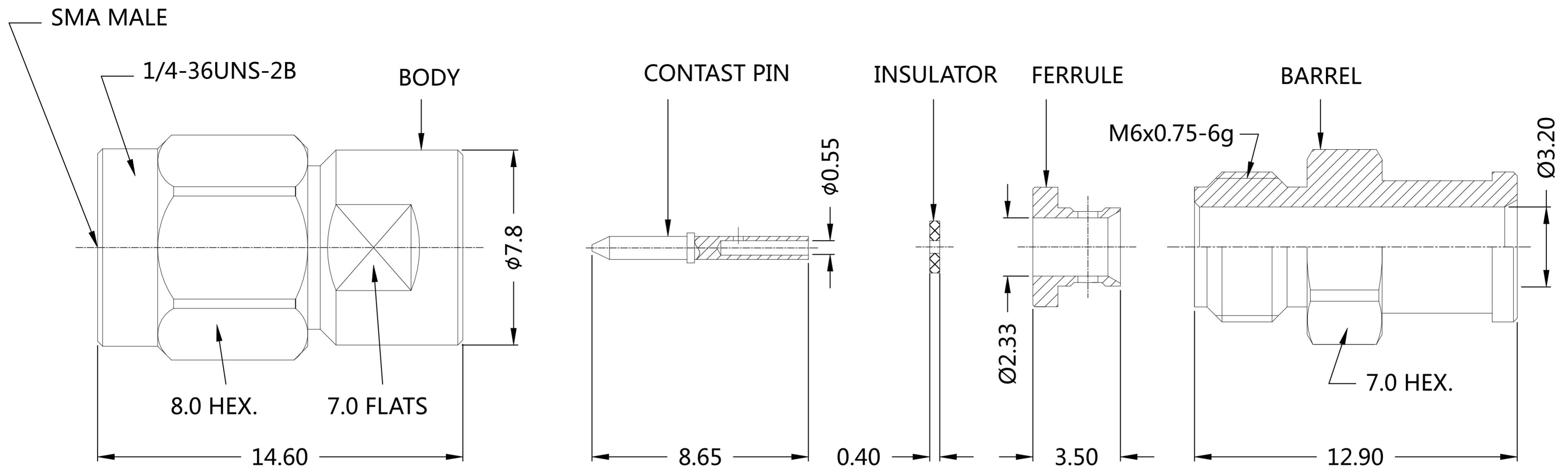


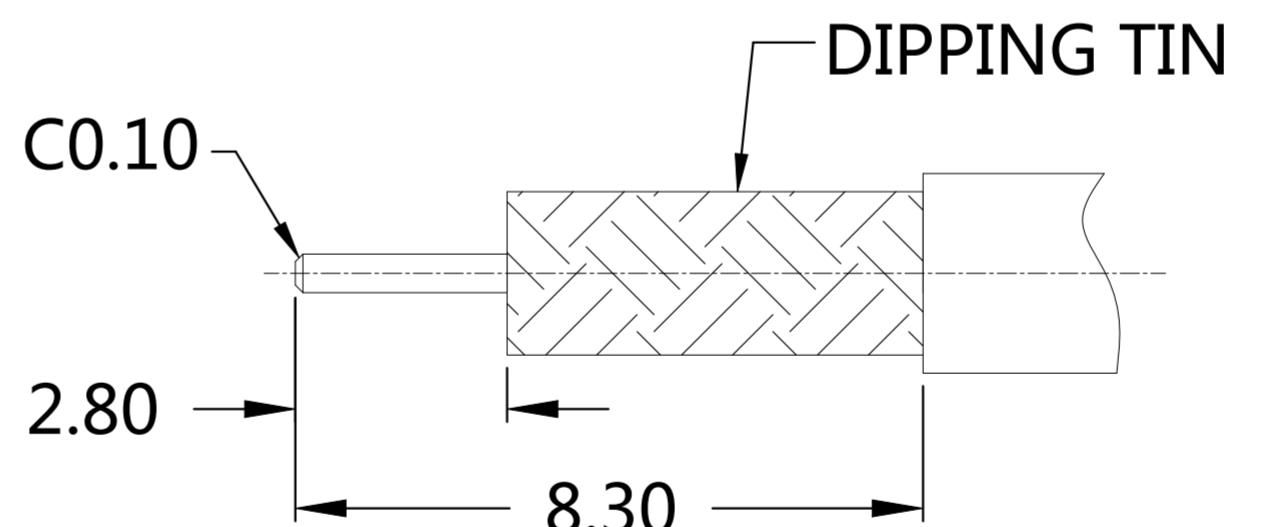
P	LTR	DESCRIPTION	DATE	DWN	APVD
A		REVISED PER ECN-21-101691	26MAR2021	ED	WH



## 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) 50	Interface Dimension MIL-STD-348B Fig. 310-2	TEMPERATURE RANGE -65°C TO + 165°C
Frequency Range (GHz) DC to 27GHz	Recommended Coupling Torque 7 to 10 In-Lbs	THERMAL SHOCK MIL-STD-202, METH.107, COND.B
Voltage Rating (Peak) @ Sea Level 335 V RMS	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	VIBRATION MIL-STD-202, METH.204, COND.D
Contact Resistance (Milliohms MAX) Center Contact 3.0	Axial (Lbs) 6.0	SHOCK MIL-STD-202, METH.213, COND.I
Outer Contact 2.0	Radial (In/Oz) N/A	MOISTURE RESISTANCE MIL-STD-202, METH.106,
Dielectric Withstand Voltage: 750 V RMS Max	Cable Retention Axial (Lbs) N/A	ROHS COMPLIANT
