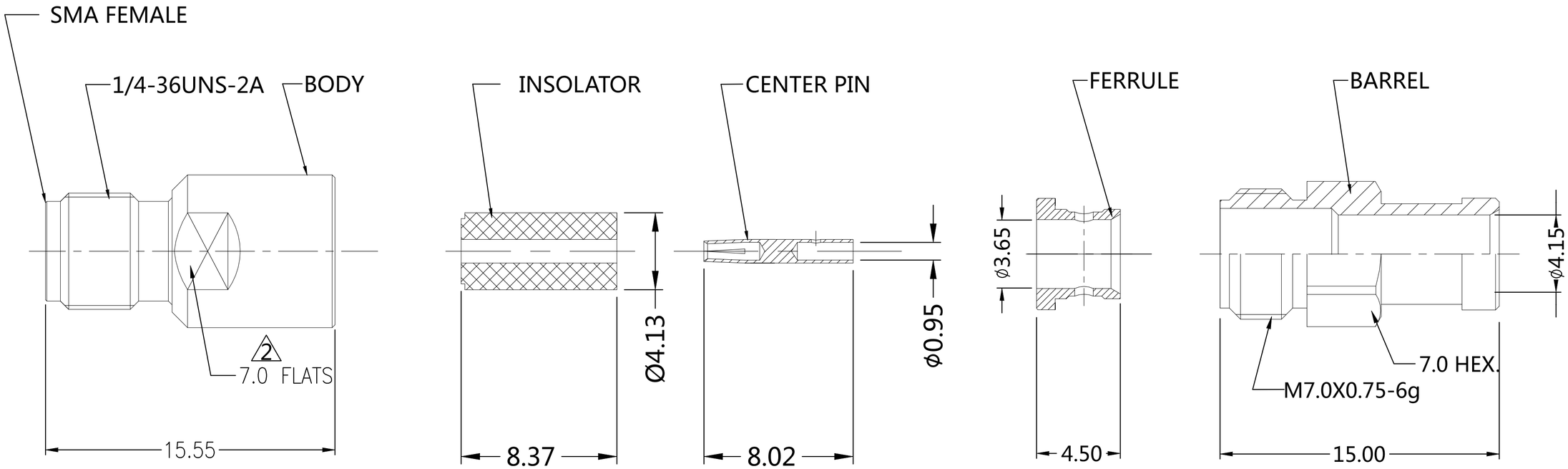
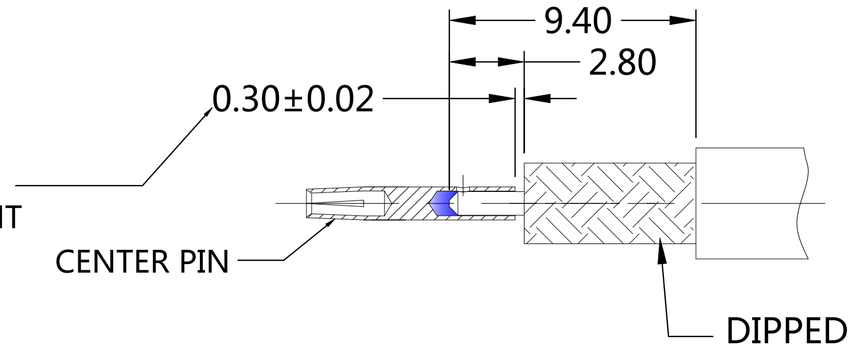
REVISIONS					
P	LTR	DESCRIPTION	DATE	DWN	APVD
	A	REVISED PER ECN–21–101446	22MAR2021	ED	WH



RECOMMENDED STRIPPING DIMENSIONS



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℃ TO + 165℃
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 Cantact Captivation	VIBRATION MIL–STD–202, METH.204, COND.D
Contact Resistance (Milliohms MAX)	Axial (Lbs) 6.0	SHOCK MIL–STD–202, METH.213, COND.I
Center Contact 3.0	Radial (In/Oz) N/A	MOISTURE RESISTANCE MIL–STD–202, METH.106,
Outer Contact 2.0	Cable Retention	
Dielectric Withstand Voltage: 750 V RMS Max	Axial (Lbs) N/A	ROHS COMPLIANT
Insertion Loss : 0.1*SQRT(F) dB		
VSWR: 1.3 MAX (DC–27GHz)	Mating cycles 500 cycles	
RF leakage: N/A		
3rd Intermodulation: N/A		

