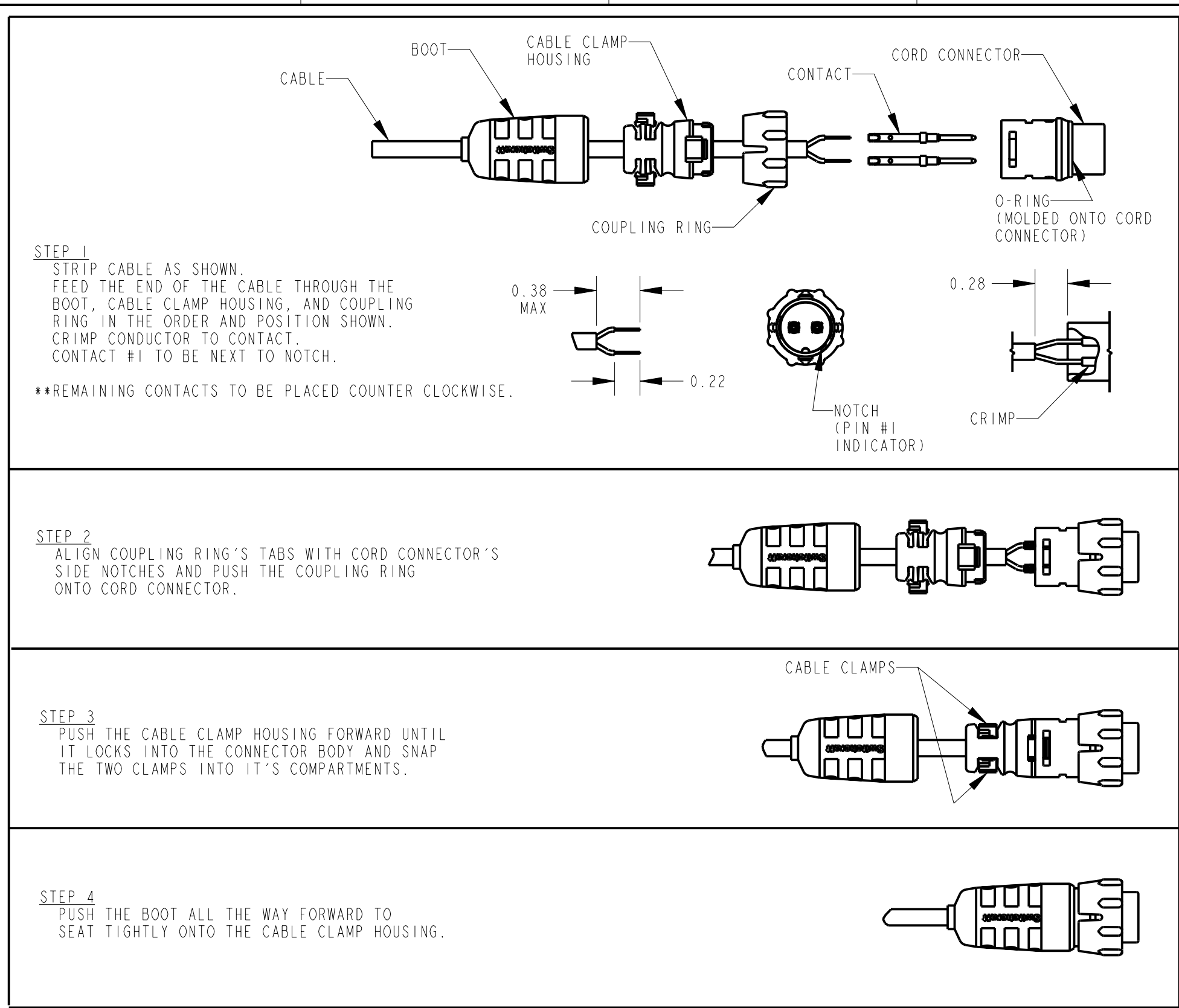


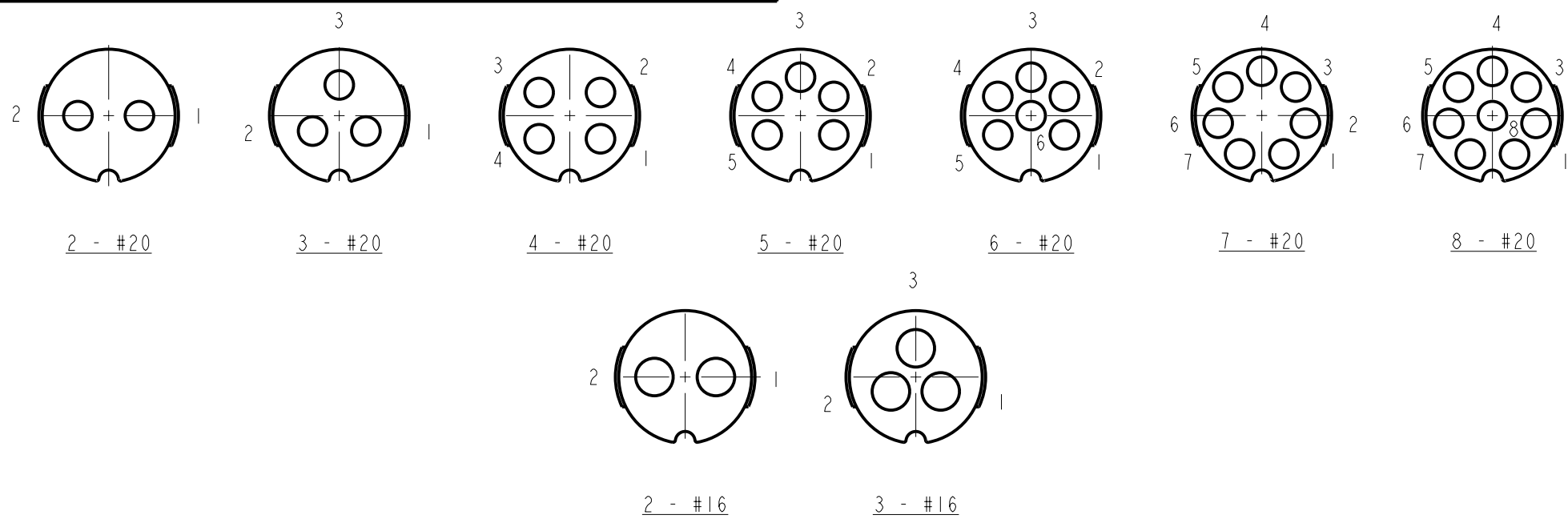


SPECIFICATIONS

