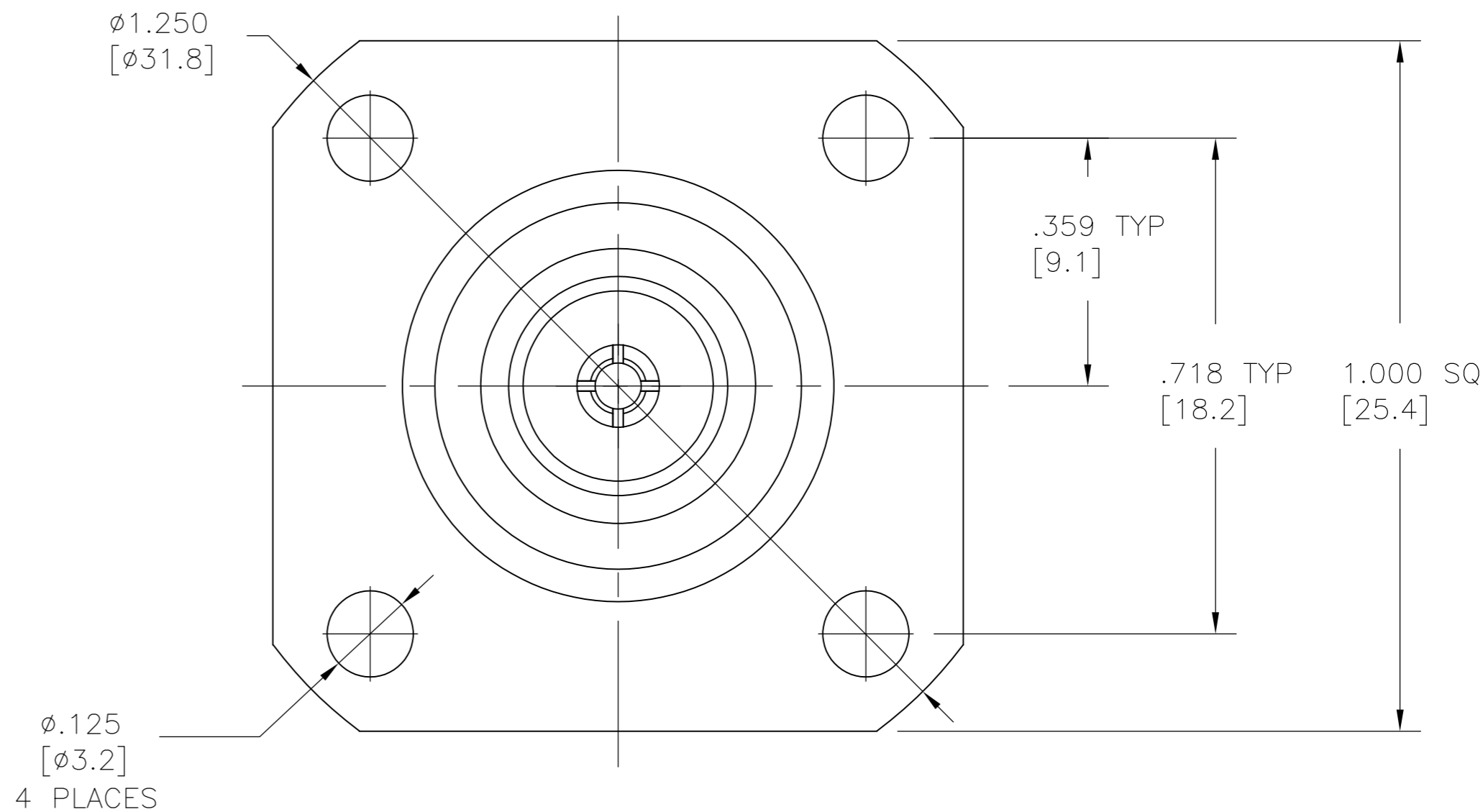
