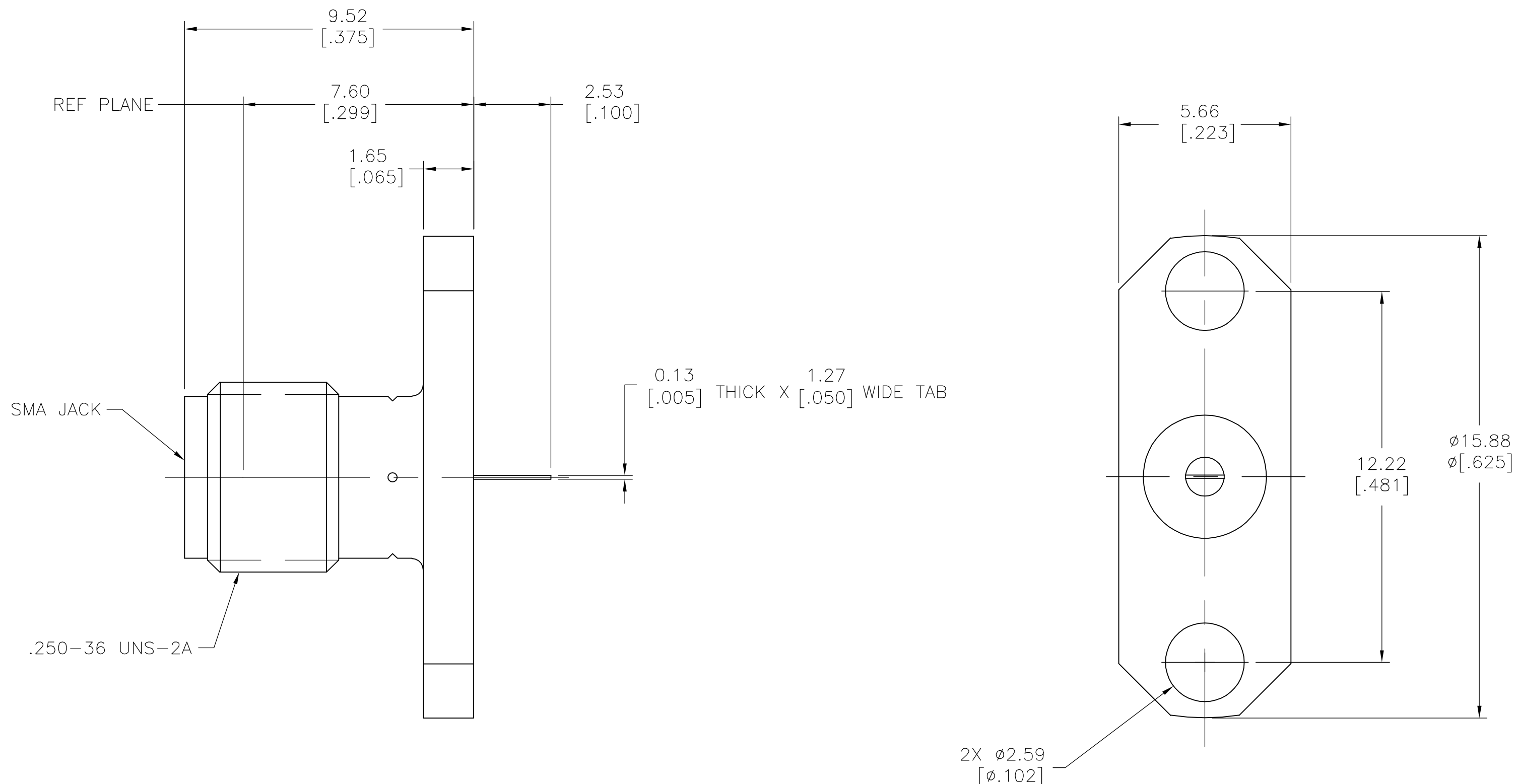


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| LOC | DIST | REVISIONS | | | | | |
|-----|------|-----------|-----|-----------------------------|-----------|-----|------|
| AJ | 16 | P | LTR | DESCRIPTION | DATE | DWN | APVD |
| | | A | | REVISED PER EC 0514-0150-05 | 10OCT2005 | REH | KW |



