

# Amphenol SCE2/Terrapin Series



## MINIATURE PUSH-PULL CONNECTOR FOR HARSH APPLICATIONS

Amphenol's SCE2 Terrapin series of miniature push-pull connectors are environmentally-sealed for use in harsh environments. They offer silent mating with high mating cycles and a lockable coupling ring to prevent connector break-away. For more product details, please see full specifications below.

### APPLICATIONS

- Radios
- GPS units
- LAN switches and routers
- Headsets
- Computer systems
- Gigabit ethernet

### TECHNICAL SPECIFICATIONS

#### MATERIALS AND FINISHES

|                  |                               |
|------------------|-------------------------------|
| Shell Material   | Brass                         |
| Shell Plating    | Black-silver (non-reflective) |
| Contact Material | Copper alloy                  |
| Contact Plating  | 1μM of gold over nickel       |

#### ELECTRICAL DATA

|                                 |                            |                          |
|---------------------------------|----------------------------|--------------------------|
| Current Rating                  | 23AWG contacts: 3A DC      | 20AWG contacts: 7.5A DC  |
| Shell-to-Shell Continuity       | 10mΩ max (shielded)        | 200mΩ max (unshielded)   |
| Contact Resistance              | Size 20 & 23 AWG contacts: | 5mΩ initial 10mΩ maximum |
| Insulation Resistance           | 5000mΩ minimum             |                          |
| Working Voltage                 | 400Vac (rms)               |                          |
| Dielectric Withstanding Voltage | 2mA maximum leakage        |                          |

#### TECHNICAL

|                      |              |
|----------------------|--------------|
| Mating Durability    | 2000+ cycles |
| Backshell Overtorque | 25 lb.f.in.  |
| Panel Nut Overtorque | 30 lb.f.in.  |
| Non-magnetic         | Yes          |

#### ENVIRONMENTAL

|                                       |                                     |
|---------------------------------------|-------------------------------------|
| Operating Temperature Range           | -67°F to + 248°F (-55°C to + 125°C) |
| Temperature Endurance                 | 250 hours +125°C                    |
| Sealing (mated and unmated)           | IP68, 1 hour at 2 meters*           |
| Air Leakage                           | Less than 1cc per hour              |
| Salt Spray                            | 1000-hours                          |
| Altitude Immersion                    | 70,000 feet                         |
| RoHS-Compliant                        | Yes                                 |
| Suitable for RoHS-Compliant Soldering | Yes                                 |

\*Contact us if greater depth/duration of sealing is required

## RECEPTACLES

| CABLE-MOUNT RECEPTACLES (PINS)<br>SOLDER BUCKETS ONLY |                                        |                                        |                                                         |                                              | PANEL-MOUNT RECEPTACLES (PINS)                                                    |                                    |            |
|-------------------------------------------------------|----------------------------------------|----------------------------------------|---------------------------------------------------------|----------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------|------------|
|                                                       |                                        |                                        |                                                         |                                              |                                                                                   |                                    |            |
| # of Contacts                                         | 01K Receptacle with Integral Backshell | 01T Receptacle with Threaded Backshell | L1K Locking Receptacle w/ Integral Backshell            | L1T Locking Receptacle w/ Threaded Backshell | 07A Rear Mount Jam Nut Receptacle                                                 | 71A Front Mount Jam Nut Receptacle | Shell Size |
| 7                                                     | SCE2-B-01K06-07P*                      | SCE2-B-01T06-07P*-003                  | SCE2-B-L1K06-07P*                                       | SCE2-B-L1T06-07P*-003                        | SCE2-B-07A06-07P*-XXX                                                             | SCE2-B-71A06-07P*-XXX              | 6          |
| 10                                                    | SCE2-B-01K07-10AP*                     | SCE2-B-01T07-10AP*-003                 | SCE2-B-L1K07-10AP*                                      | SCE2-B-L1T07-10AP*-003                       | SCE2-B-07A07-10AP*-XXX                                                            | SCE2-B-71A07-10AP*-XXX             | 7          |
| 12                                                    | SCE2-B-01K07-12P*                      | SCE2-B-01T07-12P*-003                  | SCE2-B-L1K07-12P*                                       | SCE2-B-L1T07-12P*-003                        | SCE2-B-07A07-12P*-XXX                                                             | SCE2-B-71A07-12P*-XXX              | 7          |
| 14                                                    | SCE2-B-01K07-14P*                      | SCE2-B-01T07-14P*-003                  | SCE2-B-L1K07-14P*                                       | SCE2-B-L1T07-14P*-003                        | SCE2-B-07A07-14P*-XXX                                                             | SCE2-B-71A07-14P*-XXX              | 7          |
| 19                                                    | SCE2-B-01K08-19P*                      | SCE2-B-01T08-19P*-003                  | SCE2-B-L1K08-19P*                                       | SCE2-B-L1T08-19P*-003                        | SCE2-B-07A08-19P*-XXX                                                             | SCE2-B-71A08-19P*-XXX              | 8          |
| 26                                                    | SCE2-B-01K09-26P*                      | SCE2-B-01T09-26P*-003                  | SCE2-B-L1K09-26P*                                       | SCE2-B-L1T09-26P*-003                        | SCE2-B-07A09-26P*-XXX                                                             | SCE2-B-71A09-26P*-XXX              | 9          |
| 37                                                    | SCE2-B-01K10-37P*                      | SCE2-B-01T10-37P*-003                  | SCE2-B-L1K10-37P*                                       | SCE2-B-L1T10-37P*-003                        | SCE2-B-07A10-37P*-XXX                                                             | SCE2-B-71A10-37P*-XXX              | 10         |
| * = Include keyway orientations N,A,B,C,D             |                                        |                                        | Add -985 for grounding spring on L1K and L1T types only |                                              | XXX = Contact Termination Code<br>use -001 for PCB<br>use -002 for Solder Buckets |                                    |            |

➔ See page 298 for layouts and keyways.

