITY CAT5 & CAT5E BULK CABLE & CABLE CORDSETS WITH MOLDED RJ45 PLUG ENDS

CAT5 Stranded 26AWG & CAT5E 24 AWG round patch twisted pair bare Copper Wire, extra rugged, double shielded Kevlar with a highly flexible jacket made of black Halogen Free, flame retardant Polyether-based Polyurethane. Cordsets available in various lengths.

Cat. No.	Description	Net Price
190-036161-00	Field Bus Cat 5 High Reliability Ethernet Cable 100 Meters (328 feet)	\$695.42
190-038045-00	Field Bus Cat 5E High Reliability Ethernet Cable 100 meters (328 feet)	663.37
RJFSFTP0152	Ethernet high reliability cordset CAT5 w/RJ45 plug (1.52M/5 feet)	53.25
RJFSFTP0305	Ethernet high reliability cordset CAT5 w/RJ45 plug (3.05M/10 feet)	63.45
RJFSFTP050076	Ethernet high reliability cordset CAT5E w/RJ45 plug (.76M/2.5 feet)	50.02

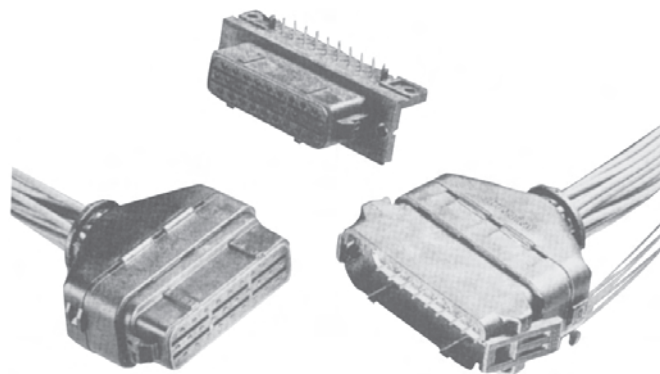
**NOTE:** For more information contact your Electro Sonic sales representative



## ADP BAYONET COUPLING ENVIRONMENTALLY SEALED CONNECTORS

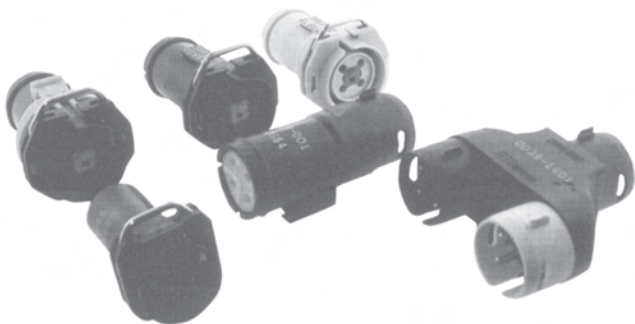
Think of the harshest environment on a vehicle. One that is subject to contaminants, vibration and shock. This is where APD longs to be. This direct, in-line and bulkhead sensor connectors resistant to engine, transmission and brake fluid—plus just about everything else Mother Nature can toss its way. It also boasts very low contact resistance, so you can benefit from maximum signal integrity. APD is available in 2, 3 and 4 position versions and has been designed to meet all DIN 72585 requirements. **FEATURES:** High performance engineered materials for continuous operation at  $-40^{\circ}$  to  $140^{\circ}\text{C}$ . Environmentally sealed to IP69K. Individual wire seals. "B" crimp profile at pin and socket. Hand insertable contacts. Bayonet coupling. Coding with housings in four colours. Conduit flux tube termination with straight or  $90^{\circ}$  endbells. **SPECIFICATIONS:** Voltage: 48VDC max. Contact resistance:  $3\text{m}\Omega$  max. Insulation resistance:  $10\text{m}\Omega$  min. **MATERIALS:** Contacts: Copper alloy, stamped and formed. Contact area: Tin. **APPLICATIONS:** Sensors. Anti skip controls. ABS brake control. Magnetic vehicle control systems. Valve control (water, oil, air pressure). **NOTE: For more information and pricing contact your Electro Sonic sales representative.**

Its field-proven elastomeric seals provides excellent protection against the elements. In fact, CLC's Y-splice connector provides sealing protection up to 7-1/2 PSI (.51 bar). When your requirements call for unbeatable performance, CLC "lock" into a tightly sealed connection against harsh contaminants. **FEATURES:** Available with 2 to 4 terminals at 5 amp current rating. High performance engineering materials for continuous operation at  $-40^{\circ}\text{C}$  at  $+155^{\circ}\text{C}$ . Low-profile connector clip lock with optional (CPA). "B" crimp pin and hooked socket terminals. Hand insertable and removable terminals. Integral terminal position assurance (TPA) device reinforces contact retention system. 3-way flexible polarization system. Optional multi-directional flexible end bells. **SPECIFICATIONS:** Voltage rating: 250VAC. Current rating: 5 amps continuous at  $25^{\circ}\text{C}$  (1mm terminals). **MATERIALS:** Base: Copper alloy. Contact clip lock: Passivated stainless steel. Crimp finish: Tin lead over nickel. **NOTE: For more information and pricing contact your Electro Sonic sales representative.**



