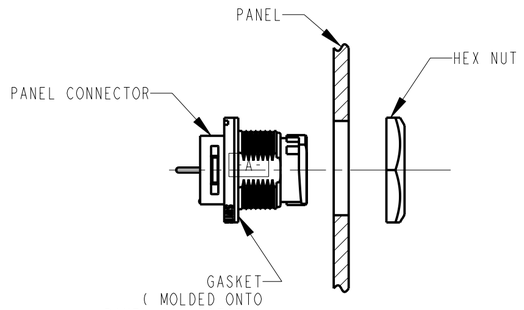
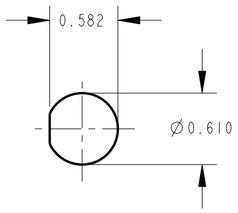
SWITCHCRAFT PANEL CONNECTOR ASSEMBLY INSTRUCTIONS





RECOMMENDED
PANEL CUT-OUT

SPECIFICATIONS

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

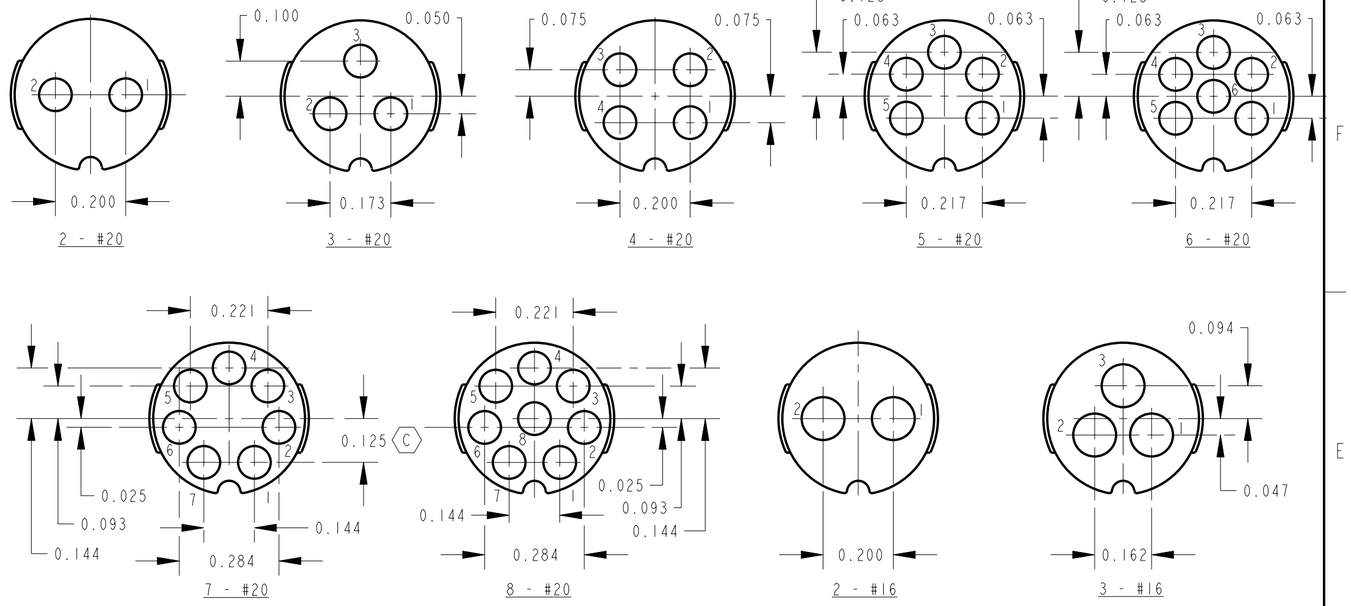
ELECTRICAL
- DIELECTRIC WITHSTANDING VOLTAGE: 1,000 VAC
- INSULATION RESISTANCE: 100 MEGOHMS (MIN) AT 77°F
- CONTACT RESISTANCE: 5.0 MILLOHMS MAX.
- CURRENT RATING: 7.5 AMPS (#20 CONTACT)
  6.5 AMPS (7 & 8 PIN #20 CONTACT)
  13.0 AMPS (#16 CONTACT)

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

NOTES:

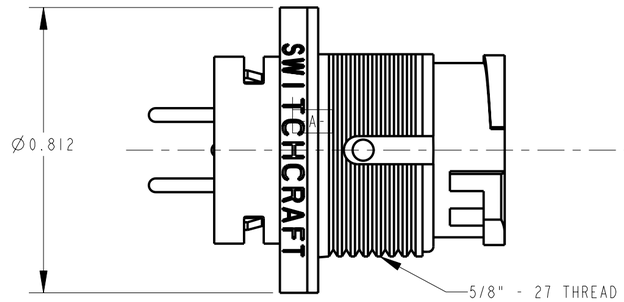
1. HEX NUT TORQUE:
   8 TO 10 INCH-LBS. OF TORQUE
   (MUST NOT EXCEED 10 INCH-LBS.)
2. HEX NUT SHIPPED UNASSEMBLED.