↑  
Mates with  
↓

## PLUGS

| CABLE-MOUNT PLUGS (SOCKETS) |                             |                              |                                                   | IN-LINE PLUGS (SOCKETS)<br>SOLDER BUCKETS ONLY |                                        |            |
|-----------------------------|-----------------------------|------------------------------|---------------------------------------------------|------------------------------------------------|----------------------------------------|------------|
|                             |                             |                              |                                                   |                                                |                                        |            |
| # of Contacts               | 76A Rear Mount Jam Nut Plug | 67A Front Mount Jam Nut Plug | 76T Rear Mount Jam Nut w/ Threaded Backshell Plug | 06K In-Line Plug w/ Integral Backshell         | 06T In-Line Plug w/ Threaded Backshell | Shell Size |
| 7                           | SCE2-B-76A06-07S*-XXX       | SCE2-B-67A06-07S*-XXX        | SCE2-B-76T06-07S*-002                             | SCE2-B-06K06-07S*                              | SCE2-B-06T06-07S*-003                  | 6          |
| 10                          | SCE2-B-76A07-10AS*-XXX      | SCE2-B-67A07-10AS*-XXX       | SCE2-B-76T07-10AS*-002                            | SCE2-B-06K07-10AS*                             | SCE2-B-06T07-10AS*-003                 | 7          |
| 12                          | SCE2-B-76A07-12S*-XXX       | SCE2-B-67A07-12S*-XXX        | SCE2-B-76T07-12S*-002                             | SCE2-B-06K07-12S*                              | SCE2-B-06T07-12S*-003                  | 7          |
| 14                          | SCE2-B-76A07-14S*-XXX       | SCE2-B-67A07-14S*-XXX        | SCE2-B-76T07-14S*-002                             | SCE2-B-06K07-14S*                              | SCE2-B-06T07-14S*-003                  | 7          |
| 19                          | SCE2-B-76A08-19S*-XXX       | SCE2-B-67A08-19S*-XXX        | SCE2-B-76T08-19S*-002                             | SCE2-B-06K08-19S*                              | SCE2-B-06T08-19S*-003                  | 8          |
| 26                          | SCE2-B-76A09-26S*-XXX       | SCE2-B-67A09-26S*-XXX        | SCE2-B-76T09-26S*-002                             | SCE2-B-06K09-26S*                              | SCE2-B-06T09-26S*-003                  | 9          |
| 37                          | SCE2-B-76A10-37S*-XXX       | SCE2-B-67A10-37S*-XXX        | SCE2-B-76T10-37S*-002                             | SCE2-B-06K10-37S*                              | SCE2-B-06T10-37S*-003                  | 10         |

XXX = Contact termination code  
use -001 for PCB  
use -002 for solder buckets

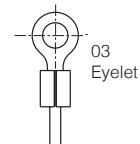
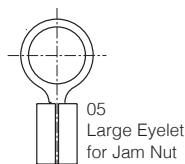
\* = Include keyway orientations N,A,B,C,D

➔ See page 298 for layouts and keyways.

## RECEPTACLE ACCESSORIES

| DUSTCAPS FOR RECEPTACLES                                                           |                    |                    |                    |                    |                               |                    | SHRINK BOOTS                                                                        |                 |                                                                                     |                 |
|------------------------------------------------------------------------------------|--------------------|--------------------|--------------------|--------------------|-------------------------------|--------------------|-------------------------------------------------------------------------------------|-----------------|-------------------------------------------------------------------------------------|-----------------|
|  |                    |                    |                    |                    |                               |                    |  |                 |  |                 |
| Shell Size                                                                         | Metal              | Rubber             | Metal              | Rubber             | Metal                         | Rubber             | Straight                                                                            | Cable Exit Dia. | Right Angle                                                                         | Cable Exit Dia. |
|                                                                                    | with Crimp Ferrule |                    | with Eyelet        |                    | with Large Eyelet for Jam Nut |                    |                                                                                     |                 |                                                                                     |                 |
| 6                                                                                  | 390-5056-06-###-02 | 390-5063-06-###-02 | 390-5056-06-###-03 | 390-5063-06-###-03 | 390-5056-06-###-05            | 390-5063-06-###-05 | 123GB-0798-06-S                                                                     | 0.24<br>(6.10)  | 123GB-0798-06-R                                                                     | 0.22<br>(5.59)  |
| 7                                                                                  | 390-5056-07-###-02 | 390-5063-07-###-02 | 390-5056-07-###-03 | 390-5063-07-###-03 | 390-5056-07-###-05            | 390-5063-07-###-05 | 123GB-0798-07-S                                                                     | 0.24<br>(6.10)  | 123GB-0798-07-R                                                                     | 0.25<br>(6.35)  |
| 8                                                                                  | 390-5056-08-###-02 | 390-5063-08-###-02 | 390-5056-08-###-03 | 390-5063-08-###-03 | 390-5056-08-###-05            | 390-5063-08-###-05 | 123GB-0798-08-S                                                                     | 0.24<br>(6.10)  | 123GB-0798-08-R                                                                     | 0.25<br>(6.35)  |
| 9                                                                                  | 390-5056-09-###-02 | 390-5063-09-###-02 | 390-5056-09-###-03 | 390-5063-09-###-03 | 390-5056-09-###-05            | 390-5063-09-###-05 | 123GB-0798-09-S                                                                     | 0.24<br>(6.10)  | 123GB-0798-09-R                                                                     | 0.25<br>(6.35)  |
| 10                                                                                 | 390-5056-10-###-02 | 390-5063-10-###-02 | 390-5056-10-###-03 | 390-5063-10-###-03 | 390-5056-10-###-05            | 390-5063-10-###-05 | 123GB-0798-10-S                                                                     | 0.24<br>(6.10)  | 123GB-0798-10-R                                                                     | 0.25<br>(6.35)  |