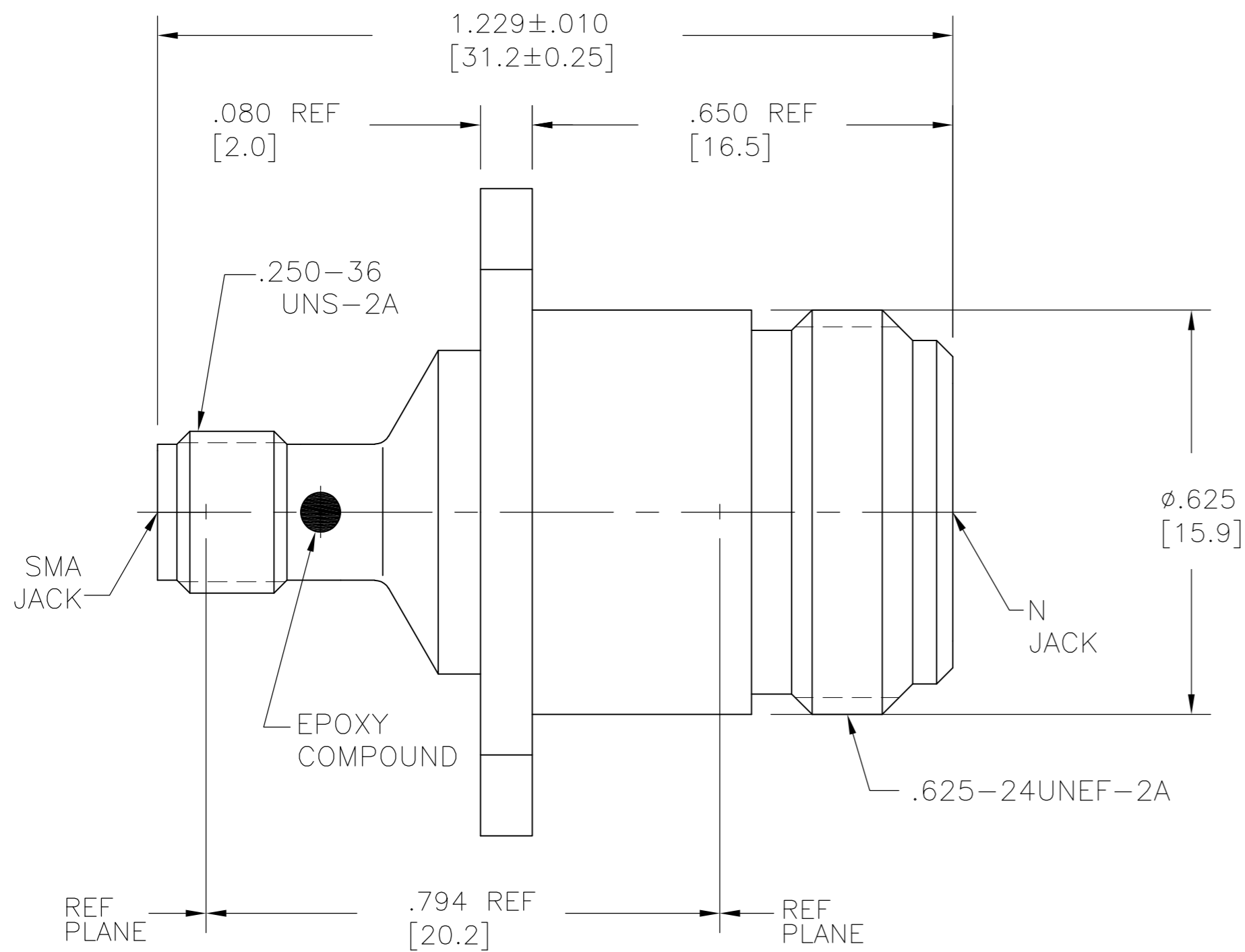


