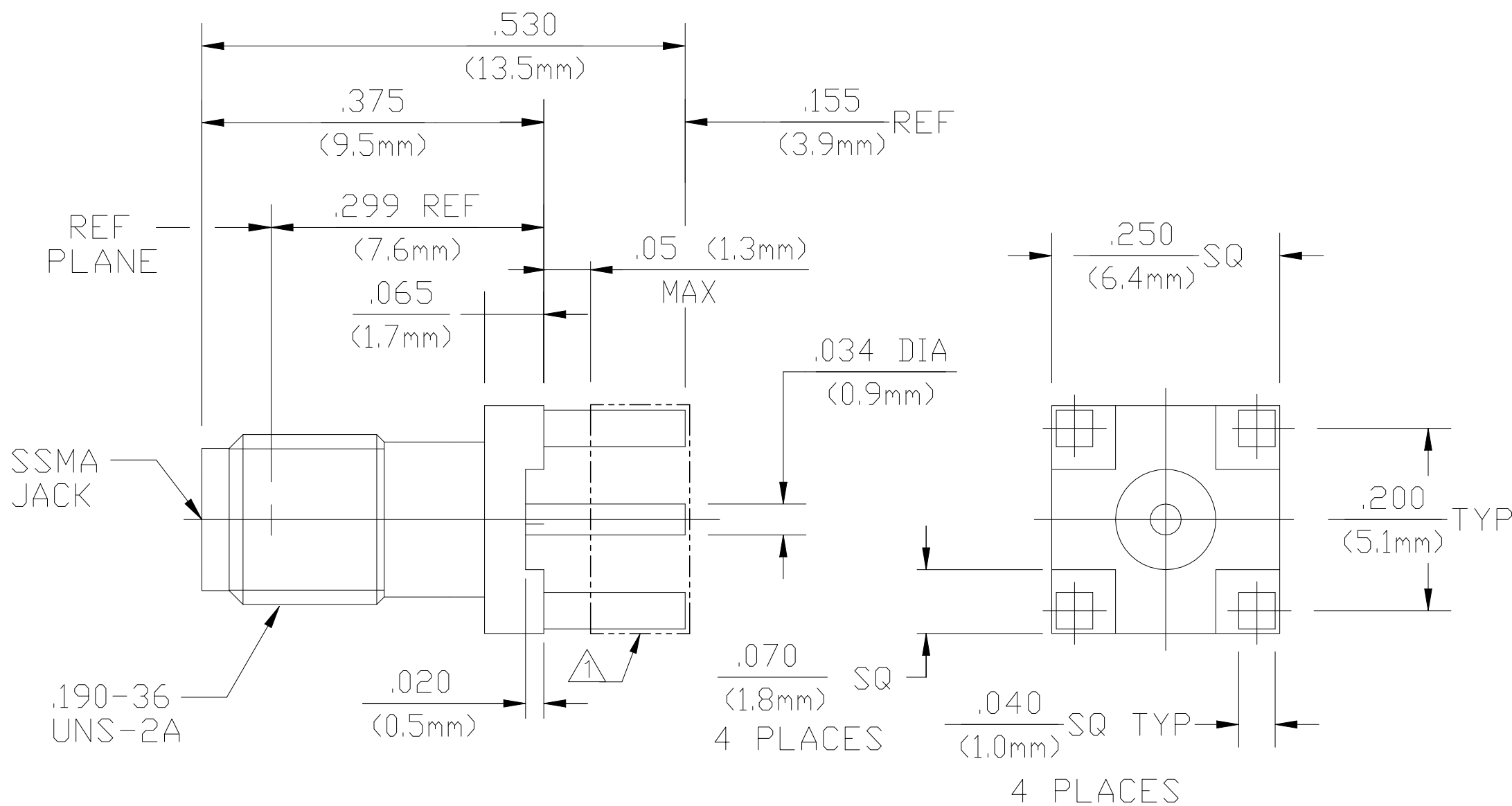


| REVISIONS |     |                       |           |     |      |
|-----------|-----|-----------------------|-----------|-----|------|
| P         | LTR | DESCRIPTION           | DATE      | DWN | APVD |
|           | C   | REV PER ECN-23-219768 | 06JUL2023 | JAB | PD   |