### = Length of cord 060,130,180 mm (other options available, please contact us)



## PLUG ACCESSORIES

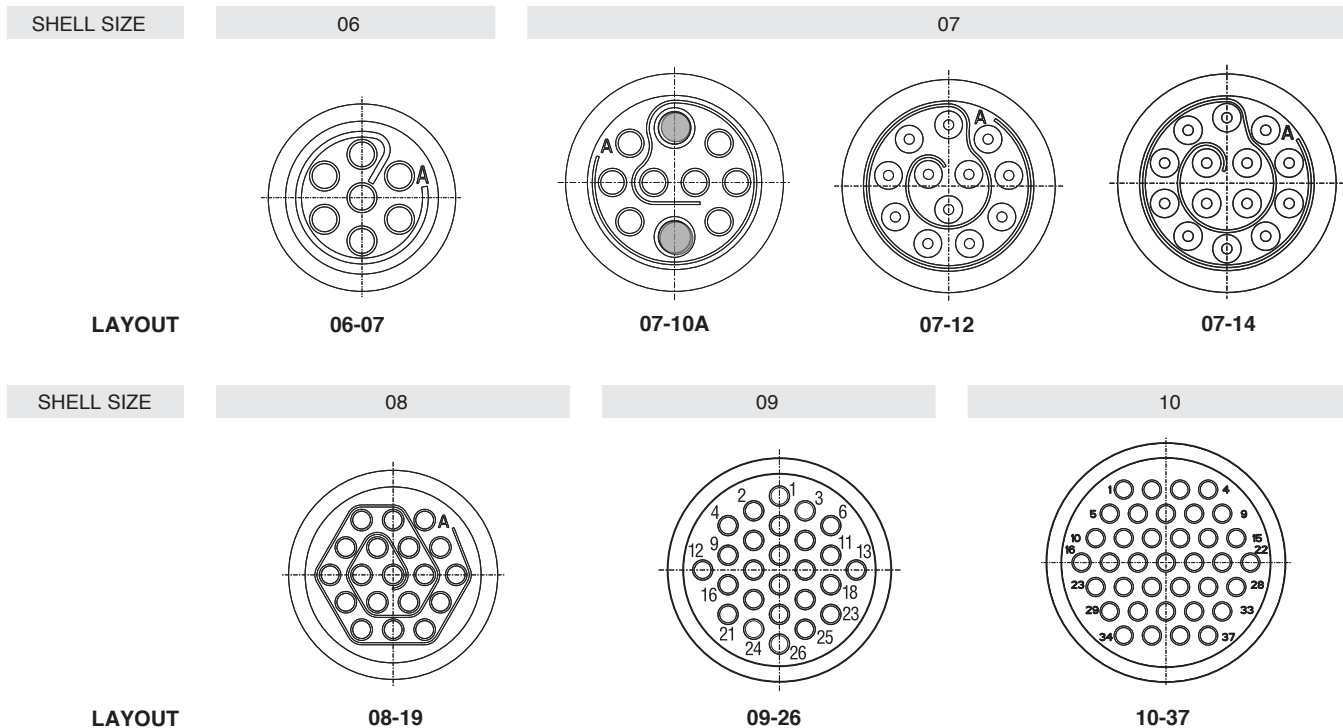
| DUSTCAPS FOR PLUGS                                                                   |                    |                    |                    |                    |                               |                    | SHRINK BOOTS                                                                          |                 |                                                                                       |                 |
|--------------------------------------------------------------------------------------|--------------------|--------------------|--------------------|--------------------|-------------------------------|--------------------|---------------------------------------------------------------------------------------|-----------------|---------------------------------------------------------------------------------------|-----------------|
|  |                    |                    |                    |                    |                               |                    |  |                 |  |                 |
| Shell Size                                                                           | Metal              | Rubber             | Metal              | Rubber             | Metal                         | Rubber             | Straight                                                                              | Cable Exit Dia. | Right Angle                                                                           | Cable Exit Dia. |
|                                                                                      | with Crimp Ferrule |                    | with Eyelet        |                    | with Large Eyelet for Jam Nut |                    |                                                                                       |                 |                                                                                       |                 |
| 6                                                                                    | 390-5057-06-###-02 | 390-5064-06-###-02 | 390-5057-06-###-03 | 390-5064-06-###-03 | 390-5057-06-###-05            | 390-5064-06-###-05 | 123GB-0798-06-S                                                                       | 0.24<br>(6.10)  | 123GB-0798-06-R                                                                       | 0.22<br>(5.59)  |
| 7                                                                                    | 390-5057-07-###-02 | 390-5064-07-###-02 | 390-5057-07-###-03 | 390-5064-07-###-03 | 390-5057-07-###-05            | 390-5064-07-###-05 | 123GB-0798-07-S                                                                       | 0.24<br>(6.10)  | 123GB-0798-07-R                                                                       | 0.25<br>(6.35)  |
| 8                                                                                    | 390-5057-08-###-02 | 390-5064-08-###-02 | 390-5057-08-###-03 | 390-5064-08-###-03 | 390-5057-08-###-05            | 390-5064-08-###-05 | 123GB-0798-08-S                                                                       | 0.24<br>(6.10)  | 123GB-0798-08-R                                                                       | 0.25<br>(6.35)  |
| 9                                                                                    | 390-5057-09-###-02 | 390-5064-09-###-02 | 390-5057-09-###-03 | 390-5064-09-###-03 | 390-5057-09-###-05            | 390-5064-09-###-05 | 123GB-0798-09-S                                                                       | 0.24<br>(6.10)  | 123GB-0798-09-R                                                                       | 0.25<br>(6.35)  |
| 10                                                                                   | 390-5057-10-###-02 | 390-5064-10-###-02 | 390-5057-10-###-03 | 390-5064-10-###-03 | 390-5057-10-###-05            | 390-5064-10-###-05 | 123GB-0798-10-S                                                                       | 0.24<br>(6.10)  | 123GB-0798-10-R                                                                       | 0.25<br>(6.35)  |

### = Length of cord 060,130,180 mm (other options available, please contact us.)

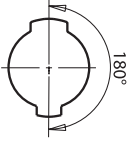
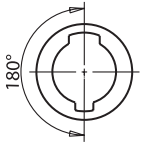
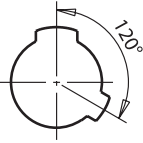
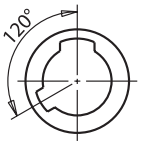
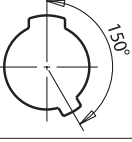
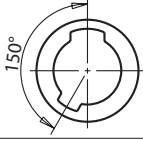
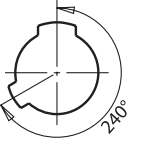
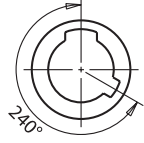
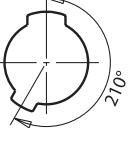
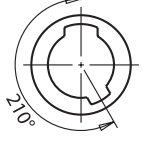
All dimensions in inches (millimeters in parenthesis)

## INSERT ARRANGEMENTS REAR VIEW OF THE PLUG

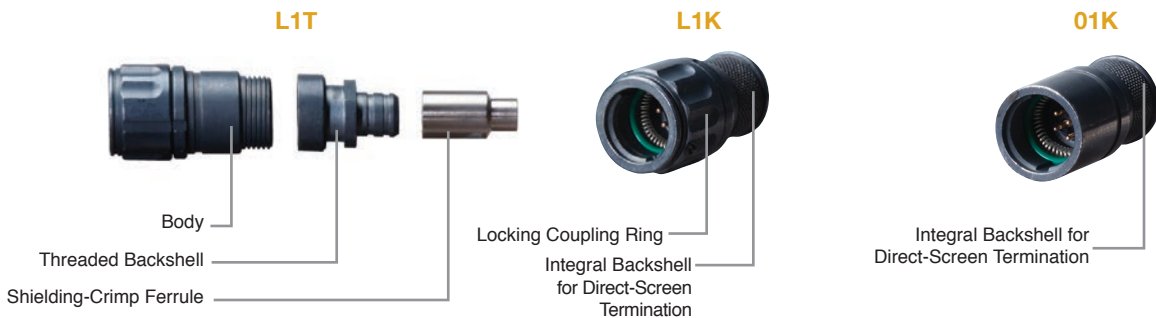
○ 23AWG contacts  
● 20AWG contacts



## PLUG AND RECEPTACLE KEYWAY ORIENTATION

| KEYWAY ORIENTATION LETTER | PLUG KEYWAY ORIENTATION                                                             | RECEPTACLE KEYWAY ORIENTATION                                                       | KEYWAY ORIENTATION LETTER | PLUG KEYWAY ORIENTATION                                                               | RECEPTACLE KEYWAY ORIENTATION                                                         |
|---------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| N                         |  |  | C                         |  |  |
| A                         |  |  | D                         |  |  |
| B                         |  |  |                           |                                                                                       |                                                                                       |

