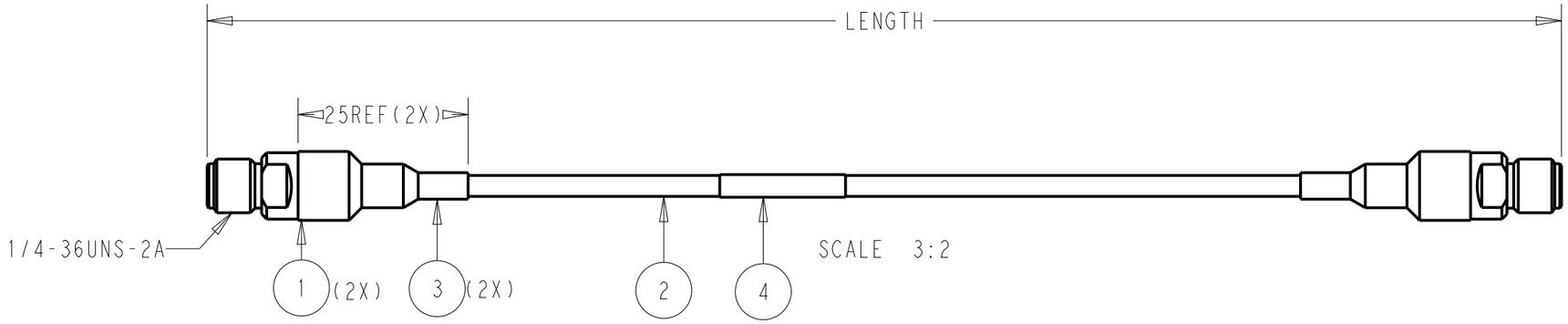
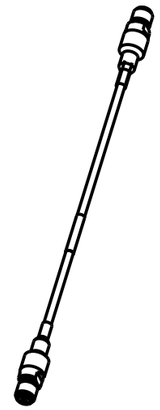
© 2021 TE Connectivity. All Rights Reserved.

REVISIONS					
P	LTR	DESCRIPTION	DATE	DWN	APVD





SCALE 1:2

PART NUMBER	LENGTH
2-2016759-0	2000±10
1-2016759-5	1500±10
1-2016759-0	1000±10
2016759-9	350±5
2016759-8	250±3
2016759-7	150±3
2016759-6	50±3
2016759-5	500±5
2016759-4	400±5
2016759-3	300±4
2016759-2	200±3
2016759-1	100±3

THIS PRINT IS

PRELIMINARY

UNQUALIFIED PRODUCT
CONTACT PRODUCT ENGINEERING
BEFORE USING THIS PRINT

NOTES:
1. MATERIAL AND PROCESSING MUST MEET REQUIREMENTS OF TEC-138-702
2. MATERIAL CHARACTERISTIC
   SMA CONN: INNER CONTACT:BeCu,30MICRO-INCH MIN GOLD PLATING
   OUTER BODY: STAINLESS STEEL,PASSIVATION
   OTHER: BRASS
   CABLE: RG405 (.086) FLEXIBLE CABLE,BLUE
3. PRODUCT RATING:
   TEMPERATURE: -55°C TO +125°C
   VOLTAGE: 500V (RMS)
   CHARACTERISTIC IMPEDANCE: 50OHMS (NOMINAL)
   FREQUENCY RANGE: DC TO 27GHz
   BEND RADIUS: 12MM MIN (REPEATED)
4. CABLE ASSEMBLY TO BE 100% SI TESTED
   VSWR: 1.25:1 MAX @ DC~27000MHz
   INSERT LOSS: {[0.0207*SQRT(f)+0.000039*f]*LENGTH+0.015f/1000}dB (TYPICAL)
   LENGTH UNIT IS METER IN THE FORMULA.f IS FREQUENCY IN MHz
5. CONNECTOR FOLLOW IEC 60169-15
6. CABLE ASSEMBLY CAN MEET MECHANICAL
   COUPLING TORQUE(NORMAL): 0.8~1.1N.M
   TENSILE STRENGTH OF COUPLING: 180N MIN
   CABLE PULLING: 90N MIN
7. LABEL WILL MARK PN,NAME,YEAR AND WEEK

ITEM	QTY	UNIT	DESCRIPTION
4	1	PC	LABEL
3	AR	MR	HEAT SHRINK TUBE BLACK
2	AR	MR	EPC-086 CABLE,27GHz,FLEX,BLUE
1	2	PC	SMA PLUG,27GHZ,FOR EPC-086

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS: mm

TOLERANCES UNLESS OTHERWISE SPECIFIED:
0 PLC ±-
1 PLC ±0.1
2 PLC ±0.01
3 PLC ±0.001
4 PLC ±0.0001
ANGLES ±-

MATERIAL: TBD -

FINISH: - finish_spec_2

DWN Cedar Liu 09DEC2020
CHK Roger Song 09DEC2020
APVD Wenke He -
PRODUCT SPEC -
APPLICATION SPEC -
WEIGHT -

TE Connectivity

NAME EP-SMA,27GHz F-F,RG405(.086) FLEX
- -

SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A3	00779	C-2016759	

RESTRICTED CUSTOMER

SCALE 1:1 SHEET 1 OF 1 REV 1