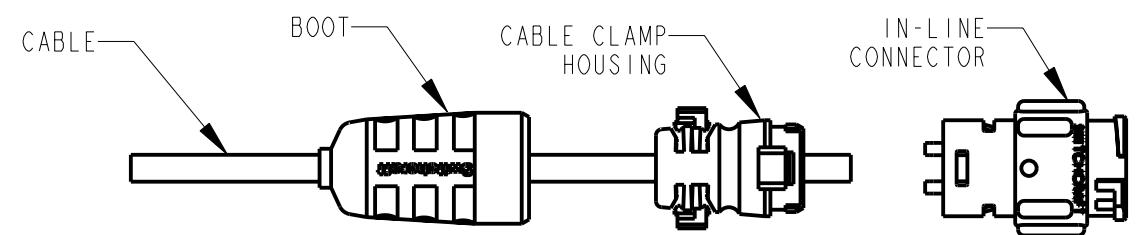
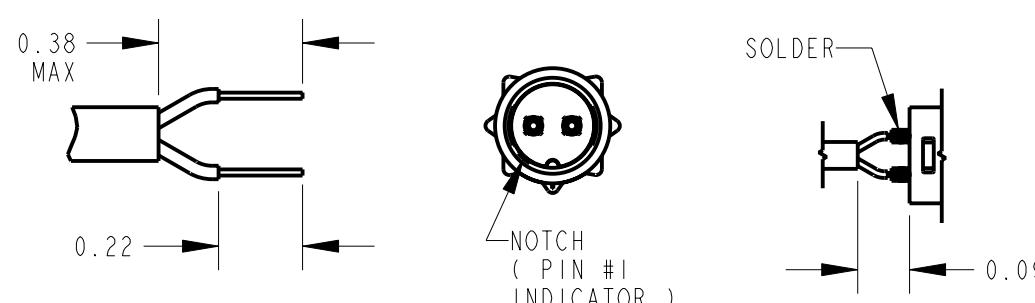


## SWITCHCRAFT CABLE CONNECTOR ASSEMBLY INSTRUCTIONS

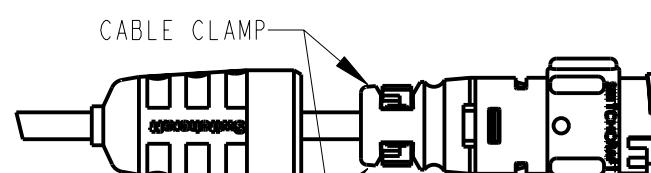
**STEP 1**  
FEED THE END OF THE CABLE THROUGH THE BOOT AND CABLE CLAMP HOUSING IN THE ORDER AND POSITION SHOWN.



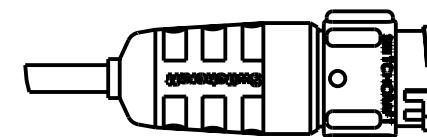
**STEP 2**  
STRIP CABLE AS SHOWN AND BEGIN SOLDERING CONDUCTORS TO PINS. STARTING WITH CONTACT NO. 1 NEXT TO THE "NOTCH" AND FOLLOW WITH THE REMAINING CONDUCTORS CLOCKWISE WITH NO. 6 OR NO. 8 CONDUCTOR IN THE CENTER.