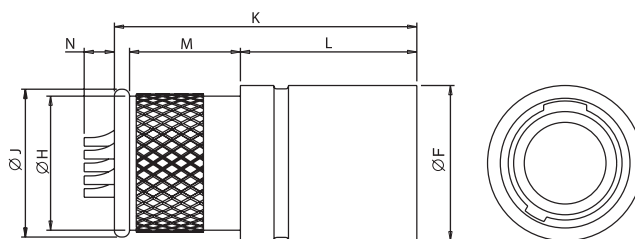
## TERMINOLOGY



## DIMENSIONS

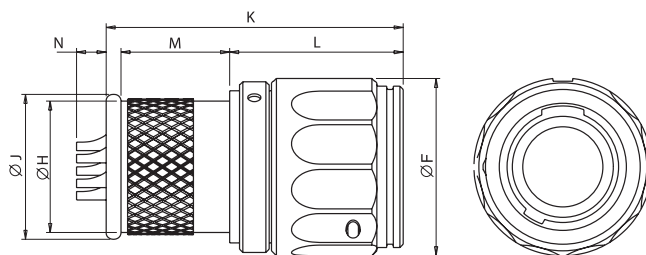
## RECEPTACLES (PINS)

## SCE2-X-01K - IN-LINE RECEPTACLE WITH INTEGRAL BACKSHELL



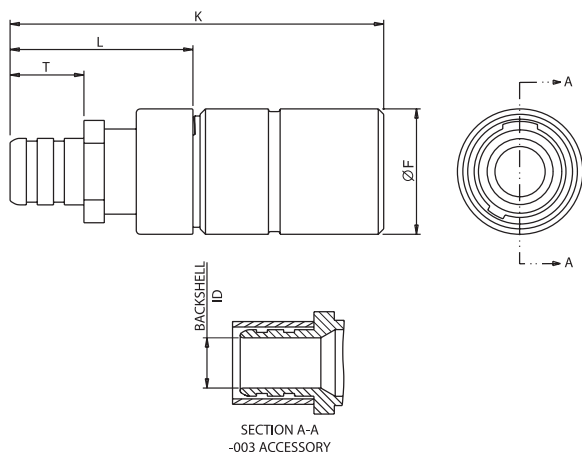
| SHELL SIZE | ØF           | ØH           | ØJ           | K            | L            | M            | N           |
|------------|--------------|--------------|--------------|--------------|--------------|--------------|-------------|
| 06         | .462 (11.73) | .399 (10.13) | .440 (11.18) | .900 (22.86) | .525 (13.34) | .330 (8.38)  | .090 (2.29) |
| 07         | .575 (14.61) | .460 (11.68) | .505 (12.83) | .900 (22.86) | .525 (13.34) | .330 (8.38)  | .090 (2.29) |
| 08         | .620 (15.75) | .581 (14.76) | .620 (15.75) | .900 (22.86) | .525 (13.34) | .330 (8.38)  | .090 (2.29) |
| 09         | .691 (17.55) | .651 (16.54) | .690 (17.53) | .970 (24.64) | .525 (13.34) | .400 (10.16) | .020 (0.51) |
| 10         | .761 (19.33) | .721 (18.31) | .760 (19.30) | .970 (24.64) | .525 (13.34) | .400 (10.16) | .020 (0.51) |

## SCE2-X-L1K - IN-LINE LATCHING RECEPTACLE WITH INTEGRAL BACKSHELL



| SHELL SIZE | ØF           | ØH           | ØJ           | K            | L            | M            | N           |
|------------|--------------|--------------|--------------|--------------|--------------|--------------|-------------|
| 06         | .540 (13.75) | .399 (10.14) | .440 (11.18) | .902 (22.91) | .527 (13.39) | .330 (8.38)  | .090 (2.29) |
| 07         | .610 (15.50) | .447 (11.35) | .505 (12.83) | .902 (22.91) | .527 (13.39) | .330 (8.38)  | .090 (2.29) |
| 08         | .699 (17.75) | .581 (14.75) | .620 (15.75) | .902 (22.91) | .527 (13.39) | .330 (8.38)  | .090 (2.29) |
| 09         | .770 (19.56) | .651 (16.54) | .690 (17.53) | .972 (24.69) | .527 (13.39) | .400 (10.16) | .090 (2.29) |
| 10         | .840 (21.34) | .721 (18.31) | .760 (19.30) | .972 (24.69) | .527 (13.39) | .400 (10.16) | .090 (2.29) |

## SCE2-X-01T - IN-LINE RECEPTACLE WITH THREADED BACKSHELL

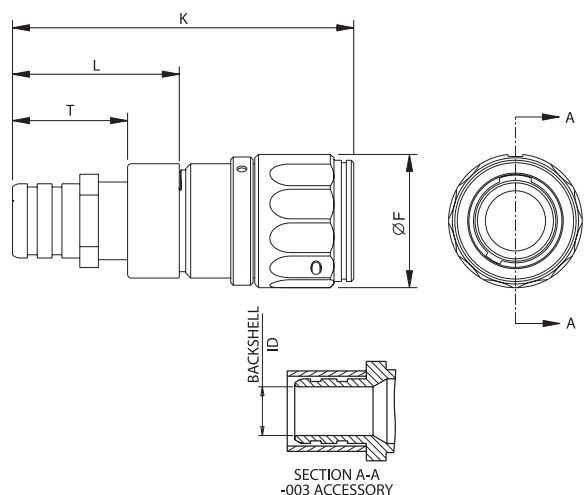


| SHELL SIZE | ØF           | K             | L            | T           | BACKSHELL ID<br>-003 |
|------------|--------------|---------------|--------------|-------------|----------------------|
| 06         | .462 (11.73) | 1.377 (34.98) | .674 (17.12) | .272 (6.91) | .185 (4.70)          |
| 07         | .575 (14.61) | 1.377 (34.98) | .674 (17.12) | .272 (6.91) | .265 (6.73)          |
| 08         | .620 (15.75) | 1.377 (34.98) | .674 (17.12) | .272 (6.91) | .345 (8.76)          |
| 09         | .690 (17.53) | 1.447 (36.75) | .674 (17.12) | .272 (6.91) | .425 (10.80)         |
| 10         | .760 (19.30) | 1.447 (36.75) | .674 (17.12) | .272 (6.91) | .505 (12.83)         |

