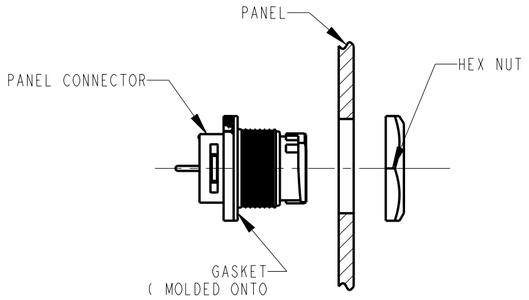
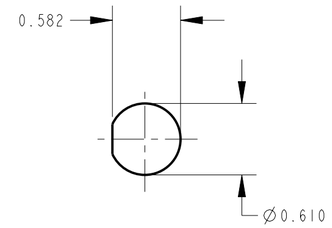
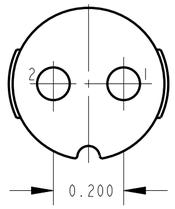
## SWITCHCRAFT PANEL CONNECTOR ASSEMBLY INSTRUCTIONS

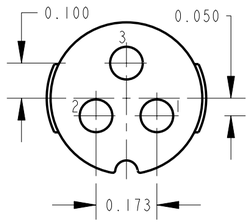


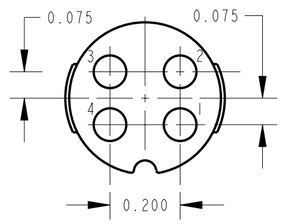

RECOMMENDED
PANEL CUT-OUT



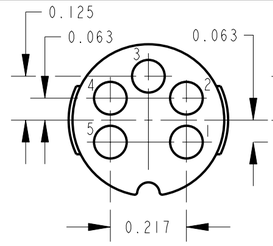

2 - #20



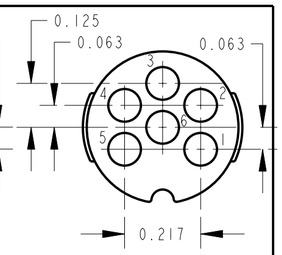

3 - #20



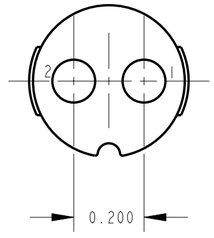

4 - #20



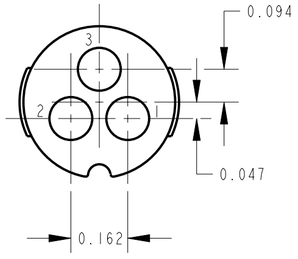

5 - #20




6 - #20




2 - #16



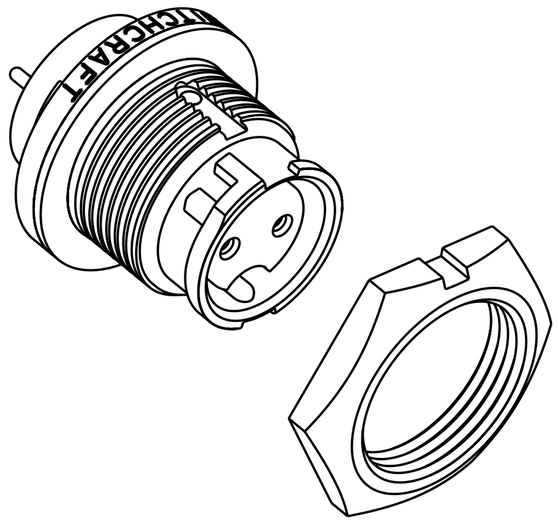

3 - #16

## SPECIFICATIONS

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

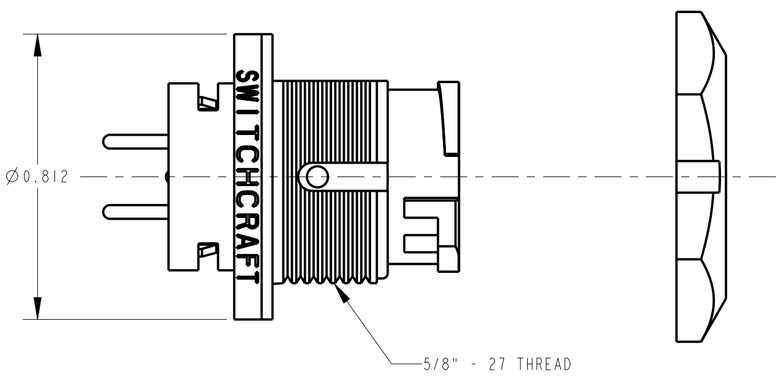
ELECTRICAL
- DIELECTRIC WITHSTANDING VOLTAGE: 1,000 VAC
- INSULATION RESISTANCE: 100 MEGOHMS (MIN) AT 77°F
- CONTACT RESISTANCE: 5.0 MILLOHMS MAX.
- CURRENT RATING: 7.5 AMPS (#20 CONTACT)
  13.0 AMPS (#16 CONTACT)

