
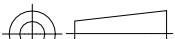


- NOTES:
- 1 PACK IN ACCORDANCE WITH TE SPEC 107-3275
 - 2 ALL DIMENSIONS ARE NOMINAL FOR REFERENCE ONLY UNLESS OTHERWISE STATED
 - 3 GOLD PLATING 0.254um MIN OVER NIKEL PLATING 1.27um MIN OVER COPPER PLATING 1.27um MIN
 - 4 GOLD PLATING 0.762um MIN OVER NIKEL PLATING 1.27um MIN OVER COPPER PLATING 1.27um MIN

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

RECOMMENDED CABLE STRIPPING DIM'S

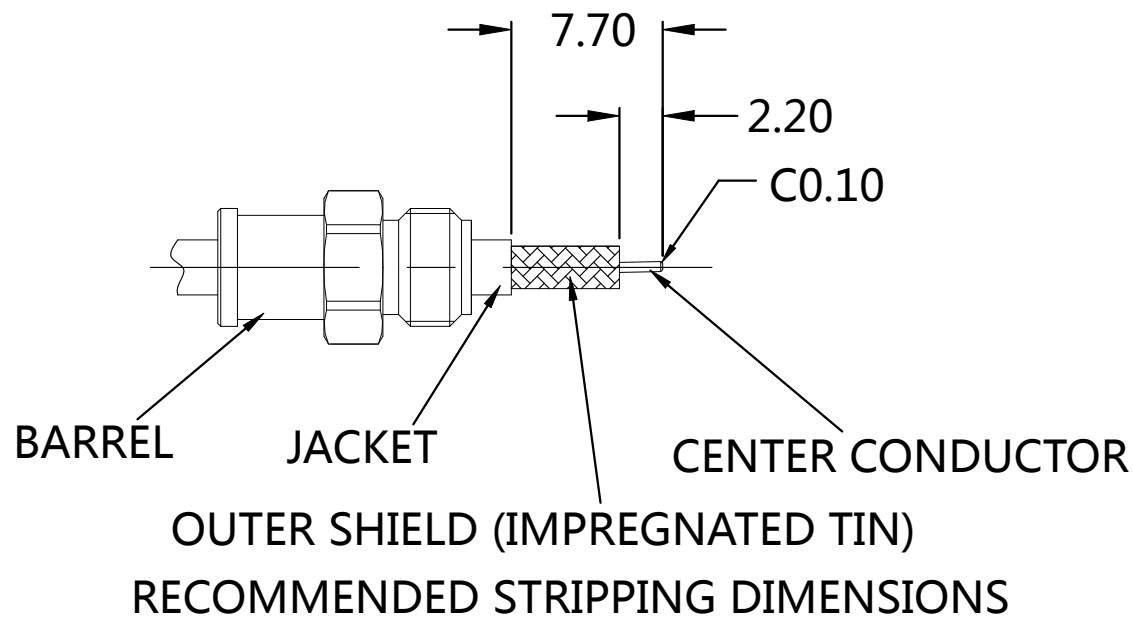
THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN ED 29DEC2020		 TE Connectivity			
DIMENSIONS: mm		CHK RZ 29DEC2020					
		APVD WH 29DEC2020		NAME EP-SMA,JACK,STRAIGHT,27GHz, SOLDER, MATCH WITH 086 CABLE			
		PRODUCT SPEC 108-160152					
		APPLICATION SPEC					
		—					
MATERIAL SEE TABLE		FINISH —		SIZE A2	CAGE CODE 00779	DRAWING NO C-2081885	RESTRICTED TO —
CUSTOMER DRAWING				SCALE 10:1	SHEET 1 of 2	REV A	

	1	3	BRASS	BARREL	5
	1	3	BRASS	FERRULE	4
	1	/	PTFE	INSULATOR	3
	1	4	BeCu	CENTER CONTACT	2
	1	PASSIVATION	STAINLESS STEEL	BODY	1
	2081885-1	PLATING	MATERIAL	DESCRIPTION	ITEM