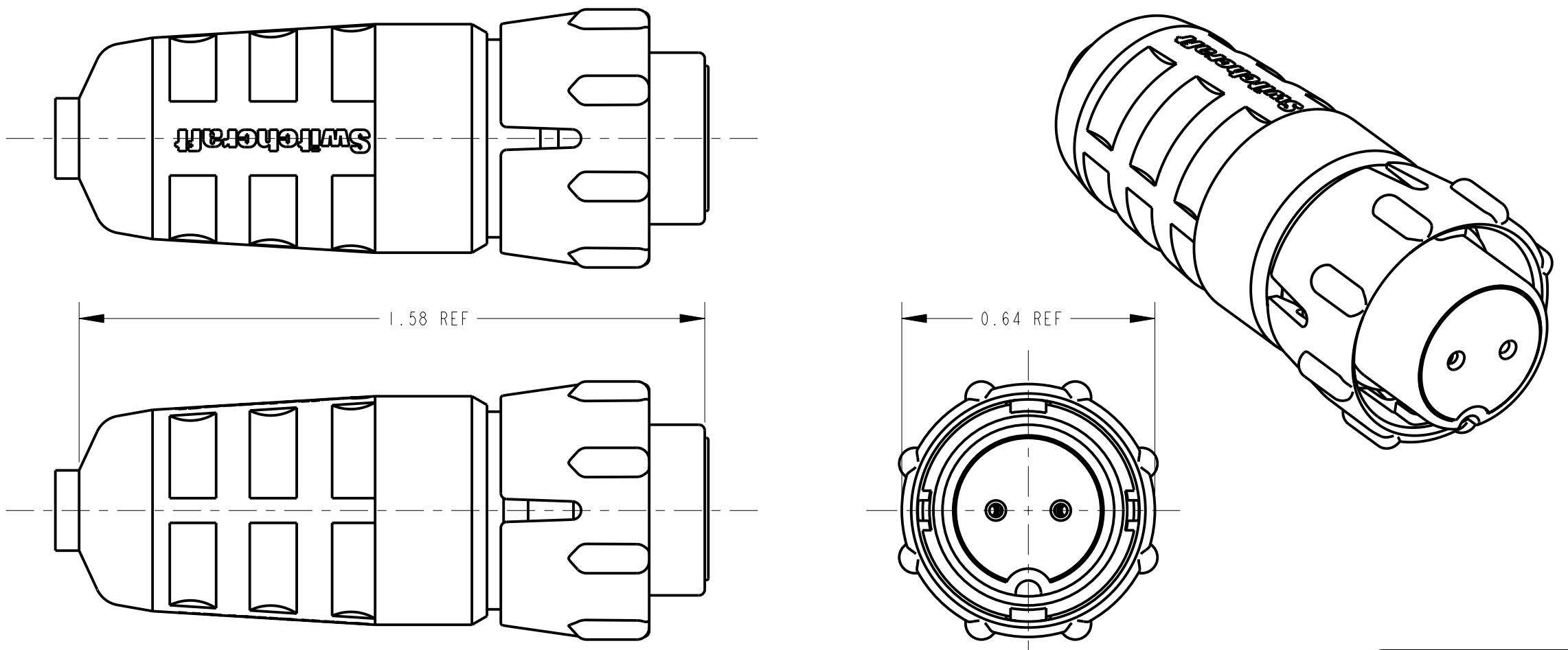
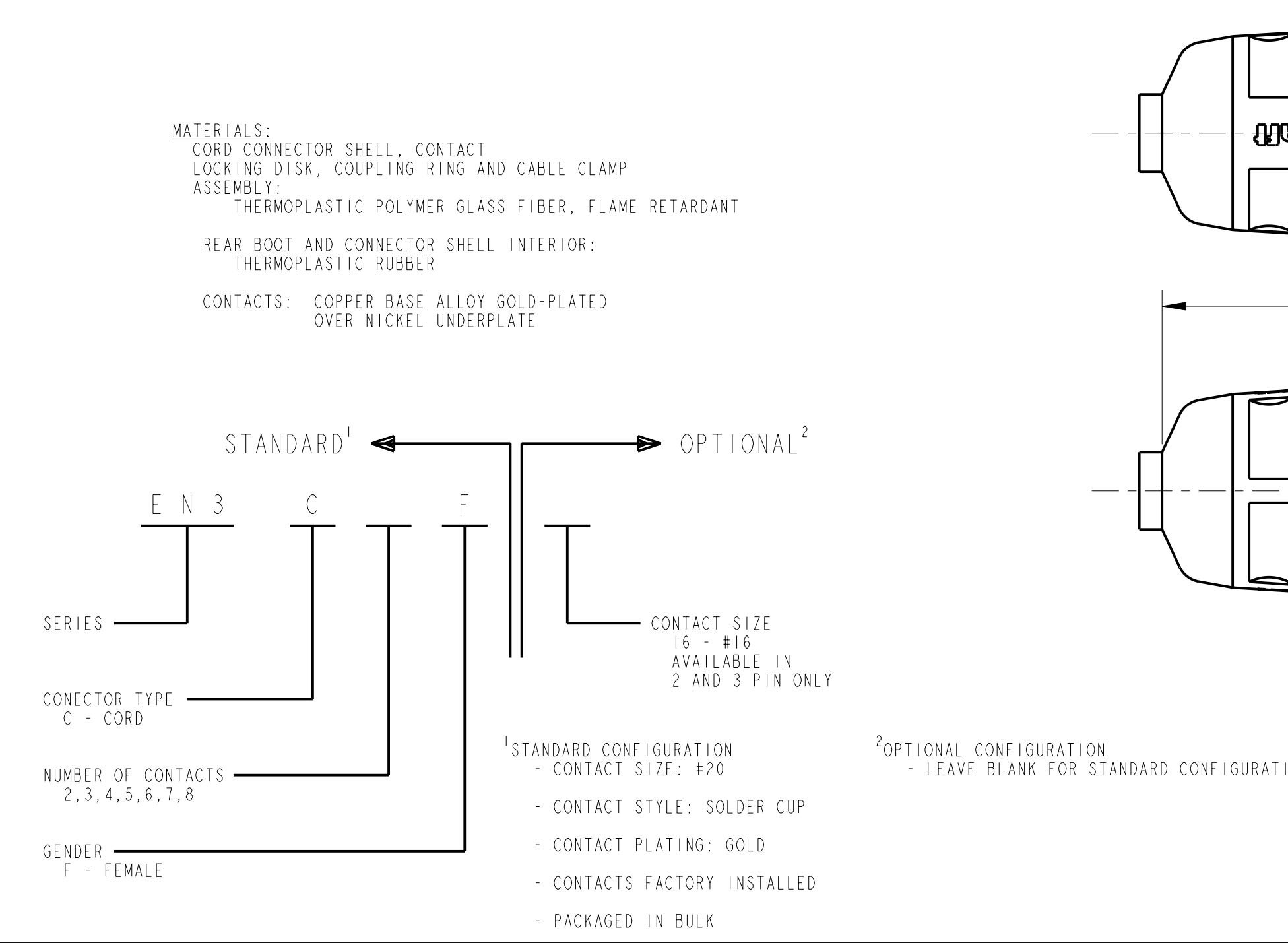
**MECHANICAL:**  
SHOCK: MIL-STD 202 METHOD 213B, COND. K.  
VIBRATION: MIL-STD 202 METHOD 201  
LIFE: 300 INSERTION/WITHDRAWAL CYCLES (MINIMUM)