All dimensions in inches (millimeters in parenthesis)

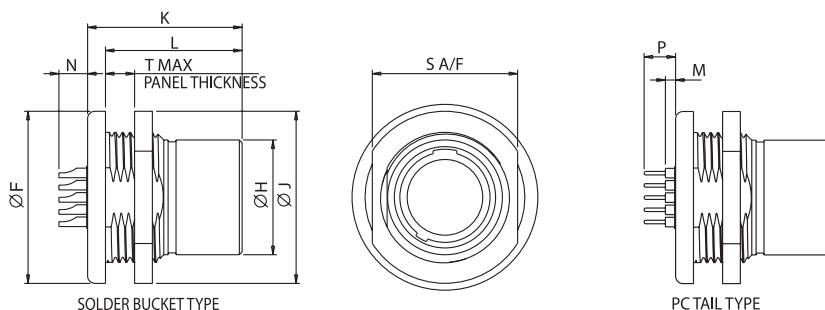
## RECEPTACLES (PINS)

## SCE2-X-L1T - IN-LINE LATCHING RECEPTACLE WITH THREADED BACKSHELL



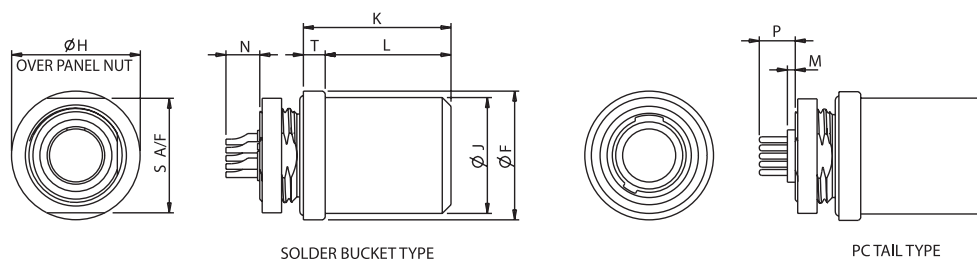
| SHELL SIZE | ØF           | K             | L            | T            | BACKSHELL ID<br>-003 |
|------------|--------------|---------------|--------------|--------------|----------------------|
| Size 06    | .538 (13.67) | 1.379 (35.03) | .674 (17.12) | .465 (11.81) | .185 (4.70)          |
| Size 07    | .610 (15.50) | 1.379 (35.03) | .674 (17.12) | .465 (11.81) | .265 (6.73)          |
| Size 08    | .699 (17.75) | 1.379 (35.03) | .674 (17.12) | .465 (11.81) | .345 (8.76)          |
| Size 09    | .770 (19.56) | 1.449 (36.80) | .674 (17.12) | .465 (11.81) | .425 (10.80)         |
| Size 10    | .840 (21.34) | 1.449 (36.80) | .674 (17.12) | .465 (11.81) | .505 (12.83)         |

## SCE2-X-07A - JAM NUT - REAR MOUNT RECEPTACLE



| SHELL SIZE | ØF            | ØH           | ØJ            | K            | L            | M           | N           | P           | SAF          | TMAX        |
|------------|---------------|--------------|---------------|--------------|--------------|-------------|-------------|-------------|--------------|-------------|
| Size 06    | .750 (19.05)  | .462 (11.73) | .750 (19.05)  | .835 (21.21) | .738 (18.75) | .055 (1.40) | .155 (3.94) | .170 (4.42) | .672 (17.07) | .157 (4.45) |
| Size 07    | .895 (22.73)  | .575 (14.61) | .895 (22.73)  | .835 (21.21) | .738 (18.75) | .055 (1.40) | .155 (3.94) | .170 (4.42) | .750 (19.05) | .157 (4.45) |
| Size 08    | .930 (23.62)  | .620 (15.75) | .930 (23.62)  | .835 (21.21) | .738 (18.75) | .055 (1.40) | .155 (3.94) | .170 (4.42) | .825 (20.96) | .157 (4.45) |
| Size 09    | 1.005 (25.53) | .690 (17.53) | 1.005 (25.53) | .905 (22.99) | .808 (20.52) | N/A         | .080 (2.03) | .170 (4.42) | .900 (22.86) | .157 (4.45) |
| Size 10    | 1.080 (27.43) | .760 (19.30) | 1.080 (27.43) | .905 (22.99) | .808 (20.52) | N/A         | .080 (2.03) | .170 (4.42) | .975 (24.77) | .157 (4.45) |

## SCE2-X-71A - JAM NUT - FRONT MOUNT RECEPTACLE



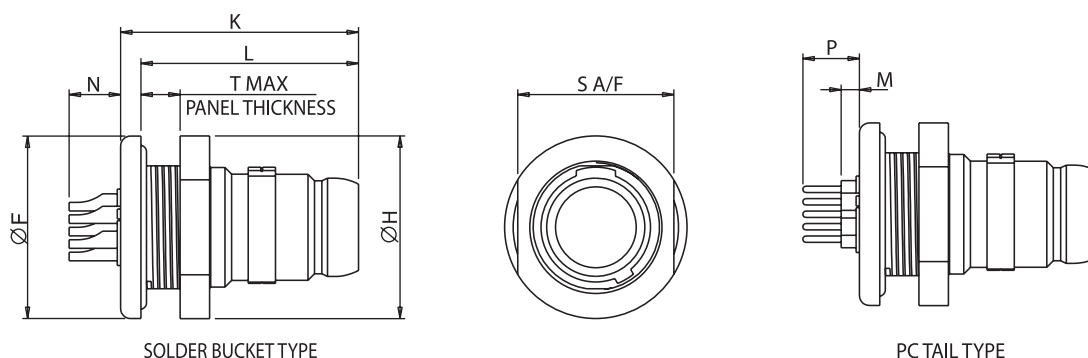
| SHELL SIZE | ØF           | ØH           | ØJ           | K            | L            | M           | N           | P           | SAF          | TMAX        |
|------------|--------------|--------------|--------------|--------------|--------------|-------------|-------------|-------------|--------------|-------------|
| Size 06    | .590 (14.99) | .462 (11.73) | .590 (14.99) | .877 (22.28) | .677 (17.20) | .015 (0.38) | .113 (2.87) | .130 (3.30) | .525 (13.34) | .100 (2.54) |
| Size 07    | .620 (15.75) | .575 (14.61) | .620 (15.75) | .877 (22.28) | .677 (17.20) | .015 (0.38) | .113 (2.87) | .130 (3.30) | .685 (17.40) | .100 (2.54) |
| Size 08    | .760 (19.30) | .620 (15.75) | .760 (19.30) | .877 (22.28) | .677 (17.20) | .015 (0.38) | .113 (2.87) | .130 (3.30) | .825 (20.96) | .100 (2.54) |
| Size 09    | .890 (22.61) | .690 (17.53) | .890 (22.61) | .947 (24.05) | .747 (18.97) | N/A         | .113 (2.87) | .060 (1.52) | .955 (24.26) | .100 (2.54) |
| Size 10    | .930 (20.62) | .760 (19.30) | .930 (20.62) | .947 (24.05) | .747 (18.97) | N/A         | .113 (2.87) | .060 (1.52) | .995 (25.27) | .100 (2.54) |