## SLE SNAP-LOCK ENVIRONMENTALLY SEALED RECTANGULAR CONNECTORS

The Snap-Lock Environmental Series is Cannon's newest environmentally sealed connector created for printed circuit board, blackbox, cable-to-cable or bulkhead applications. When your under-the-hood requirements call for tough performance, the SLE "snaps" into a tightly sealed connection that can withstand heat, shock and vibration. The connector is designed to preserve the integrity of the solid state package, while protecting against contaminants—even when unmated. Polarization, scoop-proofing and hand insertion of contacts are part of the package. Gold, tin/lead-plated stamped contacts add durability. A rugged, termoplastic receptacle body maximizes performance by withstanding temperature variances from  $-40^{\circ}\text{C}$  to  $+125^{\circ}\text{C}$ . The SLE series is available in both 19 and 28 contact cavity configurations. It can also be adapted to robotic assembly. Should your requirement demand higher density configurations, consult our applications engineering staff. **FEATURES:** Superior environmental sealing. Current rating 5A and 13A versions. Low millivolt drop. Small footprint on P.C. board and low profile. 5-way alternate polarization. Integral mold latch. Adaptable to robotic assembly. Multi-direction, easily assembled endbells. Optional secondary bail latch. Latch with tactile and audible feedback. Low installed cost. Meets both signal and power requirements. Versatile cable strain relief, up, down, straight, left and right, flange/bulkhead. Connector mating assurance. **SPECIFICATIONS:** Contact resistance: 10 milliohms max. Dielectric withstanding voltage: 1000Vrms AC at sea level. Wire size: 20-16 AWG. Contact extraction: Rear removable. **MATERIALS:** Connector housing: High temperature thermoplastic. Contacts: Copper alloy. Environmental seal: High temperature silicone elastomer. **NOTE: For more information and pricing contact your Electro Sonic sales representative.**



## CLC IN-LINE AND Y-SPLICE CONNECTORS CLIP LOCK CIRCULAR (CLC) ENVIRONMENTAL MINIATURE SERIES

Cannon's Clip-Lock Circular (CLC) environmental miniature connector and Y-splice series is designed to support electronic networks, sensors and actuators direct, in-line interconnect applications. Incorporating Cannon's field proven 1mm terminal system provides for a compact interconnect package. Its low contact resistance ensures maximum signal integrity for your critical electronic control applications. Cannon's 4 way splice connection system is designed to enhance the reliability of multiple wire splices in remote locations on Vehicle Wire Harnesses. CLC and Y-splice is one rugged connector system that can really take the heat, shock and vibration found in your harshest vehicle environments.

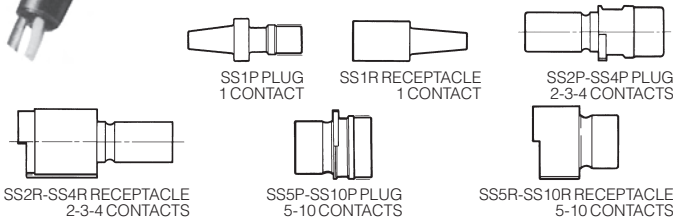
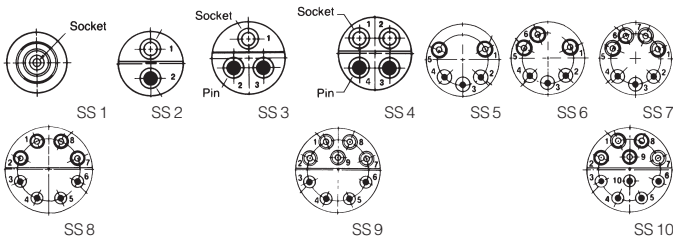
# Sure-Seal Connectors

MANU  
**059**  
CODE



## SURE-SEAL

SURE-SEAL Connector is a one-piece molded body and rugged multiple moisture seals make the Sure-Seal Connector a natural for applications whose outside contaminants must be excluded. Ideal for the automotive and industrial field against vibration, shock, temperature cycling, salt water spray and immersion, petroleum derivatives, industrial gas, and most important low multivolt drop and low contact resistance. Low cost stamped contacts. Polarized against mismates. CSA approved.



### SURE-SEAL PLUG HOUSING (LESS CONTACTS)

Cat. No.	Insert Arrangement	Colour	Max. Dia.	Max. Length	Net Price
120-1832-000	SS1P	Black	.550"	1.480"	<b>\$3.85</b>
120-1807-000	SS2P	Black	.550"	1.410"	<b>2.84</b>
120-1808-000	SS3P	Black	.600"	1.410"	<b>2.92</b>
120-1809-000	SS4P	Black	.600"	1.410"	<b>3.48</b>
120-1841-000	SS5P	Black	1.010"	1.470"	<b>5.20</b>
120-1842-000	SS6P	Black	1.010"	1.470"	<b>5.20</b>
120-1873-000	SS7P	Black	1.010"	1.470"	<b>5.39</b>
120-1865-000	SS8P	Black	1.135"	1.470"	<b>5.39</b>
120-1867-000	SS9P	Black	1.135"	1.470"	<b>5.31</b>
120-1869-000	SS10P	Black	1.135"	1.470"	<b>5.31</b>