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



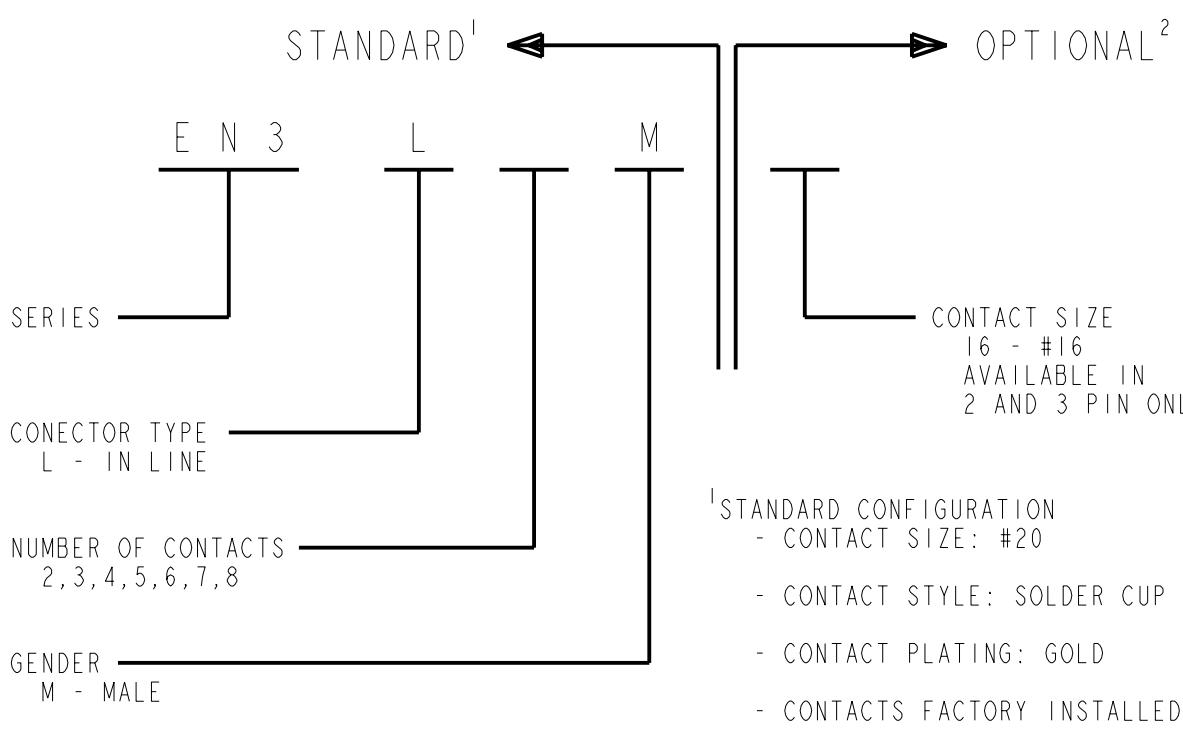
**STEP 4**  
PUSH THE BOOT ALL THE WAY FORWARD TO SEAT TIGHTLY ONTO THE CABLE CLAMP HOUSING.



**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



## 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 MOEGOHMS (MIN) AT 77°F

CONTACT RESISTANCE: 5.0 MILLOHMS MAX.

CURRENT RATING: 7.5 AMPS (#20 CONTACT)

6.5 AMPS (7 &amp; 8 PIN #20 CONTACT)

13.0 AMPS (#16 CONTACT)

## ENVIRONMENTAL

TEMPERATURE LIMITS: -40°C TO +65°C (NON-OPERATING)

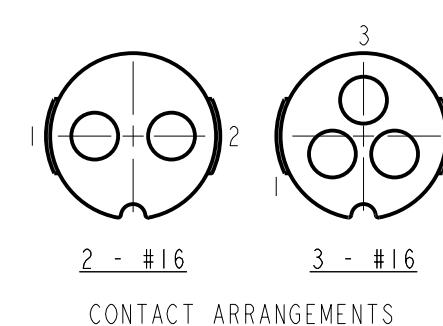
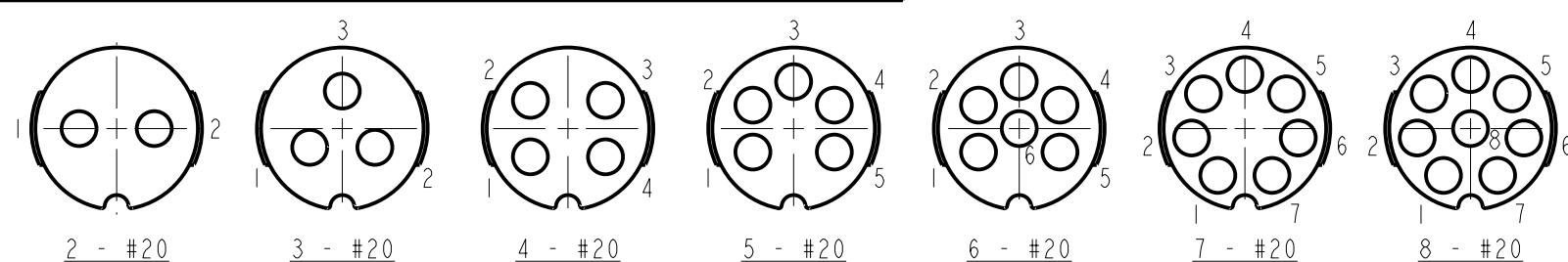
MOISTURE RESISTANCE: MIL-STD 202 METHOD 106F