| ELECTRICAL | MECHANICAL | ENVIRONMENTAL |
|---|--|--|
| Nominal Impedance (Ohms) 50 | Interface Dimensions MIL-STD-348A, Fig. 310.2 | TEMPERATURE RATING -65°C TO +125°C |
| Frequency Range (GHz) DC to 6 | Recommended Mating | Vibration MIL-STD-202, Method 204, Condition D |
| Volt Rating (VRMS MAX) @ Sea Level .335 | Torque 3-5 in-lbs (0.34-0.57 Nm) | Shock MIL-STD-202, Method 213, Condition I |
| VSWR 1.40:1 | Mating Characteristics: | Thermal Shock MIL-STD-202, Method 107, Condition A |
| Insertion Loss (dB MAX) .07 √F(GHz) | Insertion (MAX Lbs) 3.0 (1.36 Kg) | Moisture Resistance MIL-STD-202, Method 106, except step 7b is omitted. No measurement at high humidity. Insulation resistance shall be at least 200 Megohms within 5 minutes after removal from humidity. |
| RF Leakage (dB MIN) -90 @ 2 to 3 GHz | Withdrawal (MIN Oz) 1.0 (28.35 g) | |
| Corona, 70,000 Ft (VRMS MIN) 250 | Force to Engage and Disengage (in-Lbs MAX) 2.0 (0.23 Nm) | |
| Dielectric Withstanding Voltage (VRMS MIN) @ Sea Level 1000 | Center Contact Captivation | |
| Contact Resistance (Milliohms MAX) | Axial (Lbs) 6.0 (2.7 Kg) MIN FROM INTERFACE | |
| Center Contact 3.0 | Axial (Lbs) 4.0 (1.8 Kg) MIN FROM FLANGE | |
| Outer Contact 2.0 | Radial (in-Oz) 4.0 (0.028 Nm) | |
| Cable to Housing N/A | | |
| RF High Potential @ Sea Level (VRMS MIN @ 5 MHz) 670 | | |
| I.R.(Megohms MIN) 5,000 | | |

| COMPONENT | MATERIAL | FINISH |
|----------------|---|--------------------|
| HOUSING | BRASS, PER ASTM-B-16 HALF HARD OR C2121 PER BS2874 | WHITE BRONZE PLATE |
| DIELECTRIC | TFE FLUOROCARBON PER ASTM-D-1457 | N/A |
| CENTER CONTACT | BERYLLIUM COPPER PER ASTM-B-196 OR ASTM-B-197 ALLOY C17300, CONDITION H | GOLD PLATE |

| | |
|--|--|
| THIS DRAWING IS A CONTROLLED DOCUMENT. | |
| DIMENSIONS: mm [INCHES] | TOLERANCES UNLESS OTHERWISE SPECIFIED: |
| 0 PLC ± - | 1 PLC ± - |
| 1 PLC ± - | 2 PLC ± - |
| 2 PLC ± - | 3 PLC ± 0.13 [.005] |
| 3 PLC ± 0.13 [.005] | 4 PLC ± - |
| 4 PLC ± - | ANGLES ± - |
| MATERIAL - | FINISH - |

| | | |
|-------------------------|--|---|
| DWN B. MCMASTER 28APR05 | Tyco Electronics Corporation Harrisburg, PA 17105-3608 | SIZE A2 CAGE CODE 00779 DRAWING NO C=6086491 RESTRICTED TO - |
| CHK J. HAVENER 28APR05 | | |
| APVD J. HAVENER 28APR05 | | |
| PRODUCT SPEC - | | |
| APPLICATION SPEC - | NAME SMA, 2 HOLE FLANGE MOUNT JACK RECEPTACLE, TAB TERMINAL (2252-1858-36) | WEIGHT - |
| CUSTOMER DRAWING | SCALE 8:1 | SHEET 1 of 1 |

6086491-1
PART NUMBER