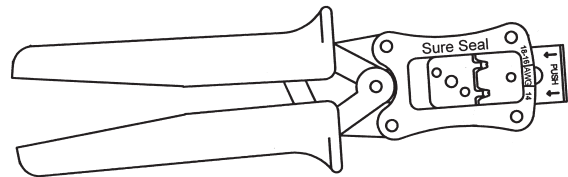
### SURE-SEAL RECEPTACLE HOUSING (LESS CONTACTS)

Cat. No.	Insert Arrangement	Colour	Max. Dia.	Max. Length	Net Price
120-1833-000	SS1R	Black	.565"	1.600"	<b>3.93</b>
120-1804-000	SS2R	Black	.710"	1.550"	<b>2.77</b>
120-1805-000	SS3R	Black	.760"	1.550"	<b>2.99</b>
120-1806-000	SS4R	Black	.760"	1.550"	<b>3.37</b>
120-1839-000	SS5R	Black	1.160"	1.610"	<b>5.35</b>
120-1840-000	SS6R	Black	1.160"	1.610"	<b>5.31</b>
120-1874-000	SS7R	Black	1.160"	1.610"	<b>5.31</b>
120-1866-000	SS8R	Black	1.285"	1.625"	<b>5.39</b>
120-1868-000	SS9R	Black	1.285"	1.625"	<b>5.31</b>
120-1870-000	SS10R	Black	1.285"	1.625"	<b>5.31</b>



### SURE-SEAL PLUG WITH FLANGE

Cat. No.	Shell Size	Colour	Net Price
120-8552-200	SSF2P	Black	<b>\$5.69</b>
120-8552-201	SSF3P	Black	<b>5.69</b>
120-8552-202	SSF4P	Black	<b>5.65</b>
066-8516-000	Mounting Plate for SSF2P, SSF3P, SSF4P		<b>2.27</b>
120-8552-305	SSF8P	Black	<b>7.44</b>
120-8552-306	SSF9P	Black	<b>6.77</b>
120-8552-307	SSF10P	Black	<b>8.27</b>
066-8516-002	Mounting Plate for SSF8P, SSF9P, SSF10P		<b>2.66</b>



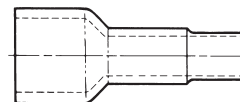
CRIMP TOOL

### HAND CRIMP TOOLS

Lightweight and easy to use, the Sure-Seal CS10 hand crimp tool has a full cycle ratchet controlled release. Linear action crimp jaws make for accurate crimp results every time. The locator flap makes it easy to load the terminal while the pre-positioner assures that the terminal is oriented properly for crimping. This compact tool is the only hand crimp tool recommended to crimp Sure-Seal terminals. For 14-18 AWG insulation support style contacts.

Cat. No.	Description	Net Price
SS-CS10	Heavy-Duty Ergonomic Standard Contact Crimp Tool	<b>\$406.91</b>
SSI-CS10	Heavy-Duty Ergonomic Insulation Support Crimp Tool	<b>406.91</b>
070306-0000	Standard Contact Insertion Tool	<b>121.85</b>
070235-0001	Insulation Support Insertion Tool	<b>127.01</b>

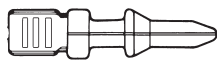
NOTE: Holding blocks available upon request. Mini applicators available upon request.



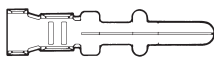
### SURE-SEAL ACCESSORY BOOTS

Cat. No.	Used With	Colour	Cable O.D.	Max. Lgth.	Net Price
317-1398-000	SS2	Black	.208"-.208"	2.05"	<b>\$5.20</b>
317-1397-000	SS3 or SS4	Black	.220"-.240"	2.05"	<b>5.95</b>
317-1399-000	SS3 or SS4	Black	.345"-.380"	2.05"	<b>5.95</b>
317-8657-000	SS5, 6, 7	Black	.283"-.331"	2.441"	<b>6.84</b>
317-8657-002	SS8, 9, 10	Black	.394"-.488"	2.48"	<b>8.42</b>

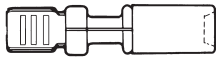
# Sure-Seal Connectors



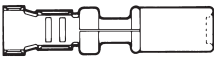
STANDARD  
PIN (INDIVIDUAL)  
PIN, 030-2196-000  
SIZE AWG 14-18



INSULATION SUPPORT  
PIN (INDIVIDUAL)  
PIN, 030-2196-001  
SIZE AWG 14-18



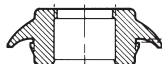
STANDARD  
SOCKET (INDIVIDUAL)  
SOCKET, 031-1267-000  
SIZE AWG 14-18



INSULATION SUPPORT  
SOCKET (INDIVIDUAL)  
SOCKET, 031-1267-001  
SIZE AWG 14-18

## CRIMP CONTACTS

Cat. No.	Contact Type	Crimp Type	Net Price
030-2196-000	Pin	Standard	<b>\$ .59</b>
031-1267-000	Socket	Standard	<b>.71</b>
030-2196-001	Pin	Insulation Support	<b>.49</b>
031-1267-001	Socket	Insulation Support	<b>.64</b>
225-0093-000	Wire Hole Filler		<b>.15</b>



