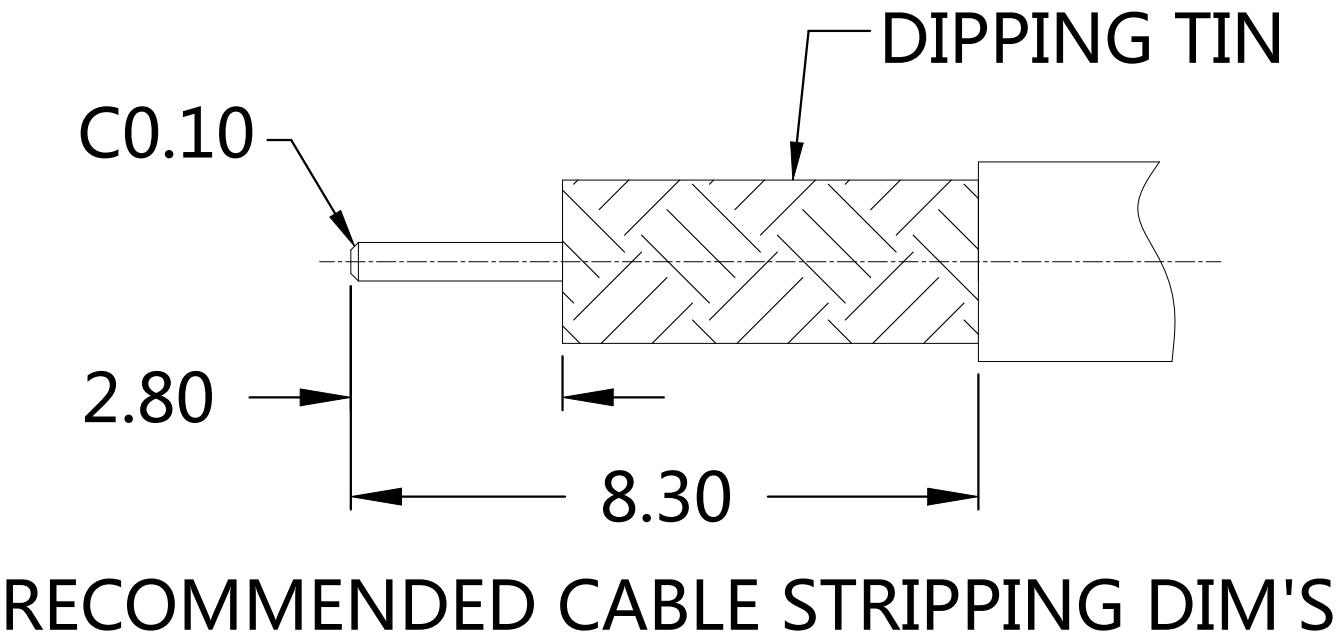


- NOTES:
- PACK IN ACCORDANCE WITH TE SPEC 107-3275
 - ALL DIMENSIONS ARE NOMINAL FOR REFERENCE ONLY UNLESS OTHERWISE STATED
 - 3

 GOLD PLATING 0.254um MIN OVER NIKEL PLATING 1.27um MIN OVER COPPER PLATING 1.27um MIN
 - 4



 GOLD PLATING 0.762um MIN OVER NIKEL PLATING 1.27um MIN OVER COPPER PLATING 1.27um MIN

| ELECTRICAL | MECHANICAL | ENVIRONMENTAL |
|---|---|---|
| Impedance (Ohm) <div>50</div> | Interface Dimension MIL-STD-348B Fig. <div>310-2</div> | TEMPERATURE RANGE <div>-65℃ TO + 165℃</div> |
| Frequency Range (GHz) <div>DC to 27GHz</div> | Recommended Coupling Torque <div>7 to 10 In-Lbs</div> | THERMAL SHOCK <div>MIL-STD-202, METH.107, COND.B</div> |
| Voltage Rating (Peak) <div>@ Sea Level 335 V RMS</div> | Force to Engage and Disengage (In/lbs) <div>2.0 MAX</div> | CORROSION <div>MIL-STD-202, METH.101, COND.B</div> |
| Insulation Resistance (MIN.) <div>5000 M ohms</div> | Center Contact Captivation Axial (Lbs) <div>6.0</div> Radial (In/Oz) <div>N/A</div> | VIBRATION <div>MIL-STD-202, METH.204, COND.D</div> |
| Contact Resistance (Milliohms MAX) Center Contact <div>3.0</div> Outer Contact <div>2.0</div> | Cable Retention Axial (Lbs) <div>N/A</div> | SHOCK <div>MIL-STD-202, METH.213, COND.I</div> |
| Dielectric Withstand Voltage: <div>750 V RMS Max</div> | Mating cycles <div>500 cycles</div> | MOISTURE RESISTANCE <div>MIL-STD-202, METH.106.</div> |
| Insertion Loss : <div>0.1*SQRT(F) dB</div> | | ROHS <div>COMPLIANT</div> |
| VSWR: <div>1.3 MAX(DC-27GHz)</div> | | |
| RF leakage: <div>N/A</div> | | |
| 3rd Intermodulation: <div>N/A</div> | | |