Insertion Loss : 0.1*SQRT(F) dB	Mating cycles 500 cycles	
VSWR: 1.3 MAX(DC-27GHz)		
RF leakage: N/A		
3rd Intermodulation: N/A		



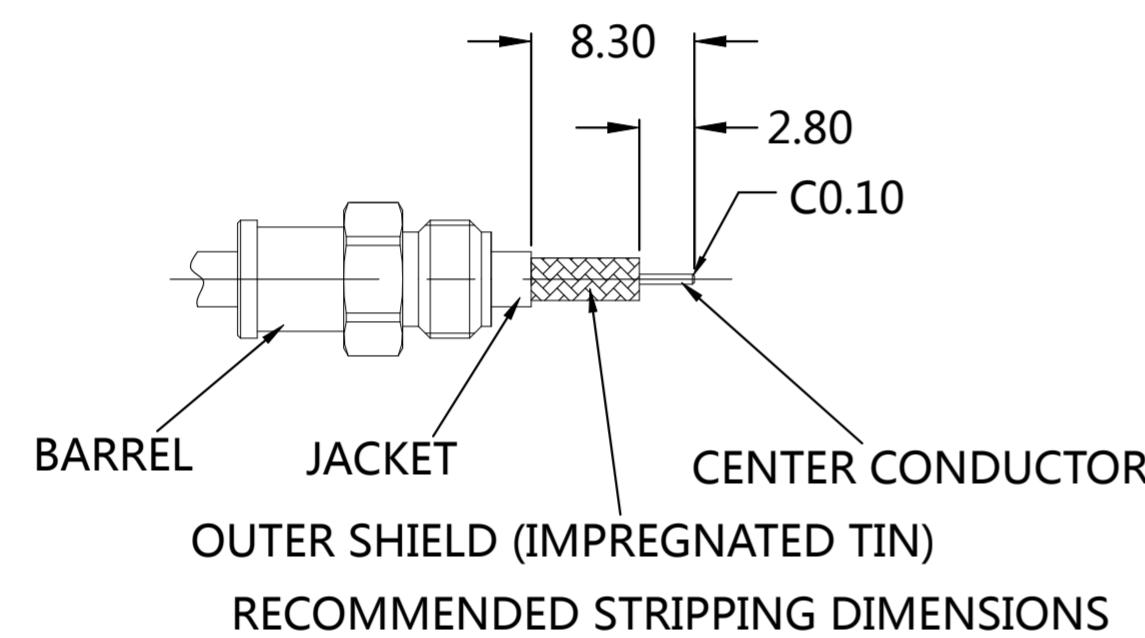
## RECOMMENDED CABLE STRIPPING DIM'S

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
2081884-1	PLATING	MATERIAL	DESCRIPTION	ITEM
QUANTITY PER ASSY				PARTS LIST
1	3	BRASS	BARREL	5
1	/	PTFE	INSULATOR	3
1	4	BeCu	CENTER CONTACT	2
1	PASSIVATION	STAINLESS STEEL	BODY	1
2081884-1	PLATING	MATERIAL	DESCRIPTION	ITEM
THIS DRAWING IS A CONTROLLED DOCUMENT.	DWNRZ	29DEC2020	29DEC2020	TE Connectivity
DIMENSIONS:	0 PLC	± -	ED	
mm	1 PLC	± 0.3	CHK	
	2 PLC	± 0.2	RZ	
	3 PLC	± 0.1	APVD	
	4 PLC	± -	WH	
		± 5°	PRODUCT SPEC	
			108-160152	
			APPLICATION SPEC	
MATERIAL	FINISH	-	WEIGHT	5.5g
SEE TABLE			CUSTOMER DRAWING	
			SCALE	10:1
			RESTRICED TO	
A2	00779	C-2081884		
			1 OF 2	REV A