## SURE-SEAL ACCESSORY GROMMETS (MOUNTING RING)

Cat. No.	Used With	Colour	Panel Hole	Max. Dia.	Net Price
351-1640-000	SS2	Black	.755"	1.275"	<b>\$7.26</b>
351-1641-000	SS3 or SS4	Black	.755"	1.275"	<b>5.24</b>
351-1633-000	SS5, 6, 7	Black	1.445"	2.200"	<b>7.18</b>
351-1634-000	SS8, 9, 10	Black	1.445"	2.200"	<b>7.18</b>



026-0452-000



029-0263-000  
029-0262-000



026-0450-000  
026-0451-000

## SURE-SEAL CLIP/CLAMP

Cat. No.	Body Identifier	Colour	Net Price
026-0452-000	SS-1C	Black	<b>\$1.76</b>
029-0263-000	SS-2C	Red	<b>1.39</b>
029-0262-000	SS-3C, 4C	Yellow	<b>1.39</b>
026-0450-000	SS5, 6, 7	Natural	<b>2.77</b>
026-0451-000	SS8, 9, 10	Black	<b>2.77</b>



MSS-2



MSS-3



MSS-4

## MINI SURE-SEAL

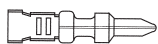
Same great sealing features, but with a smaller body size and smaller wire gauge 18-20AWG.

Cat. No.	Insert Arrangement	Colour	Max. Dia.	Max. Length	Net Price
120-8552-100	MSS-2P	Black	.390"	1.320"	<b>\$3.37</b>
120-8552-101	MSS-3P	Black	.420"	1.320"	<b>4.56</b>
120-8552-102	MSS-4P	Black	.450"	1.320"	<b>3.74</b>

## RECEPTACLE

Cat. No.	MSS	Colour	Max. Dia.	Max. Length	Net Price
120-8551-100	MSS-2R	Black	.540"	1.420"	<b>3.37</b>
120-8551-101	MSS-3R	Black	.580"	1.420"	<b>3.74</b>
120-8551-102	MSS-4R	Black	.610"	1.420"	<b>3.74</b>

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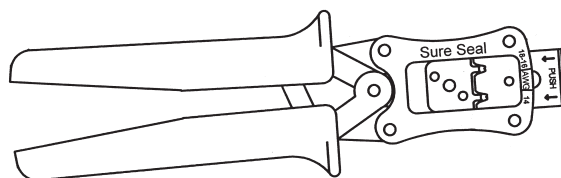


330-8672-100



031-8703-100

Cat. No.	Contact Type	Crimp Type	Net Price
330-8672-100	Pin	Insulation Support	<b>\$ .64</b>
031-8703-100	Socket	Insulation Support	<b>1.68</b>
225-1012-000	Wire Hole Filler		<b>76.01</b>



## HAND CRIMP TOOLS

Cat. No.	Description	Net Price
MSS-CS10	Ergonomic Hand Crimp Tool	<b>\$385.79</b>
MSS2000	Insertion Tool	<b>203.63</b>
MSS2000-TIP	Tip for MSS2000 Insertion Tool	<b>76.01</b>

# electro sonic


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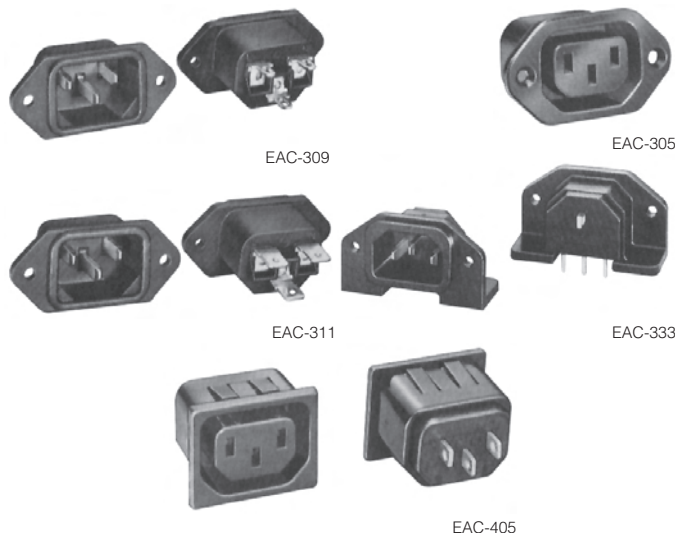
1-800-56-SONIC

www.e-sonic.com

info@e-sonic.com



Part's indicated with a leaf  are considered RoHS July 2006 compliant based on the manufacturer's confirmation at the time of publishing. For additional information please contact Electro Sonic.