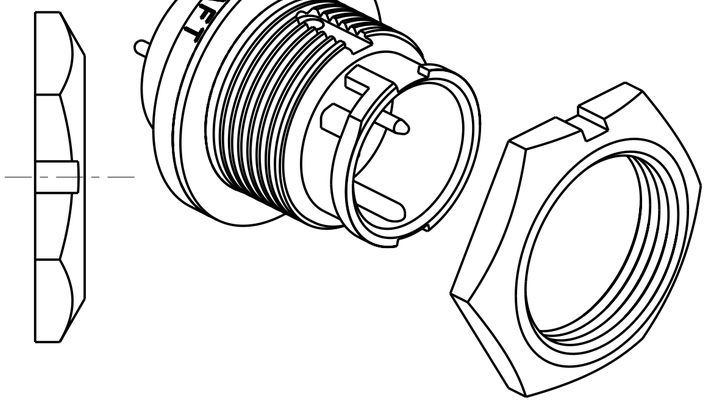
MATERIALS:
- PANEL CONNECTOR SHELL, CONTACT LOCKING DISC:
  THERMOPLASTIC POLYMER GLASS FIBER, FLAME RETARDANT
- CONNECTOR SHELL INTERIOR:
  THERMOPLASTIC RUBBER
- CONTACTS: COPPER BASE ALLOY GOLD-PLATED OVER NICKEL UNDERPLATE
- HEX NUT: THERMOPLASTIC

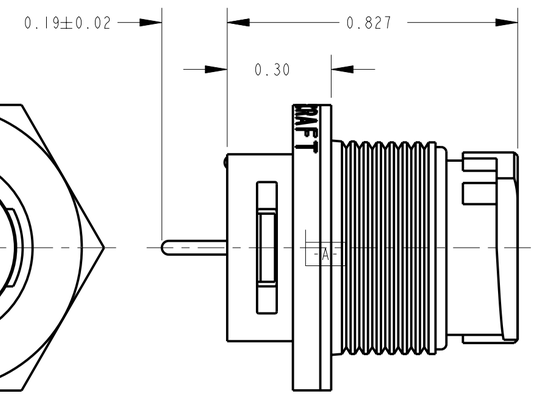


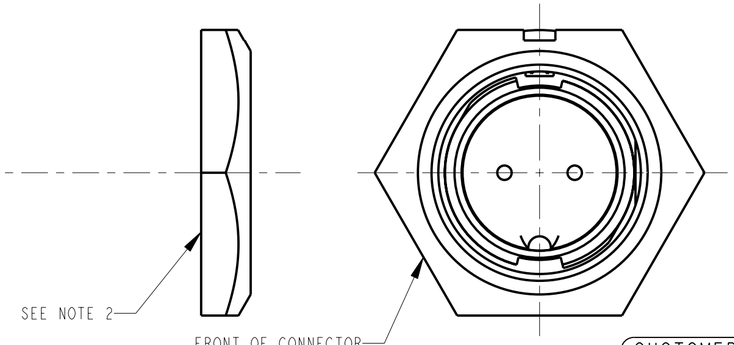
HOLE LAYOUTS VIEWED FROM FRONT OF CONNECTOR

RECOMMENDED HOLE SIZE: #20 CONTACT: .046" DIA.
#16 CONTACT: .055" DIA.









CUSTOMER DRAWING

STANDARD[1] ← → OPTIONAL[2]

E N 3 P M P

- SERIES
- CONNECTOR TYPE P - PANEL
- NUMBER OF CONTACTS 2,3,4,5,6,7,8
- GENDER M - MALE
- CONNECTOR STYLE P-P.C.
- CONTACT SIZE 16 - #16 AVAILABLE IN 2 AND 3 PIN ONLY

[1]STANDARD CONFIGURATION
- CONTACT SIZE: #20
- CONTACT STYLE: P.C.
- CONTACTS FACTORY INSTALLED
- PACKAGED IN BULK

REV	ECO NUMBER	DATE	BY	APVD
F	24661	3-4-04	JL	EB
E	23595	2-6-01	JL	DK
D	22232	2-20-98	SG	SC
C	ECO #21600	4-18-97	OM	FL
B	ECO #21461	11-1-96	MM	FL
A	RELEASE TO MFG. ECO #21376	9-19-96	SG	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 3:1

DATE DRAWN	BY	CHKD	APVD
3-8-96	CCB	CCB 3-8-96	FL 3-14-96

Switchcraft®

SHEET 1 OF 1

NAME
MALE PANEL CONNECTOR

PART No. EN3P_M_P REV F

Pro/Engineer CAD File