All dimensions in inches (millimeters in parenthesis)

# DIMENSIONS

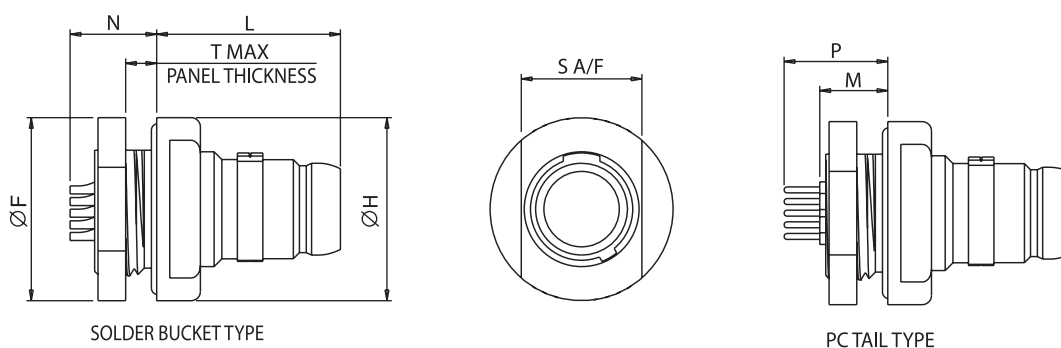
## PLUGS (SOCKETS)

### SCE2-X-76A - JAM NUT - REAR MOUNT PLUG



| SHELL SIZE | ØF           | ØH           | K            | L            | M           | N           | P           | S A/F        | T MAX.      |
|------------|--------------|--------------|--------------|--------------|-------------|-------------|-------------|--------------|-------------|
| 06         | .550 (13.97) | .550 (13.97) | .716 (18.19) | .655 (16.64) | .114 (2.89) | .155 (3.94) | .170 (4.32) | .470 (11.94) | .118 (3.00) |
| 07         | .620 (15.75) | .600 (15.24) | .716 (18.19) | .655 (16.64) | .114 (2.89) | .155 (3.94) | .170 (4.32) | .510 (12.95) | .118 (3.00) |
| 08         | .760 (19.30) | .760 (19.30) | .716 (18.19) | .655 (16.64) | .114 (2.89) | .155 (3.94) | .170 (4.32) | .706 (17.93) | .118 (3.00) |
| 09         | .890 (22.61) | .830 (21.08) | .802 (20.37) | .725 (18.42) | .114 (2.89) | .085 (2.16) | .250 (6.35) | .745 (18.92) | .118 (3.00) |
| 10         | .930 (20.62) | .900 (22.86) | .802 (20.37) | .725 (18.42) | .114 (2.89) | .085 (2.16) | .250 (6.35) | .808 (20.52) | .125 (3.18) |

### SCE2-X-67A - JAM NUT - FRONT MOUNT PLUG



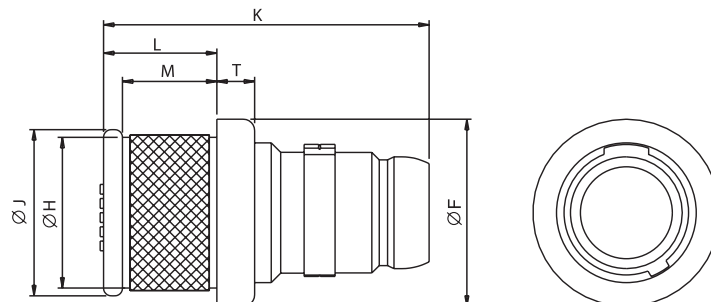
| SHELL SIZE | ØF           | ØH           | L            | M           | N           | P            | S A/F        | T MAX.      |
|------------|--------------|--------------|--------------|-------------|-------------|--------------|--------------|-------------|
| 06         | .590 (14.99) | .590 (14.99) | .592 (13.04) | .324 (8.23) | .279 (7.09) | .424 (10.78) | .525 (13.34) | .100 (2.54) |
| 07         | .620 (15.75) | .620 (15.75) | .592 (13.04) | .324 (8.23) | .279 (7.09) | .424 (10.78) | .685 (17.40) | .100 (2.54) |
| 08         | .760 (19.30) | .760 (19.30) | .592 (13.04) | .324 (8.23) | .279 (7.09) | .424 (10.78) | .825 (20.96) | .100 (2.54) |
| 09         | .890 (22.61) | .890 (22.61) | .662 (16.82) | .254 (6.45) | .209 (5.31) | .354 (8.99)  | .955 (24.26) | .100 (2.54) |
| 10         | .930 (23.62) | .930 (23.62) | .662 (16.82) | .254 (6.45) | .209 (5.31) | .354 (8.99)  | .995 (25.27) | .100 (2.54) |

All dimensions in inches (millimeters in parenthesis)

# DIMENSIONS

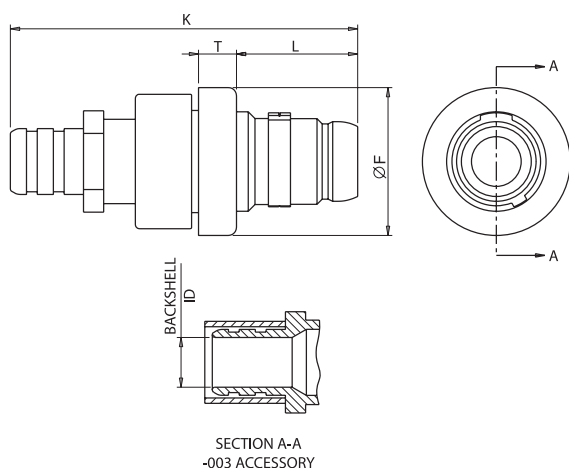
## PLUGS (SOCKETS)