## SWITCHCRAFT EAC SERIES RECEPTACLES

The EAC Receptacles are designed for use in European and domestic instrumentation, power rack mounted devices, test equipment and appliances. Insulation resistance: 2 million megohms @ 500 VDC. Dielectric strength: 1500V (rms). Thermal range: -55°C to +85°C.

**EAC305**—3-contact female receptacle. Front mount with two, #4 screws or .094 inch (2.38mm) diameter rivets (not supplied).

**EAC309**—3-pin male receptacle with standard lug terminals. Mounts from front to rear of panel with two, #5 screws or .125 inch (3.18mm) diameter rivets (not included).

**EAC311**—3-pin male receptacle with FASTON® terminals. Mounts from front or rear of panel with two, #5 screws or .125 inch (3.18mm) diameter rivets (not included).

**EAC333**—3-pint, 10A, 250V male receptacle with right-angle housing for PC mount. PC terminals project .130 inch (3.3mm) to extend through PC board. Rear of panel mount. Two, .136 inch (3.45mm) diameter holes permit fastening to PC board; two additional .136 inch (3.45mm) holes are for fastening to panel or chassis, if required.

**EAC409**—3-pin male receptacle with standard solder lug terminals. Snap-in panel mounting. Snap-in mount can be ordered to accommodate .030, .040, .050 and .060 inch panel thickness.

**EAC411**—3-pin male receptacle with FASTON terminals. Snap-in panel mounting. Snap-in mount can be ordered to accommodate .030, .040, .050 and .060 inch panel thickness.

Cat. No.	Current Rating	Net Price Each			
		1-9	10-99	100-499	500-Up
∅ EAC305	15A	\$5.61	\$2.99	\$2.23	\$1.68
∅ EAC309	10A	4.42	3.52	2.50	1.77
∅ EAC311	10A	4.42	3.52	2.50	1.77
∅ EAC333	10A	5.35	2.84	2.12	1.61
∅ EAC409	10A	5.35	2.84	2.12	1.61
∅ EAC411	10A	5.35	2.84	2.12	1.61

## CONXALL INDUSTRIAL AND MARINE WEATHERTIGHT CONNECTORS

A complete indoor/outdoor connector system that offers performance at the cost of a commercial type product. Ideally satisfies power connections for test instruments, calibration or measuring equipment, communications systems, data processing, and entertainment devices. Especially suited for laboratory instruments, medical analysis devices, automotive test equipment, computer peripherals, recording equipment, etc. The non-corrosive, high impact, all moulded construction is perfect for recreational, agricultural, or on/off the road vehicle connections. Hazards of electrical shock are minimized in addition to resistance to hostile outdoor environment. **MATERIAL:** Contact style: Solder cup. Contacts: Gold over nickel plating. Housing: UL black moulded nylon construction. **SPECIFICATIONS:** Voltage Rating: 600V. Temperature Rating: -55°C to +125°C (-67°F to +257°F). UL Recognized, CSA Certified.



## MULTI-CON-X® INDUSTRIAL AND MARINE WEATHERTIGHT CONNECTORS

Cat. No.	Contacts	Cable O.D. Range	Net Price Each		
			1-99	100-499	500-Up
<b>MULTI-CON-X CABLE END CONNECTORS</b>					
<b>SOCKET CONNECTOR</b>					
∅ 3182-2SG-315	2	.15-.17 (3.8-4.3)	\$11.00	\$6.24	\$4.53
∅ 3182-3SG-315	3	.15-.17 (3.8-4.3)	13.28	7.51	5.48
∅ 3282-4SG-315	4	.15-.17 (3.8-4.3)	12.76	7.23	5.28
∅ 3282-5SG-315	5	.15-.17 (3.8-4.3)	14.25	8.08	5.87
∅ 3282-6SG-315	6	.15-.17 (3.8-4.3)	15.71	8.90	6.49
∅ 3282-7SG-315	7	.15-.17 (3.8-4.3)	17.17	9.73	7.07
∅ 3282-8SG-315	8	.15-.17 (3.8-4.3)	18.59	10.53	7.67
∅ 3282-9SG-315	9	.15-.17 (3.8-4.3)	19.98	11.32	8.25
<b>PLUG CONNECTOR</b>					
∅ 3182-2PG-315	2	.15-.17 (3.8-4.3)	8.83	5.01	3.65
∅ 3182-3PG-315	3	.15-.17 (3.8-4.3)	10.44	5.91	4.30
∅ 3282-4PG-315	4	.15-.17 (3.8-4.3)	9.95	5.64	4.10
∅ 3282-5PG-315	5	.15-.17 (3.8-4.3)	10.92	6.19	4.51
∅ 3282-6PG-315	6	.15-.17 (3.8-4.3)	11.86	6.74	4.90
∅ 3282-7PG-315	7	.15-.17 (3.8-4.3)	12.79	7.26	5.28
∅ 3282-8PG-315	8	.15-.17 (3.8-4.3)	13.69	7.76	5.65
∅ 3282-9PG-315	9	.15-.17 (3.8-4.3)	14.59	8.28	6.02