| ELECTRICAL                              | MECHANICAL                            | ENVIRONMENTAL                    |
|-----------------------------------------|---------------------------------------|----------------------------------|
| Nominal Impedance (Ohms) <u>50</u>      | Interface Dimensions                  | Temperature Rating               |
| Frequency Range (GHz) <u>DC to 18</u>   | <u>MIL-STD-348, Fig. 319.2</u>        | <u>-55°C TO 125°C</u>            |
| Voltage Rating (VRMS MIN)               | Mating Characteristics:               | Vibration <u>MIL-STD-202,</u>    |
| <u>250 @ Sea Level</u>                  | Insertion (MAX Lbs) <u>3.0</u>        | Method 204, Cond. D              |
| VSWR <u>N/A</u>                         | Withdrawal (MIN Oz) <u>1.0</u>        | Shock <u>MIL-STD-202,</u>        |
| Insertion Loss(dB MAX) <u>N/A</u>       | Force to Engage                       | Method 213, Cond. I              |
| RF Leakage (dB MIN) <u>N/A</u>          | and Disengage (In/Lbs MAX) <u>2.0</u> | Thermal shock <u>MIL-STD-202</u> |
| Corona, 70,000 Ft (VRMS MIN) <u>190</u> | Center Contact Captivation:           | Method 107, Cond. B, except      |
| D.W.V.                                  | Axial (Lbs) <u>6.0</u>                | HIGH TEMP SHALL BE 115°C         |
| (VRMS MIN) <u>750 @ Sea Level</u>       | Radial (In/Oz) <u>4.0</u>             | Moisture Resistance              |
| Contact Resistance (Milliohms MAX)      |                                       | <u>MIL-STD-202, Method 106,</u>  |
| Center Contact <u>2.0</u>               |                                       | except step 7b (vibration)       |
| Outer Contact <u>2.0</u>                |                                       | shall be omitted                 |
| RF High Potential (VRMS MIN             |                                       | Corrosion <u>MIL-STD-202,</u>    |
| @ 5 MHz) <u>500 @ Sea Level</u>         |                                       | Method 101, Cond. B,             |
| I.R. (Megohms Min) <u>5000</u>          |                                       | 5% salt spray                    |

1 HOT SOLDER DIP IN AREA SHOWN USING SN60 OR SN63  
IAW J-STD-001, 1996745-2 ONLY.

WARNING - THIS DOCUMENT CONTAINS TECHNOLOGY WHOSE EXPORT IS  
RESTRICTED BY THE EXPORT ADMINISTRATION REGULATIONS  
("EAR") PURSUANT TO 15 C.F.R. PARTS 730-774.  
VIOLATIONS OF THE EAR ARE SUBJECT TO SEVERE CRIMINAL  
PENALTIES UNDER THE EXPORT CONTROL REFORM ACT, AS AMENDED  
(TITLE 50, U.S.C., SEC. 4801, ET SEQ.).



|                |                                                                               |                                                                                                            |
|----------------|-------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------|
| HOUSING        | STAINLESS STEEL PER<br>ASTM-A484 AND ASTM-<br>A582, TYPE 303                  | GOLD PLATE PER<br>MIL-G-45204 OVER<br>NICKEL PLATE PER<br>QQ-N-290                                         |
| DIELECTRIC     | TFE FLUOROCARBON<br>PER ASTM-D-1457,<br>MIL-P-19468, AND<br>FED. SPEC L-P-403 | N/A                                                                                                        |
| CENTER CONTACT | BERYLLIUM COPPER PER<br>ASTM-B196, ALLOY 173                                  | GOLD PLATE PER<br>MIL-G-45204 OVER<br>NICKEL PLATE PER<br>QQ-N-290 OVER<br>COPPER PLATE PER<br>MIL-C-14550 |
| COMPONENT      | MATERIAL                                                                      | FINISH                                                                                                     |

|                                                                                       |                |
|---------------------------------------------------------------------------------------|----------------|
|  | 1996745-2      |
| -                                                                                     | 1996745-1      |
| FINISH                                                                                | PART<br>NUMBER |

|                                                                                       |  |                                                                                                                          |  |                                                                                                       |  |                                            |  |
|---------------------------------------------------------------------------------------|--|--------------------------------------------------------------------------------------------------------------------------|--|-------------------------------------------------------------------------------------------------------|--|--------------------------------------------|--|
| THIS DRAWING IS A CONTROLLED DOCUMENT.                                                |  | DWN Denver Wilson<br>CHK C.C.THOMAS<br>28MAY2008<br>12-8-08                                                              |  |  TE Connectivity |  |                                            |  |
| DIMENSIONS:<br>mm [INCHES]                                                            |  | TOLERANCES UNLESS<br>OTHERWISE SPECIFIED:<br>0 PLC ± -<br>1 PLC ± -<br>2 PLC ± -<br>3 PLC ± -<br>4 PLC ± -<br>ANGLES ± - |  | APVD D.WILSON<br>12-8-08<br>NAME SSMA Connector<br>Vertical PCB Jack                                  |  | PRODUCT SPEC<br>-<br>APPLICATION SPEC<br>- |  |
|  |  | MATERIAL -<br>FINISH -<br>WEIGHT 0.000000                                                                                |  | SIZE A2<br>CAGE CODE 00779<br>DRAWING NO C-1996745                                                    |  | RESTRICTED TO -                            |  |
| CUSTOMER DRAWING                                                                      |  |                                                                                                                          |  | SCALE NTS                                                                                             |  | SHEET 1 of 1                               |  |
|                                                                                       |  |                                                                                                                          |  |                                                                                                       |  | REV C                                      |  |