**ELECTRICAL**  
DIELECTRIC WITHSTANDING VOLTAGE: 1,000 VAC  
INSULATION RESISTANCE: 100 MEGOHMS (MIN) AT 77°F  
CONTACT RESISTANCE: 5.0 MILLOHMS MAX.  
CURRENT RATING: 7.5 AMPS (#20 CONTACT)  
6.5 AMPS (7 & 8 PIN #20 CONTACT)  
13.0 AMPS (#16 CONTACT)

**ENVIRONMENTAL**  
TEMPERATURE LIMITS: -40°C TO +65°C (NON-OPERATING)  
MOISTURE RESISTANCE: MIL-STD 202 METHOD 106F  
INSULATION RESISTANCE: MIL-STD 202 METHOD 302, COND. B  
THERMAL SHOCK: MIL-STD 202 METHOD 107G  
SALT SPRAY: MIL-STD 202 METHOD 101D, COND. B  
WATER TIGHTNESS TEST: U.S. COAST GUARD CFR 46 PART 110.20



CONTACT ARRANGEMENTS  
SHOWN ARE REAR VIEWS OF FEMALE CORD CONNECTORS



CUSTOMER DRAWING

|                                                                                                                                                         |  |  |  |  |  |                                                                                                                                                                                            |       |           |                   |                     |  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|--|--|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|-----------|-------------------|---------------------|--|
| ★ STAR SYMBOL DENOTES CRITICAL DIMENSION                                                                                                                |  |  |  |  |  | THIS DRAWING DESCRIBES A DESIGN CONSIDERED PROPRIETARY IN NATURE, DEVELOPED AND MANUFACTURED BY SWITCHCRAFT INC. AND IS RELEASED ON A CONFIDENTIAL BASIS FOR IDENTIFICATION PURPOSES ONLY. |       |           |                   |                     |  |
| UNLESS OTHERWISE SPECIFIED                                                                                                                              |  |  |  |  |  | SIZE                                                                                                                                                                                       | WIDTH | MULT      | LBS/M             | TEMPER              |  |
| 1. ALL DIMENSIONS IN INCHES<br>- TWO PLACE DECIMALS ±0.01<br>- THREE PLACE DECIMALS ±0.005<br>- ANGLES ±1°<br>- ALL DIA. CONCENTRIC WITHIN 0.005 T.I.R. |  |  |  |  |  | FINISH SPEC No.                                                                                                                                                                            |       |           | MATERIAL SPEC No. |                     |  |
| 2. FEATURES ON THE SAME CENTERLINE MUST BE ALIGNED WITHIN ±0.002                                                                                        |  |  |  |  |  | FIRST USED ON                                                                                                                                                                              |       |           | SCALE 3:1         |                     |  |
| 3. REMOVE ALL BURRS                                                                                                                                     |  |  |  |  |  | DATE DRAWN                                                                                                                                                                                 | BY    | CHKD      | APVD              | <b>Switchcraft®</b> |  |
|                                                                                                                                                         |  |  |  |  |  | 3-4-94                                                                                                                                                                                     | SG    | SG 2-6-95 | FL 2-6-95         |                     |  |
| DO NOT SCALE DRAWING                                                                                                                                    |  |  |  |  |  | NAME FEMALE CORD CONNECTOR                                                                                                                                                                 |       |           |                   | SHEET 1 OF 1        |  |
| REVISIONS                                                                                                                                               |  |  |  |  |  | PART No. EN3C_F                                                                                                                                                                            |       |           |                   | REV G               |  |