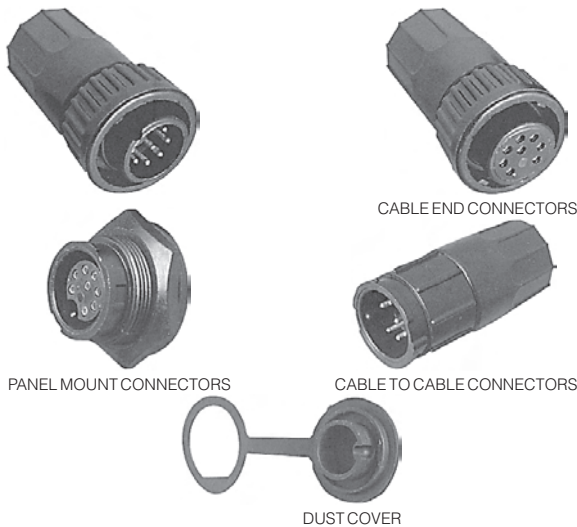
<b>MULTI-CON-X PANEL MOUNT CONNECTORS</b>					
<b>SOCKET CONNECTOR</b>					
∅ 4182-2SG-300	2	—	7.86	4.44	3.24
∅ 4182-3SG-300	3	—	10.14	5.74	4.17
∅ 4282-4SG-300	4	—	9.05	5.11	3.72
∅ 4282-5SG-300	5	—	10.66	6.03	4.40
∅ 4282-6SG-300	6	—	11.71	6.63	4.83
∅ 4282-7SG-300	7	—	13.02	7.36	5.37
∅ 4282-8SG-300	8	—	14.55	8.23	6.00
∅ 4282-9SG-300	9	—	15.79	8.95	6.51
<b>PLUG CONNECTOR</b>					
∅ 4182-2PG-300	2	—	6.51	3.69	2.67
∅ 4182-3PG-300	3	—	8.08	4.59	3.35
∅ 4282-4PG-300	4	—	7.56	4.29	3.12
∅ 4282-5PG-300	5	—	8.53	4.84	3.52
∅ 4282-6PG-300	6	—	9.47	5.36	3.91
∅ 4282-7PG-300	7	—	10.40	5.89	4.28
∅ 4282-8PG-300	8	—	11.30	6.41	4.66
∅ 4282-9PG-300	9	—	12.16	6.91	5.01

**NOTE:** Specify O.D. Range number with suffix: **18** = .18-.20 (4.6-5.1), **21** = .21-.23 (5.3-5.8), **24** = .24-.27 (6.1-6.8), **28** = .28-.32 (7.1-7.4), **30** = .30-.32 (7.6-8.1). Example: 3182-2SG-315 replace with 3182-2SG-318.

Continued on next page....

Cat. No.	Contacts	Cable O.D. Range	Net Price Each		
			1-99	100-499	500-Up
<b>MULTI-CON-X CABLE TO CABLE CONNECTORS</b>					
<b>SOCKET CONNECTOR</b>					
5182-2SG-315	2	.15-.17 (3.8-4.3)	\$10.14	\$5.74	\$4.17
5182-3SG-315	3	.15-.17 (3.8-4.3)	12.42	7.03	5.12
5282-4SG-315	4	.15-.17 (3.8-4.3)	11.90	6.76	4.92
5282-5SG-315	5	.15-.17 (3.8-4.3)	13.39	7.58	5.54
5282-6SG-315	6	.15-.17 (3.8-4.3)	14.63	8.28	6.02
5282-7SG-315	7	.15-.17 (3.8-4.3)	16.05	9.10	6.62
5282-8SG-315	8	.15-.17 (3.8-4.3)	17.47	9.90	7.20
5282-9SG-315	9	.15-.17 (3.8-4.3)	18.86	10.70	7.78
<b>PLUG CONNECTOR</b>					
5182-2PG-315	2	.15-.17 (3.8-4.3)	8.72	4.94	3.59
5182-3PG-315	3	.15-.17 (3.8-4.3)	10.32	5.84	4.25
5282-4PG-315	4	.15-.17 (3.8-4.3)	9.80	5.56	4.04
5282-5PG-315	5	.15-.17 (3.8-4.3)	10.81	6.11	4.45
5282-6PG-315	6	.15-.17 (3.8-4.3)	11.75	6.66	4.85
5282-7PG-315	7	.15-.17 (3.8-4.3)	12.42	7.03	5.12
5282-8PG-315	8	.15-.17 (3.8-4.3)	13.32	7.56	5.50
5282-9PG-315	9	.15-.17 (3.8-4.3)	14.22	8.06	5.87
4295	Dust cover		1.43	1.43	1.43

NOTE: Specify O.D. Range number with suffix: **18** = .18-.20 (4.6-5.1), **21** = .21-.23 (5.3-5.8), **24** = .24-.27 (6.1-6.8), **28** = .24-.28 (7.1-7.4), **30** = .30-.32 (7.6-8.1). Example: 3182-2SG-315 replace with 3182-2SG-318.