### SCE2-X-06K - IN-LINE PLUG WITH INTEGRAL BACKSHELL



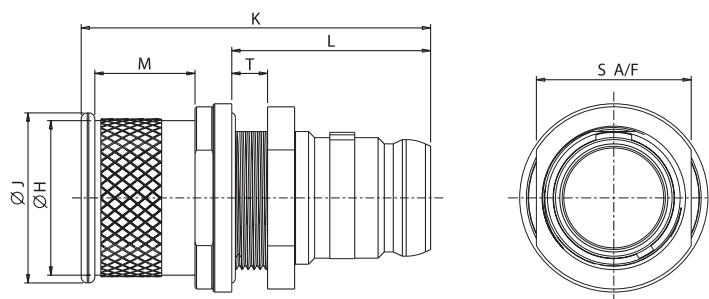
| SHELL SIZE | ØF           | ØH           | ØJ           | K            | L           | M           | T           |
|------------|--------------|--------------|--------------|--------------|-------------|-------------|-------------|
| 06         | .495 (12.57) | .412 (10.46) | .440 (11.18) | .862 (21.89) | .300 (7.62) | .250 (6.35) | .100 (2.54) |
| 07         | .575 (14.61) | .460 (11.68) | .505 (12.83) | .862 (21.89) | .300 (7.62) | .250 (6.35) | .100 (2.54) |
| 08         | .650 (16.51) | .593 (15.06) | .620 (15.75) | .862 (21.89) | .300 (7.62) | .250 (6.35) | .100 (2.54) |
| 09         | .725 (18.42) | .651 (16.54) | .690 (17.53) | .932 (23.67) | .300 (7.62) | .250 (6.35) | .100 (2.54) |
| 10         | .800 (20.32) | .721 (18.31) | .760 (19.30) | .932 (23.67) | .300 (7.62) | .250 (6.35) | .100 (2.54) |

### SCE2-X-06T - IN-LINE PLUG WITH THREADED BACKSHELL



| SHELL SIZE | ØF           | K             | L            | T           | BACKSHELL ID<br>-003 |
|------------|--------------|---------------|--------------|-------------|----------------------|
| 06         | .550 (13.97) | 1.292 (32.82) | .451 (11.46) | .141 (3.58) | .185 (4.70)          |
| 07         | .630 (16.00) | 1.292 (32.82) | .451 (11.46) | .141 (3.58) | .265 (6.73)          |
| 08         | .705 (17.91) | 1.292 (32.82) | .451 (11.46) | .141 (3.58) | .345 (8.76)          |
| 09         | .780 (19.81) | 1.362 (34.60) | .521 (13.23) | .141 (3.58) | .425 (10.80)         |
| 10         | .855 (21.72) | 1.362 (34.60) | .521 (13.23) | .141 (3.58) | .505 (12.83)         |

### SCE2-X-76T - JAM NUT - REAR MOUNT PLUG WITH SCREW-ON BACKSHELL

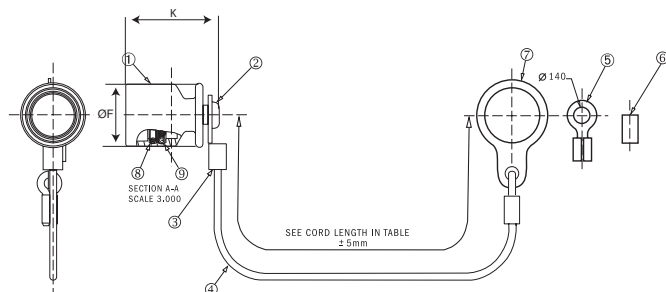


| SHELL SIZE | ØH           | ØJ           | K             | L            | M           | S A/F        | T MAX.      |
|------------|--------------|--------------|---------------|--------------|-------------|--------------|-------------|
| 06         | .460 (11.68) | .490 (12.45) | 1.150 (29.21) | .655 (16.64) | .330 (8.38) | .470 (11.94) | .125 (3.18) |
| 07         | .600 (15.24) | .645 (16.83) | 1.150 (29.21) | .655 (16.64) | .330 (8.38) | .510 (12.95) | .125 (3.18) |
| 08         | .730 (18.54) | .770 (19.56) | 1.150 (29.21) | .655 (16.64) | .330 (8.38) | .706 (17.93) | .125 (3.18) |
| 09         | .790 (20.07) | .830 (21.08) | 1.220 (30.99) | .725 (18.42) | .330 (8.38) | .745 (18.92) | .125 (3.18) |
| 10         | .860 (21.84) | .900 (22.86) | 1.220 (30.99) | .725 (18.42) | .330 (8.38) | .808 (20.52) | .125 (3.18) |

All dimensions in inches (millimeters in parenthesis)

# DIMENSIONS - ACCESSORIES

## 390-5057 - METAL DUSTCAP FOR PLUGS



| SHELL SIZE | PART NUMBER        | ITEM 1 - CAP |              |
|------------|--------------------|--------------|--------------|
|            |                    | ØF           | K            |
| 06         | 390-5057-06-XXX-XX | .464 (11.79) | .794 (20.17) |
| 07         | 390-5057-07-XXX-XX | .545 (13.84) | .794 (20.17) |
| 08         | 390-5057-08-XXX-XX | .620 (15.75) | .794 (20.17) |
| 09         | 390-5057-09-XXX-XX | .695 (17.65) | .794 (20.17) |
| 10         | 390-5057-10-XXX-XX | .770 (19.56) | .794 (20.17) |

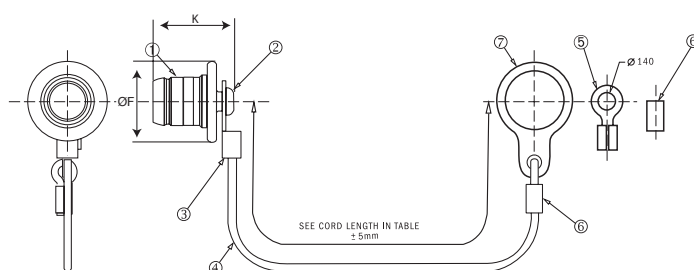
XXX = Length of cord 060, 130, 180 mm

XX = 02 = Crimp ferrule

03 = Eyelet

05 = Large eyelet for jamnut

## 390-5056 - METAL DUSTCAP FOR RECEPTACLES



| SHELL SIZE | PART NUMBER        | ITEM 1 - CAP |              |
|------------|--------------------|--------------|--------------|
|            |                    | ØF           | K            |
| 06         | 390-5056-06-XXX-XX | .575 (14.61) | .664 (16.87) |
| 07         | 390-5056-07-XXX-XX | .575 (14.61) | .664 (16.87) |
| 08         | 390-5056-08-XXX-XX | .750 (19.05) | .664 (16.87) |
| 09         | 390-5056-09-XXX-XX | .825 (20.95) | .664 (16.87) |
| 10         | 390-5056-10-XXX-XX | .900 (22.86) | .664 (16.87) |