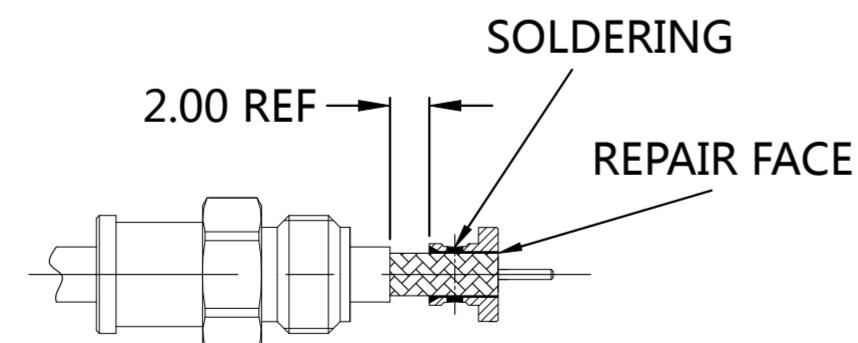
P	LTR	DESCRIPTION	DATE	DWN	APVD
—	—	SEE SHEET 1	—	—	—

# EP-SMA CONNECTOR(2081884-1) INSTALLATION MANUAL

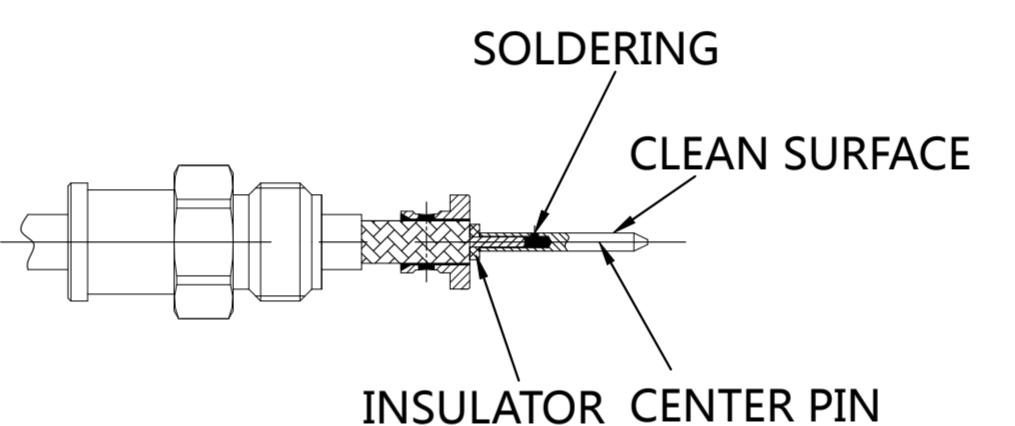
1. A. Strip the cable according to the size shown in the below drawing. be careful not to cut into the outer shield.
- B. Soak the outer shield of the cable in tin.
- C. After leaching, peel off the center conductor and proceed with the center conductor C0.10 chamfering, and finally the remaining sheath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



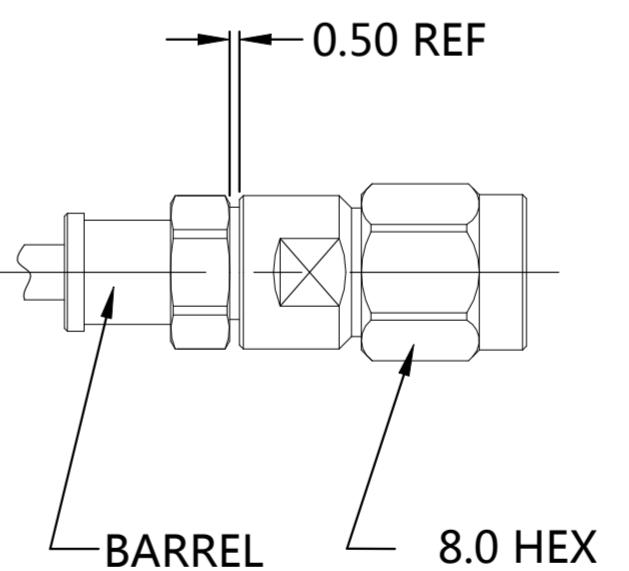
2. A. As shown in the below figure, put the welding cup on the outer shielding layer of the cable first.
- B. When welding the cup, control the end surface of the cup with a fixture parallel to the outer shielding end face of the cable.
- C. Control welding time and temperature, and remove excess with 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 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 CHK RZ APVD WH PRODUCT SPEC — APPLICATION SPEC — MATERIAL SEE TABLE	29DEC2020 29DEC2020 29DEC2020 — — — — FINISH —	NAME TE Connectivity EP-SMA,PLUG,STRAIGHT,27GHz, SOLDER, MATCH WITH 086 CABLE
SIZE	CAGE CODE	DRAWING NO		RESTRICTED TO
A2	00779	C-2081884	—	
CUSTOMER DRAWING		SCALE 10:1	SHEET 2 OF 2	REV A