RECOMMENDED CABLE STRIPPING DIM'S

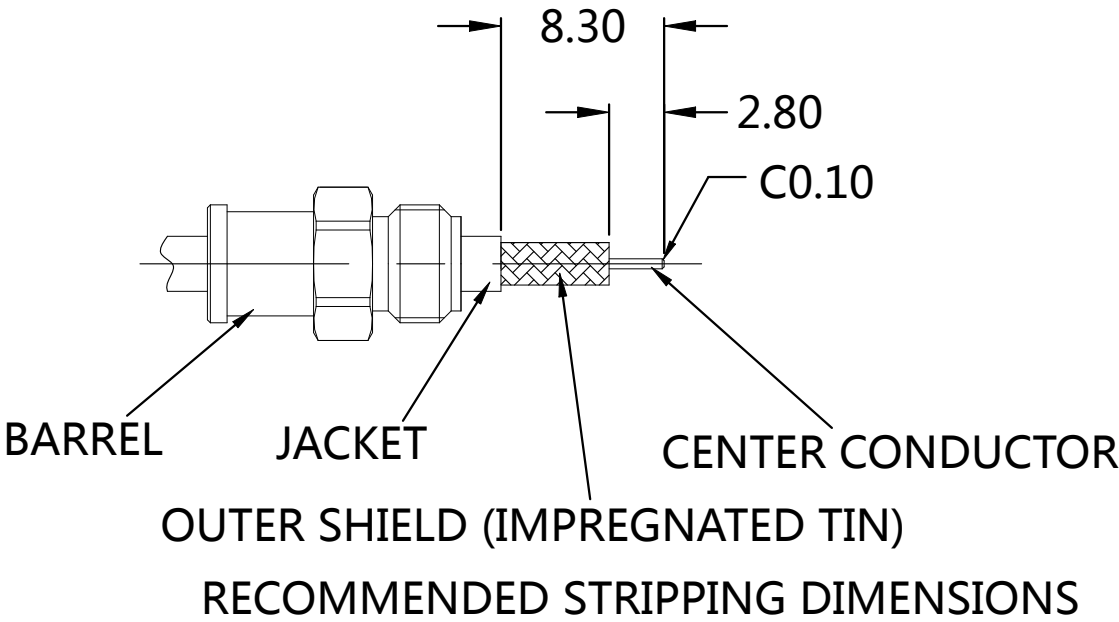
| | | | | | |
|--|-----------|--------------|-----------------|----------------|------|
| | 1 | <div>3</div> | BRASS | BARREL | 5 |
| | 1 | <div>3</div> | BRASS | FERRULE | 4 |
| | 1 | / | PTFE | INSULATOR | 3 |
| | 1 | <div>4</div> | BeCu | CENTER CONTACT | 2 |
| | 1 | PASSIVATION | STAINLESS STEEL | BODY | 1 |
| | 2081884-1 | PLATING | MATERIAL | DESCRIPTION | ITEM |

| | | | | | | | | |
|---|--|----------------------------|--|---|--------------------|-------------------------|--------------------|----------|
| THIS DRAWING IS A CONTROLLED DOCUMENT. | | DWN ED 29DEC2020 | | <div><div></div><div>TE Connectivity</div></div> | | | | |
| DIMENSIONS: mm | | CHK RZ 29DEC2020 | | | | | | |
| <div><div></div></div> | | APVD WH 29DEC2020 | | NAME EP-SMA,PLUG,STRAIGHT,27GHz, SOLDER, MATCH WITH 086 CABLE | | | | |
| | | PRODUCT SPEC 108-160152 | | | | | | |
| | | APPLICATION SPEC — | | | | | | |
| | | WEIGHT 5.5g | | | | | | |
| MATERIAL SEE TABLE | | FINISH — | | SIZE A2 | CAGE CODE 00779 | DRAWING NO C-2081884 | RESTRICTED TO — | |
| | | CUSTOMER DRAWING | | | | SCALE 10:1 | SHEET 1 of 2 | REV A |

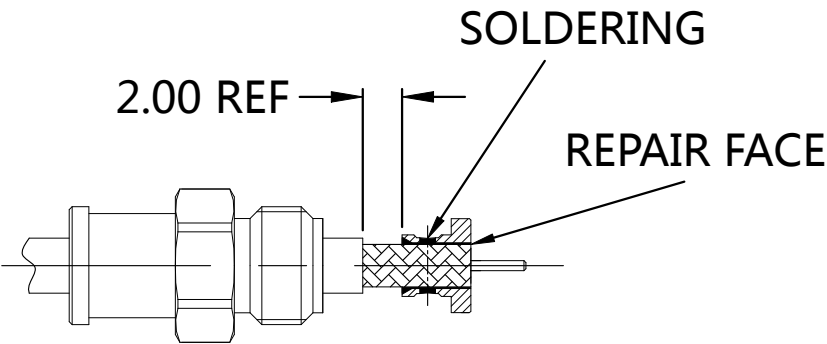
| P | LTR | DESCRIPTION | DATE | DWN | APVD |
|---|-----|-------------|------|-----|------|
| | - | SEE SHEET 1 | - | - | - |