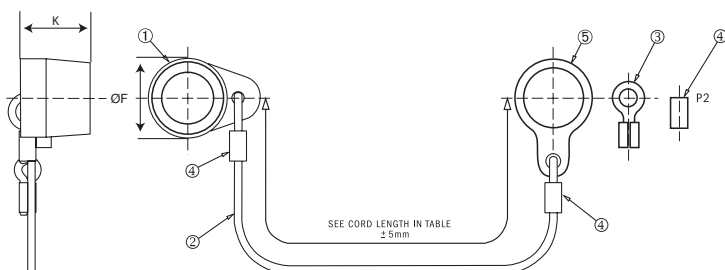
XXX = Length of cord 060, 130, 180 mm

XX = 02 = Crimp ferrule

03 = Eyelet

05 = Large eyelet for jamnut

## 390-5064 - RUBBER DUSTCAP FOR PLUGS



| SHELL SIZE | PART NUMBER        | ITEM 1 - CAP |              |
|------------|--------------------|--------------|--------------|
|            |                    | ØF           | K            |
| 06         | 390-5064-06-XXX-XX | .450 (11.43) | .550 (13.97) |
| 07         | 390-5064-07-XXX-XX | .525 (13.34) | .550 (13.97) |
| 08         | 390-5064-08-XXX-XX | .595 (15.11) | .550 (13.97) |
| 09         | 390-5064-09-XXX-XX | .665 (16.89) | .550 (13.97) |
| 10         | 390-5064-10-XXX-XX | .735 (18.67) | .550 (13.97) |

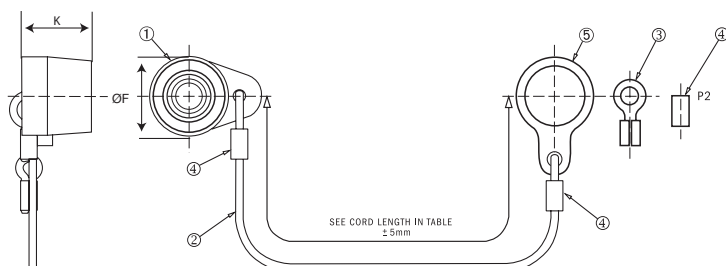
XXX = Length of cord 060, 130, 180 mm

XX = 02 = Crimp ferrule

03 = Eyelet

05 = Large eyelet for jamnut

## 390-5063 - RUBBER DUSTCAP FOR RECEPTACLES



| SHELL SIZE | PART NUMBER        | ITEM 1 - CAP |              |
|------------|--------------------|--------------|--------------|
|            |                    | ØF           | K            |
| 06         | 390-5063-06-XXX-XX | .625 (15.88) | .550 (13.97) |
| 07         | 390-5063-07-XXX-XX | .725 (18.42) | .550 (13.97) |
| 08         | 390-5063-08-XXX-XX | .780 (19.81) | .550 (13.97) |
| 09         | 390-5063-09-XXX-XX | .870 (22.10) | .550 (13.97) |
| 10         | 390-5063-10-XXX-XX | .940 (23.88) | .550 (13.97) |

XXX = Length of cord 060, 130, 180 mm

XX = 02 = Crimp ferrule

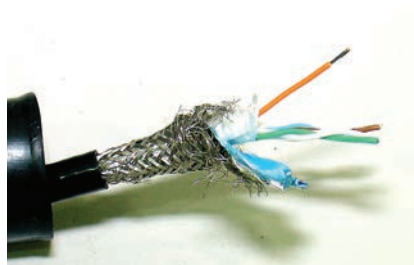
03 = Eyelet

05 = Large eyelet for jamnut

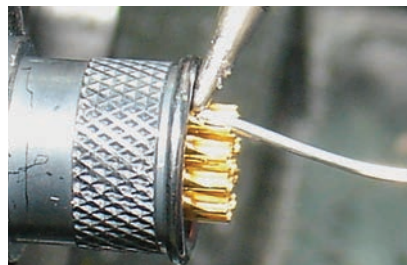
All dimensions in inches (millimeters in parenthesis)

**RECOMMENDED SOLDER EQUIPMENT**

- JBC soldering iron AD2700 set at approx. 662°F (350°C)
- JBC tip 2245-930
- Should adhere to IPC J-STD-001 Rev D Class 3, using IPC 610 for reference.

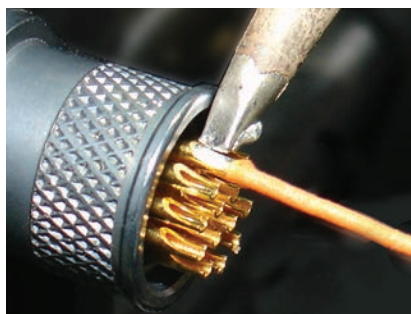


**STEP 1:** Slide the rear accessories over the wire bundle in the proper sequence for reassembly.

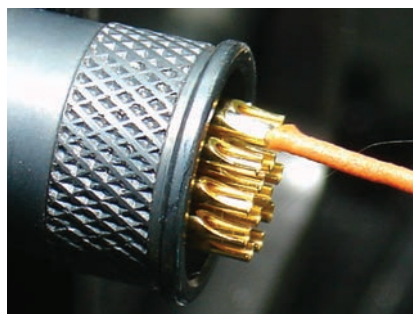


**STEP 2:** Strip wires .200" (5.08).

**STEP 3:** Pre-tin wire to be terminated.



**STEP 4:** Pre-tin the solder bucket. This should be done using the minimum temperature required while achieving the wetted solder joint. Remember to ensure a good solder bridge. Place the iron tip inside the bucket.



**STEP 5:** Terminate wire to the solder bucket, again using minimum heat while ensuring the required wetting. Place the iron tip inside the bucket and slide in the wire to be terminated. Always clean solder joints, ensuring that the contacts are not damaged.

**STEP 6:** Repeat steps for additional contacts. Terminate shield using banding termination or other method. Recover heat shrink boot starting on the connector and moving downward towards the cable. Adhesive should flow out of the boot.

**ETHERNET WIRING**

Rear view of connector

Termination process for 07-14 layout to CAT 6 Ethernet Cable

- Standard CAT 6 Ethernet RJ45 Patch lead terminated to the rear of the connector, as per instructions

Temperatures are °F (°C). All Dimensions in inches (millimeters in parenthesis).