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| LOC | DIST | REVISIONS | | | | | |
|-----|------|-----------|-----|-----------------------|----------|-----|------|
| HC | 00 | P | LTR | DESCRIPTION | DATE | DWN | APVD |
| | | C | | REV PER ECO-15-000041 | 2/9/2015 | RZ | MC |



| ELECTRICAL | MECHANICAL | ENVIRONMENTAL |
|--|---|--|
| Nominal Impedance (Ohms) <u>50</u> | Interface Dimensions MIL-STD-348A, Fig. 310.2 (SMA) AND 304.2 (N) | Temperature Rating <u>-65°C TO +125°C</u> |
| Frequency Range (GHz) <u>DC to 18</u> | Recommended Mating Torque <u>N/A</u> | Vibration MIL-STD-202, Method 204, Condition B |
| Volt Rating (VRMS MAX) @ Sea Level <u>335</u> | Mating Characteristics: SMA-Insertion (MAX Lbs) <u>3.0</u> | Shock MIL-STD-202, Method 213, Condition I |
| VSWR <u>DC-12.4GHz: 1.06+.005f(GHz) MAX</u> <u>12.4-18.0GHz: .83+.023f(GHz) MAX</u> | N-Insertion (MAX Lbs) <u>2.0</u> | Thermal Shock MIL-STD-202, Method 107, Condition C, Except high temp shall be +115°C |
| Insertion Loss (dB MAX) <u>.18 @ 9GHz</u> | SMA-Withdrawal (MIN Oz) <u>1.0</u> | Moisture Resistance MIL-STD-202, Method 106 |
| RF Leakage (dB MIN) <u>-65 @2-3 GHz</u> | N-Withdrawal (MIN Oz) <u>2.0</u> | Corrosion - MIL-STD-202, Method 101, Condition B, 5% salt spray |
| Corona, 70,000 Ft (VRMS MIN) <u>250</u> | Force to Engage and Disengage SMA (In-Lbs MAX) <u>2.0</u> | |
| Dielectric Withstanding Voltage (VRMS MIN) @ Sea Level <u>1000</u> | N (In-Lbs MAX) <u>6.0</u> | |
| Contact Resistance (Milliohms MAX) Center Contact <u>4.1</u> | Center Contact Captivation Axial (Lbs) <u>6.0</u> | |
| Outer Contact <u>2.2</u> | Radial (In-Oz) <u>4.0</u> | |
| Cable to Housing <u>N/A</u> | Cable Retention Axial Force (Lbs) <u>N/A</u> | |
| RF High Potential @ Sea Level (VRMS MIN @ 5 MHz) <u>1000</u> | Torque (In-Oz) <u>N/A</u> | |
| I.R.(Megohms MIN) <u>5,000</u> | Weight (Grams) <u>TBD</u> | |

| FINISH | MATERIAL | COMPONENT |
|---|--|----------------|
| PASSIVATED | STAINLESS STEEL PER ASTM-A484 AND ASTM-A582. TYPE 303 | HOUSING |
| N/A | PTFE PER ASTM-D-1457 | DIELECTRIC |
| GOLD PLATE PER MIL-G-45204 OVER NICKEL PLATE PER QQ-N-290 | BERYLLIUM COPPER PER ASTM B 196. ALLOY C17300. CONDITION H | CENTER CONTACT |

| | | | |
|---|----------|--------------------|--|
| THIS DRAWING IS A CONTROLLED DOCUMENT. | | DWN CD 2-10-83 | TE Connectivity |
| DIMENSIONS: INCHES | | CHK WK 2-23-83 | |
| TOLERANCES UNLESS OTHERWISE SPECIFIED: | | APVD DRG 3-3-83 | |
| 0 PLC ± - 1 PLC ± - 2 PLC ± - 3 PLC ± .005 4 PLC ± - ANGLES ± 1° | | PRODUCT SPEC - | |
| MATERIAL - | FINISH - | APPLICATION SPEC - | NAME SMA JACK TO N JACK ADAPTOR (3680-2242-00) |
| | | WEIGHT - | SIZE A2 CAGE CODE 00779 DRAWING NO C=1058653-1 |
| | | CUSTOMER DRAWING | RESTRICTED TO - |
| | | SCALE 5:1 | SHEET 1 of 1 REV C |

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