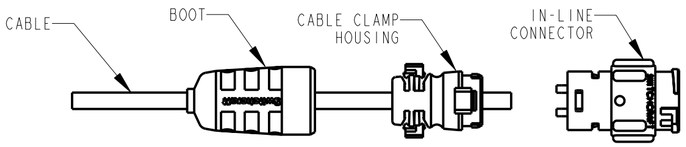
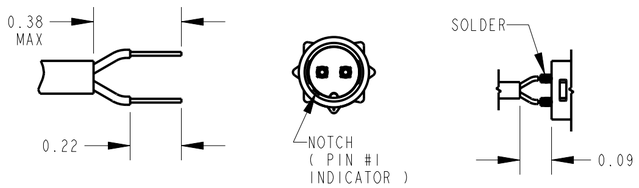
SWITCHCRAFT CABLE CONNECTOR ASSEMBLY INSTRUCTIONS

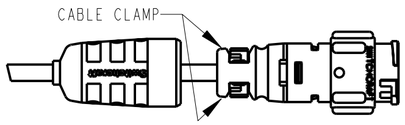
STEP 1
FEED THE END OF THE CABLE THROUGH THE BOOT AND CABLE CLAMP HOUSING IN THE ORDER AND POSITION SHOWN.



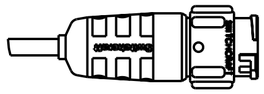
STEP 2
STRIP CABLE AS SHOWN AND BEGIN SOLDERING CONDUCTORS TO PINS. STARTING WITH CONTACT NO. 1 NEXT TO THE "NOTCH" AND FOLLOW WITH THE REMAINING CONDUCTORS CLOCKWISE WITH NO. 6 OR NO. 8 CONDUCTOR IN THE CENTER.



STEP 3
PUSH THE CABLE CLAMP HOUSING FORWARD UNTIL IT LOCKS INTO THE CONNECTOR BODY AND SNAP THE TWO CLAMPS INTO IT'S COMPARTMENTS.



STEP 4
PUSH THE BOOT ALL THE WAY FORWARD TO SEAT TIGHTLY ONTO THE CABLE CLAMP HOUSING.

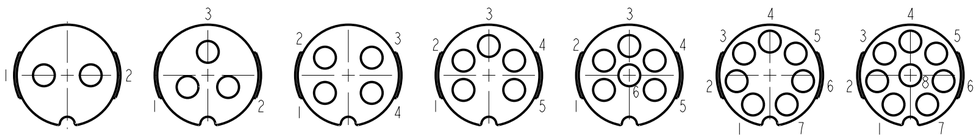


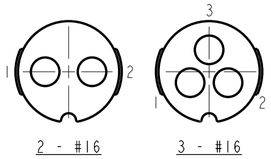
SPECIFICATIONS

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)

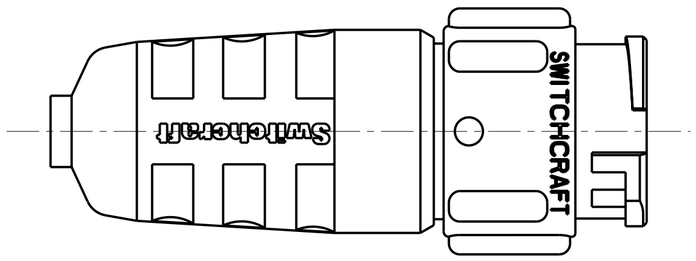
ENVIRONMENTAL
- TEMPERATURE LIMITS: -40°C TO +65°C (NON-OPERATING)
- MOISTURE RESISTANCE: MIL-STD 202 METHOD 106F
- INSULATION RESISTANCE: MIL-STD 202 METHOD 302, COND. B
- THERMAL SHOCK: MIL-STD 202 METHOD 107G
- SALT SPRAY: MIL-STD 202 METHOD 101D, COND. B
- WATER TIGHTNESS TEST: U.S. COAST GUARD CFR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