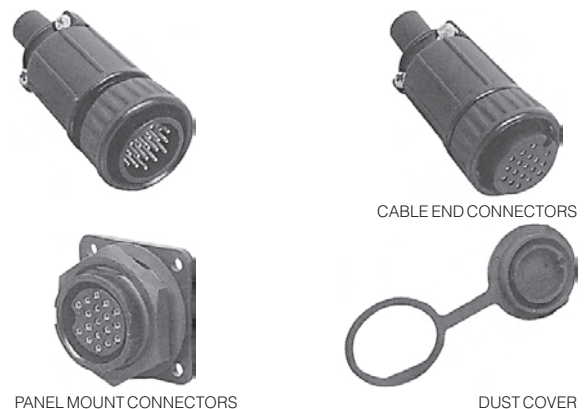
## MINI-CON-X® INDUSTRIAL AND MARINE WEATHERTIGHT CONNECTORS

Cat. No.	Contacts	Cable O.D. Range	Net Price Each		
			1-99	100-499	500-Up
<b>MULTI-CON-X CABLE TO CABLE CONNECTORS</b>					
<b>SOCKET CONNECTOR</b>					
6282-2SG-311	2	.09-.14 (2.3-3.5)	\$7.71	\$4.37	\$3.18
6282-3SG-311	3	.09-.14 (2.3-3.5)	9.31	5.29	3.83
6282-4SG-311	4	.09-.14 (2.3-3.5)	10.85	6.16	4.47
6282-5SG-311	5	.09-.14 (2.3-3.5)	12.34	7.01	5.09
6282-6SG-311	6	.09-.14 (2.3-3.5)	13.80	7.83	5.71
6282-7SG-311	7	.09-.14 (2.3-3.5)	15.26	8.65	6.29
6282-8SG-311	8	.09-.14 (2.3-3.5)	16.68	9.45	6.88
<b>PLUG CONNECTOR</b>					
6282-2PG-311	2	.09-.14 (2.3-3.5)	6.43	3.64	2.66
6282-3PG-311	3	.09-.14 (2.3-3.5)	7.52	4.26	3.10
6282-4PG-311	4	.09-.14 (2.3-3.5)	8.53	4.84	3.52
6282-5PG-311	5	.09-.14 (2.3-3.5)	9.54	5.39	3.93
6282-6PG-311	6	.09-.14 (2.3-3.5)	10.47	5.94	4.32

NOTE: Specify O.D. Range number with suffix: **15** = .15-.17 (3.8-4.3), **18** = .18-.20 (4.6-5.1), **21** = .21-.23 (5.3-5.8). Example: 6282-2SG-311 replace with 6282-2SG-315.

Cat. No.	Contacts	Cable O.D. Range	Net Price Each		
			1-99	100-499	500-Up
<b>MULTI-CON-X PANEL MOUNT CONNECTORS</b>					
<b>SOCKET CONNECTOR</b>					
7282-2SG-300	2	—	\$5.46	\$3.09	\$2.25
7282-3SG-300	3	—	6.92	3.92	2.84
7282-4SG-300	4	—	8.31	4.71	3.42
7282-5SG-300	5	—	9.65	5.46	3.98
7282-6SG-300	6	—	10.96	6.21	4.53
<b>PLUG CONNECTOR</b>					
7282-2PG-300	2	—	4.60	2.62	1.91
7282-3PG-300	3	—	5.69	3.22	2.36
7282-4PG-300	4	—	6.70	3.79	2.77
7282-5PG-300	5	—	7.67	4.34	3.16
7282-6PG-300	6	—	8.60	4.89	3.55
7282-7PG-300	7	—	9.54	5.41	3.93
7282-8PG-300	8	—	10.44	5.91	4.30
<b>MULTI-CON-X CABLE TO CABLE CONNECTORS</b>					
<b>SOCKET CONNECTOR</b>					
8282-2SG-311	2	.09-.14 (2.3-3.5)	7.93	4.49	3.27
8282-3SG-311	3	.09-.14 (2.3-3.5)	9.54	5.39	3.93
8282-4SG-311	4	.09-.14 (2.3-3.5)	11.07	6.26	4.56
8282-5SG-311	5	.09-.14 (2.3-3.5)	12.57	7.11	5.18
8282-6SG-311	6	.09-.14 (2.3-3.5)	14.03	7.96	5.78
<b>PLUG CONNECTOR</b>					
8282-2PG-311	2	.09-.14 (2.3-3.5)	7.07	3.99	2.92
8282-3PG-311	3	.09-.14 (2.3-3.5)	8.16	4.62	3.35
8282-4PG-311	4	.09-.14 (2.3-3.5)	9.17	5.19	3.78
8282-5PG-311	5	.09-.14 (2.3-3.5)	10.14	5.76	4.19
8282-6PG-311	6	.09-.14 (2.3-3.5)	11.11	6.29	4.58
8282-7PG-311	7	.09-.14 (2.3-3.5)	12.01	6.81	4.96
8282-8PG-311	8	.09-.14 (2.3-3.5)	12.94	7.33	5.33
6295	Dust cover		76.01	76.01	76.01

NOTE: Specify O.D. Range number with suffix: **15** = .15-.17 (3.8-4.3), **18** = .18-.20 (4.6-5.1), **21** = .21-.23 (5.3-5.8). Example: 6282-2SG-311 replace with 6282-2SG-315.