INSULATION RESISTANCE: MIL-STD 202 METHOD 302, COND. B

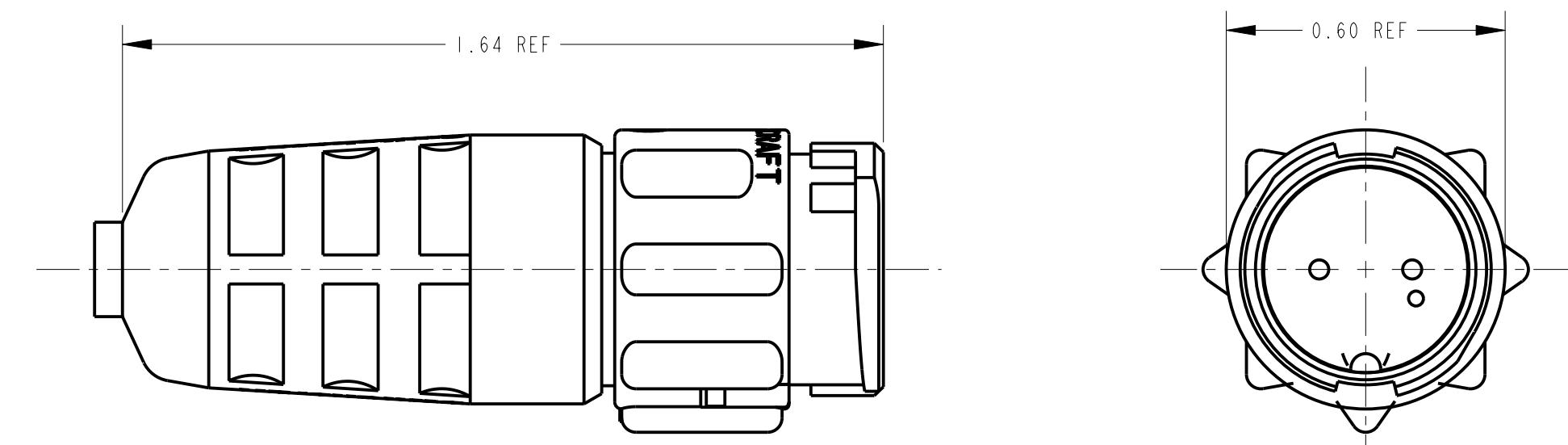
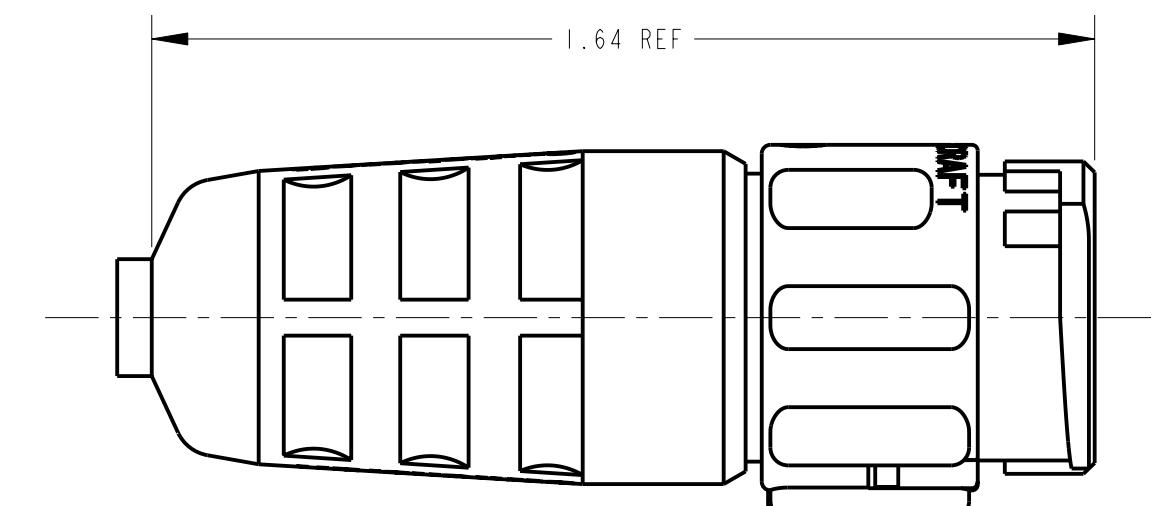
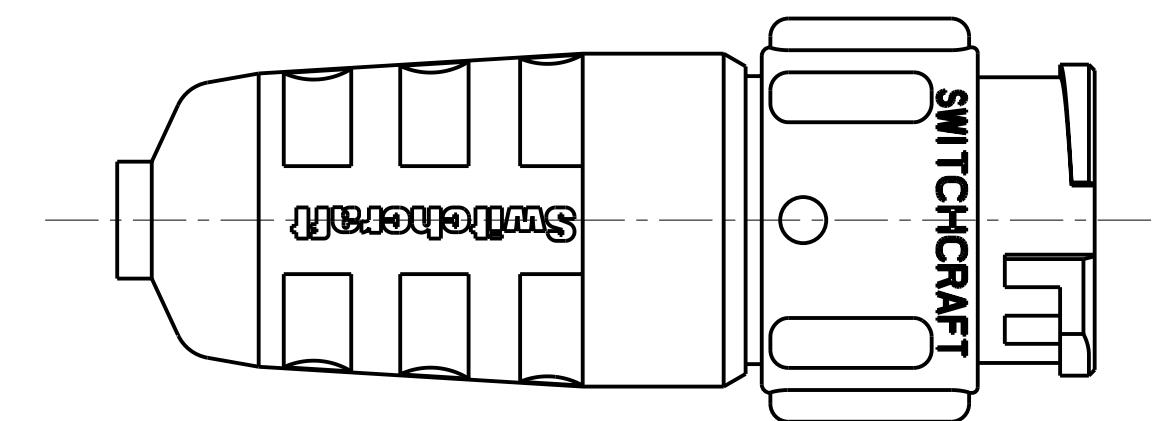
THERMAL SHOCK: MIL-STD 202 METHOD 107G

SALT SPRAY: MIL-STD 202 METHOD 101D, COND. B

WATER TIGHTNESS TEST: U.S. COAST GUARD CFR 46 PART 110.20



SHOWN ARE REAR VIEWS OF  
MALE INLINE 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	
					1. ALL DIMENSIONS IN INCHES - TWO PLACE DECIMALS $\pm 0.01$ - THREE PLACE DECIMALS $\pm 0.005$ - ANGLES $\pm 1^\circ$ - ALL DIA. CONCENTRIC WITHIN 0.005 T.I.R.	
B	22232	5-8-98	SG	RB	2. FEATURES ON THE SAME CENTERLINE MUST BE ALIGNED WITHIN $\pm 0.002$	
A	RELEASE TO MFG ECO #21494	11-25-96	MM	FL	3. REMOVE ALL BURRS	
REV	ECO NUMBER	DATE	BY	APVD		
					REVISIONS	DO NOT SCALE DRAWING
						MALE CONNECTOR

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