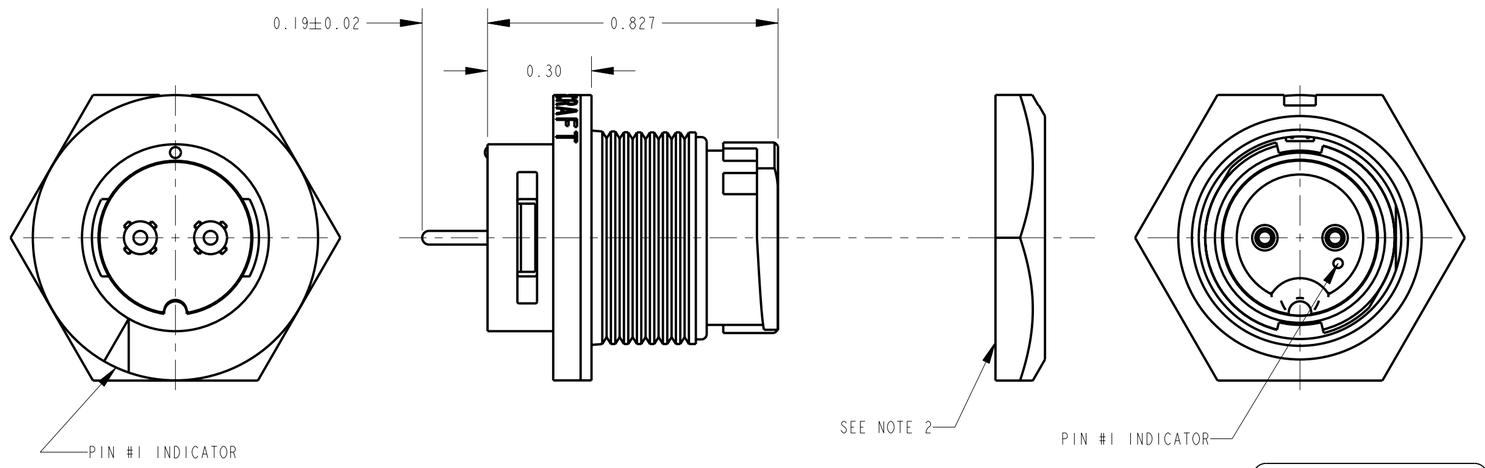
ENVIRONMENTAL
- TEMPERATURE LIMITS: -40°C TO +65°C (NON-OPERATING)
- MOISTURE RESISTANCE: MIL-STD 202 METHOD 106F
- INSULATION RESISTANCE: MIL-STD 202 METHOD 302, COND. B
- THERMAL SHOCK: MIL-STD 202 METHOD 107G
- SALT SPRAY: MIL-STD 202 METHOD 101D, COND. B
- WATER TIGHTNESS TEST: U.S. COAST GUARD CFR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




## HOLE LAYOUTS VIEWED FROM FRONT OF CONNECTOR

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




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

STANDARD[1] ← → OPTIONAL[2]

E N 3 P F P

- E N 3 — SERIES
- P — CONNECTOR TYPE: P - PANEL
- F — NUMBER OF CONTACTS: 2,3,4,5,6
- F — GENDER: F - FEMALE
- P — CONTACT STYLE: P - P.C.
- P — 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

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

| REV | ECO NUMBER | DATE | BY | APVD |
|---|---|---|---|---|
| | | | | |
| | | | | |
| E | 24661 | 3-4-04 | JL | EB |
| D | 23595 | 2-5-01 | JL | DK |
| C | 22232 | 2-20-98 | SG | SC |
| B | ECO #21461 | 12-9-96 | MM | FL |
| A | RELEASE TO MFG. ECO #21376 | 9-18-96 | 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: FEMALE PANEL CONNECTOR
PART No.: EN3P_F_P
REV: E

CUSTOMER DRAWING

Pro/Engineer CAD File