ITEM	QUANTITY PER ASSY	PLATING	MATERIAL	DESCRIPTION
5	1	PASSIVATION	STAINLESS STEEL	BARREL
4	1	3	BRASS	FERRULE
3	1	/	PTFE	INSULATOR
2	1	4	BeCu	CENTER CONTACT
1	1	PASSIVATION	STAINLESS STEEL	BODY
	2081887–1	PLATING	MATERIAL	DESCRIPTION

PARTS LIST

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS: mm

TOLERANCES UNLESS OTHERWISE SPECIFIED:
0 PLC ± –
1 PLC ± 0.3
2 PLC ± 0.2
3 PLC ± 0.1
4 PLC ± –
ANGLES ± 5°

MATERIAL: SEE TABLE

FINISH: –

DWN ED 29DEC2020
CHK RZ 29DEC2020
APVD WH 29DEC2020
PRODUCT SPEC 108–160152
APPLICATION SPEC –
WEIGHT 5.8g

TE Connectivity

NAME EP–SMA,JACK,STRAIGHT,27GHz, SOLDER,MATCH WITH 141 CABLE –

SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A2	00779	2081887	–

CUSTOMER DRAWING | SCALE 10:1 | SHEET 1 OF 2 | REV A

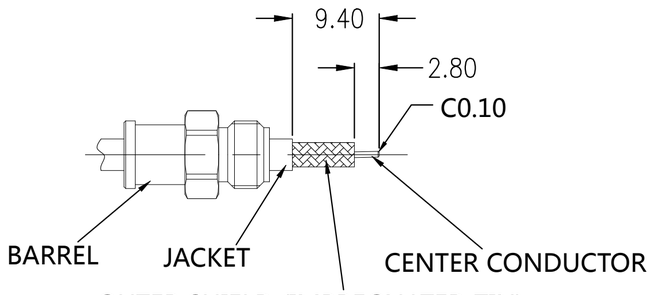
2081887

1471–9 (1/15)

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

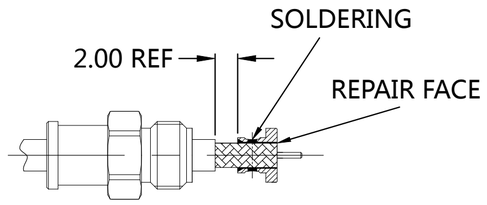
EP-SMA CONNECTOR(2081887-1) INSTALLATION MANUAL

1. A. Strip the cable according to the size shown in the left 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.



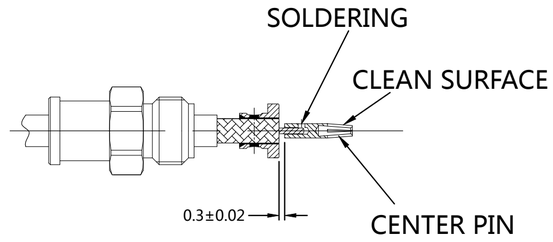
RECOMMENDED STRIPPING DIMENSIONS

2. A. As shown in the left 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.

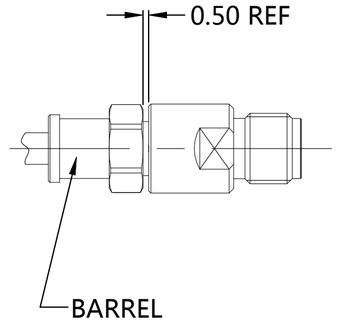


3.A. As shown in the figure below, solder cable inner conductor with the center pin, but please leave 0.3mm gap between cable inner conductor and center pin.

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 left 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	
DIMENSIONS: mm	CHK RZ 29DEC2020	NAME EP–SMA,JACK,STRAIGHT,27GHz, SOLDER,MATCH WITH 141 CABLE –	
TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ± –, 1 PLC ± 0.3, 2 PLC ± 0.2, 3 PLC ± 0.1, 4 PLC ± –, ANGLES ± 5'	APVD WH 29DEC2020	SIZE A2 / CAGE CODE 00779 / DRAWING NO C-2081887 / RESTRICTED TO —	
MATERIAL SEE TABLE	PRODUCT SPEC —		
FINISH –	APPLICATION SPEC —		
	WEIGHT —	CUSTOMER DRAWING	SCALE 10:1 / SHEET 2 OF 2 / REV A

2081887