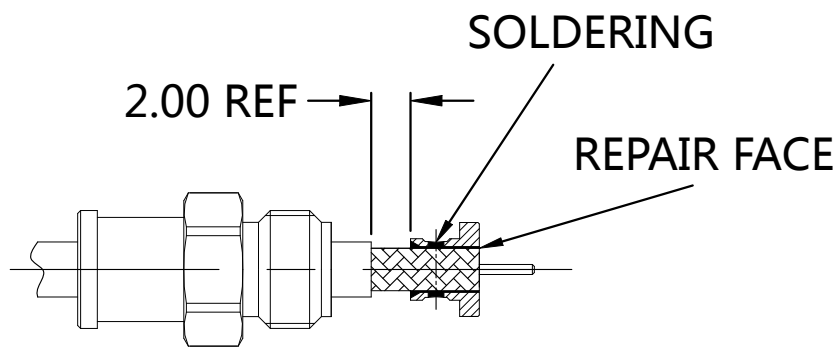
REVISIONS					
P	LTR	DESCRIPTION	DATE	DWN	APVD
	-	SEE SHEET 1	-	-	-

EP-SMA CONNECTOR(2081885-1) INSTALLATION MANUAL

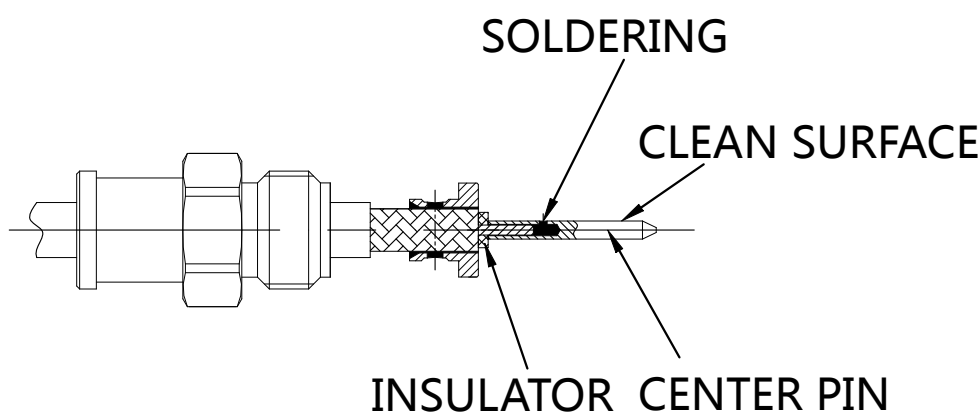
1. A. Strip the cable according to the size shown in the below drawing.
be careful not to cut into the outer shield.
B. Soak the outer shield of the cable in tin.
C. After leaching, peel off the center conductor and proceed with the center conductor C0.10 chamfering, and finally the remaining sheath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



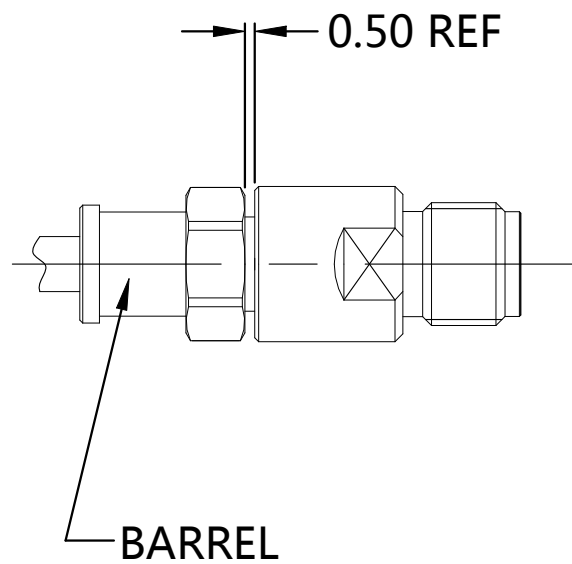
2. A. As shown in the below figure, put the welding cup on the outer shielding layer of the cable first.
B. When welding the cup, control the end surface of the cup with a fixture parallel to the outer shielding end face of the cable.
C. Control welding time and temperature, and remove excess with tools 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								
DIMENSIONS: mm		TOLERANCES, UNLESS OTHERWISE SPECIFIED:		NAME EP-SMA,JACK,STRAIGHT,27GHz, SOLDER, MATCH WITH 086 CABLE						
		APVD WH 29DEC2020								
		PRODUCT SPEC —								
		APPLICATION SPEC —								
				SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO			
MATERIAL SEE TABLE		FINISH —		WEIGHT 0	A2	00779	C=2081885	—		
CUSTOMER DRAWING				SCALE		10:1	SHEET	2 of 2	REV	A