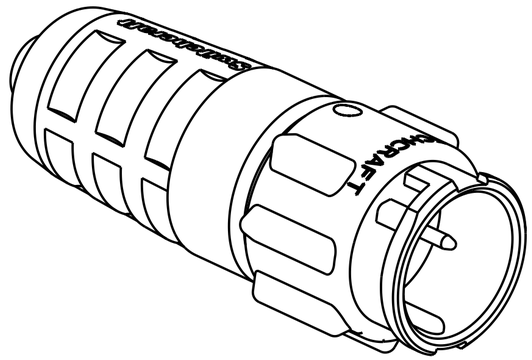


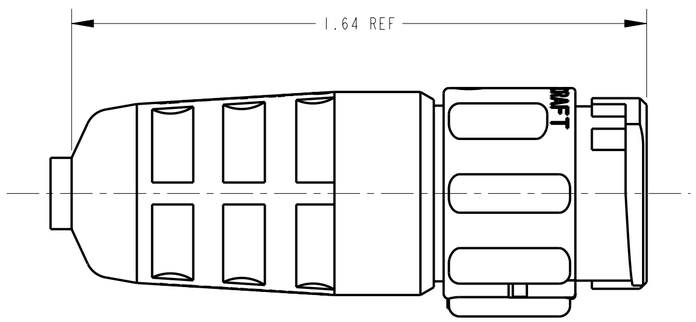


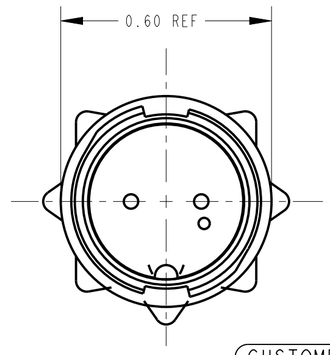
CONTACT ARRANGEMENTS

SHOWN ARE REAR VIEWS OF MALE INLINE CONNECTORS









CUSTOMER DRAWING

MATERIALS:
IN-LINE CONNECTOR SHELL, CONTACT LOCKING DISK, AND CABLE CLAMP ASSEMBLY:
THERMOPLASTIC POLYMER GLASS FIBER, FLAME RETARDANT

REAR BOOT AND CONNECTOR SHELL INTERIOR:
THERMOPLASTIC RUBBER

CONTACTS: COPPER BASE ALLOY GOLD-PLATED OVER NICKEL UNDERPLATE

STANDARD[1] ← → OPTIONAL[2]

E N 3 L _ M

- SERIES
- CONECTOR TYPE L - IN LINE
- NUMBER OF CONTACTS 2,3,4,5,6,7,8
- GENDER M - MALE
- CONTACT SIZE 16 - #16 AVAILABLE IN 2 AND 3 PIN ONLY

[1]STANDARD CONFIGURATION
- CONTACT SIZE: #20
- CONTACT STYLE: SOLDER CUP
- CONTACT PLATING: GOLD
- CONTACTS FACTORY INSTALLED
- PACKAGED IN BULK

[2]OPTIONAL CONFIGURATION
- LEAVE BLANK FOR STANDARD CONFIGURATION

REV	ECO NUMBER	DATE	BY	APVD
B	22232	5-8-98	SG	RB
A	RELEASE TO MFG ECO #21494	11-25-96	MM	FL

REVISIONS

☆ STAR SYMBOL DENOTES CRITICAL DIMENSION

UNLESS OTHERWISE SPECIFIED
1. ALL DIMENSIONS IN INCHES
   -TWO PLACE DECIMALS ±0.01
   -THREE PLACE DECIMALS ±0.005
   -ANGLES ±1°
   -ALL DIA. CONCENTRIC WITHIN 0.005 T.I.R.
2. FEATURES ON THE SAME CENTERLINE MUST BE ALIGNED WITHIN ±0.002
3. REMOVE ALL BURRS

DO NOT SCALE DRAWING

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.

SIZE	WIDTH	MULT	LBS/M	TEMPER

FINISH . SPEC No. .
MATERIAL SPEC No.
FIRST USED ON
SCALE 2:1

DATE DRAWN	BY	CHKD	APVD
22-May-95	SG	SG 5-22-95	FL 5-25-95

Switchcraft®

SHEET 1 OF 1

NAME MALE CONNECTOR
PART No. EN3L_M
REV B

Pro/Engineer CAD File