EP-SMA CONNECTOR(2081884-1) INSTALLATION MANUAL

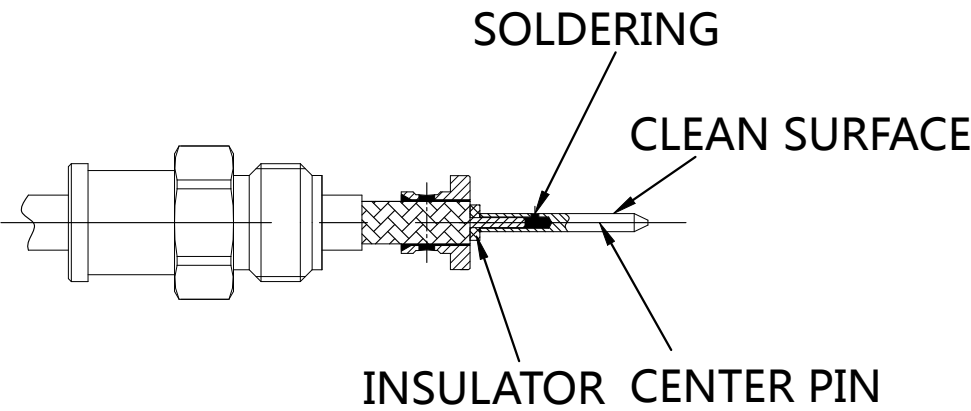
1. A. Strip the cable according to the size shown in the below drawing.
be careful not to cut into the outer shield.
B. Soak the outer shield of the cable in tin.
C. After leaching, peel off the center conductor and proceed with the center conductor C0.10 chamfering, and finally the remaining sheath and outer shielding remove from the central conductor.
place the sleeve over the cable.Remove from the central conductor.
D. Place the sleeve over the cable.



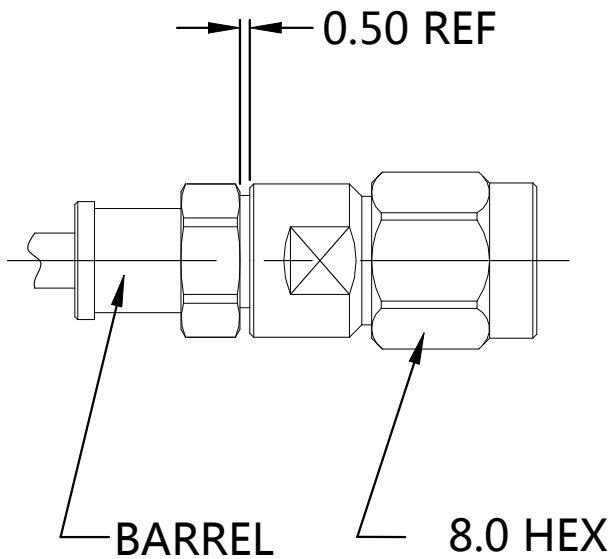
2. A. As shown in the below figure, put the welding cup on the outer shielding layer of the cable first.
B. When welding the cup, control the end surface of the cup with a fixture parallel to the outer shielding end face of the cable.
C. Control welding time and temperature, and remove excess with tools make sure the surface of the solder cup is smooth and clean when the solder cup is spilled excess residue in welding area.



- 3.A. As shown in the figure below, first attach the insulator to the outer shield and put it on on the center conductor of the cable, and then attach the center pin to the insulator,weld to the center conductor of the cable.
B.Control the welding time and temperature, and remove the excess with tools spill the tin spots, make sure the center needle surface is smooth, then clean the welding area of excess residue.excess residue in welding area.



- 4.A. Insert the cable into the main body until it reaches the end face of the insulator on the cable contact with the insulator step inside the main body and cannot be pushed until.
B.As shown in the below figure, screw the sleeve into the main body and tighten it.clean the welding area of excess residue.excess residue in welding area.



| | | | | | | | | |
|--|--|------------------|----|-----------|--|-----------|------------|---------------|
| THIS DRAWING IS A CONTROLLED DOCUMENT. | | DWN | ED | 29DEC2020 | TE Connectivity | | | |
| | | CHK | RZ | 29DEC2020 | | | | |
| | | APVD | WH | 29DEC2020 | NAME | | | |
| | | PRODUCT SPEC | | | EP-SMA,PLUG,STRAIGHT,27GHz, SOLDER, MATCH WITH 086 CABLE | | | |
| | | APPLICATION SPEC | | | SIZE | CAGE CODE | DRAWING NO | RESTRICTED TO |
| | | WEIGHT | | | A2 | 00779 | C=2081884 | - |
| | | CUSTOMER DRAWING | | | SCALE | 10:1 | SHEET | 2 OF 2 |
| | | | | | REV | | | |
| | | | | | A | | | |