## MAXI-CON-X® INDUSTRIAL AND MARINE WEATHERTIGHT CONNECTORS

Continued on next page....

Cat. No.	Contacts	Cable O.D. Range	Net Price Each		
			1-99	100-499	500-Up

### MAXI-CON-X® CABLE END CONNECTORS

#### SOCKET CONNECTOR

13182-7SG-321	7	.21-.25 (5.3-6.3)	\$23.83	\$13.52	\$9.84
13382-10SG-321	10	.21-.25 (5.3-6.3)	26.04	14.76	10.74
13282-18SG-321	18	.21-.25 (5.3-6.3)	33.59	19.05	13.86
13282-20SG-321	20	.21-.25 (5.3-6.3)	35.54	20.13	14.66

#### PLUG CONNECTOR

13182-7PG-321	7	.21-.25 (5.3-6.3)	19.75	11.20	8.14
13382-10PG-321	10	.21-.25 (5.3-6.3)	20.50	11.62	8.46
13282-18PG-321	18	.21-.25 (5.3-6.3)	24.17	13.69	9.97

### MAXI-CON-X® PANEL MOUNT CONNECTORS

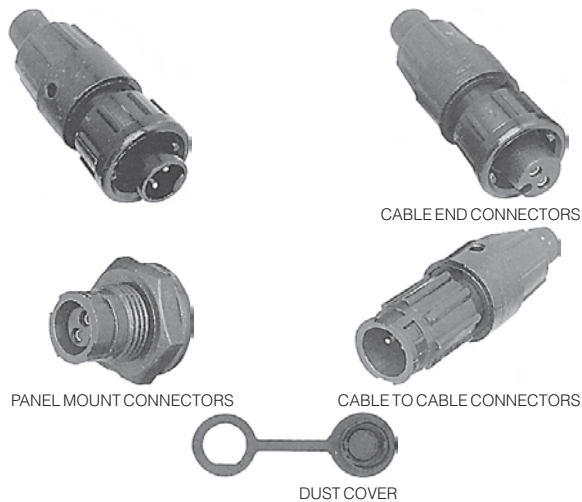
#### SOCKET CONNECTOR

14182-7SG-300	7	—	13.62	9.64	8.02
14382-10SG-300	10	—	13.94	9.87	8.21
14282-18SG-300	18	—	18.93	13.43	11.17

#### PLUG CONNECTOR

14182-7PG-300	7	—	14.22	8.06	5.87
14382-10PG-300	10	—	15.53	8.80	6.40
14282-18PG-300	18	—	19.83	11.25	8.17
14282-20PG-300	20	—	20.72	11.75	8.55
14295	Dust cover		76.01	76.01	76.01

NOTE: Specify O.D. Range number with suffix: **26** = .26-.30 (6.6-7.6), **31** = .31-.38 (7.8-9.6). Example: 13182-7SG-321 replace with 13182-7SG-326.



### MICRO-CON-X® INDUSTRIAL AND MARINE WEATHERTIGHT CONNECTORS

Cat. No.	Contacts	Cable O.D. Range	Net Price Each		
			1-99	100-499	500-Up

### MICRO-CON-X® CABLE END CONNECTORS

#### SOCKET CONNECTOR

16282-2SG-311	2	.09-.14 (2.3-3.5)	\$7.18	\$4.09	\$2.98
16282-3SG-311	3	.09-.14 (2.3-3.5)	8.79	4.99	3.63

#### PLUG CONNECTOR

16282-2PG-311	2	.09-.14 (2.3-3.5)	6.25	3.54	2.58
16282-3PG-311	3	.09-.14 (2.3-3.5)	7.33	4.14	3.03

### MICRO-CON-X® PANEL MOUNT CONNECTORS

#### SOCKET CONNECTOR

7282-2SG-300	2	—	5.46	3.09	2.25
7282-3SG-300	3	—	6.92	3.92	2.84

#### PLUG CONNECTOR

17282-2PG-300	2	—	4.56	2.59	1.89
17282-3PG-300	3	—	5.65	3.19	2.34

NOTE: Specify O.D. Range number with suffix: **15** = .15-.17 (3.8-4.3), **18** = .18-.20 (4.6-5.1). Example: 16282-2SG-311 replace with 16282-2SG-315.

Cat. No.	Contacts	Cable O.D. Range	Net Price Each		
			1-99	100-499	500-Up

### MICRO-CON-X® CABLE TO CABLE CONNECTORS

#### SOCKET CONNECTOR

18282-3SG-311	3	.09-.14 (2.3-3.5)	\$8.46	\$4.79	\$3.48
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#### PLUG CONNECTOR

18282-2PG-311	3	.09-.14 (2.3-3.5)	4.34	2.44	1.78
16295	Dust cover		1.76	1.76	1.76

NOTE: Specify O.D. Range number with suffix: **15** = .15-.17 (3.8-4.3), **18** = .18-.20 (4.6-5.1). Example: 16282-2SG-311 replace with 16282-2SG-315.

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