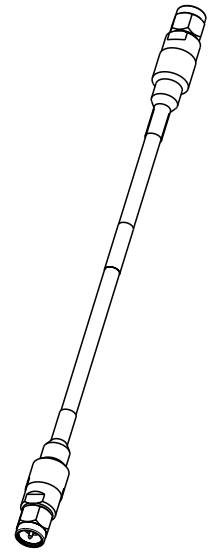
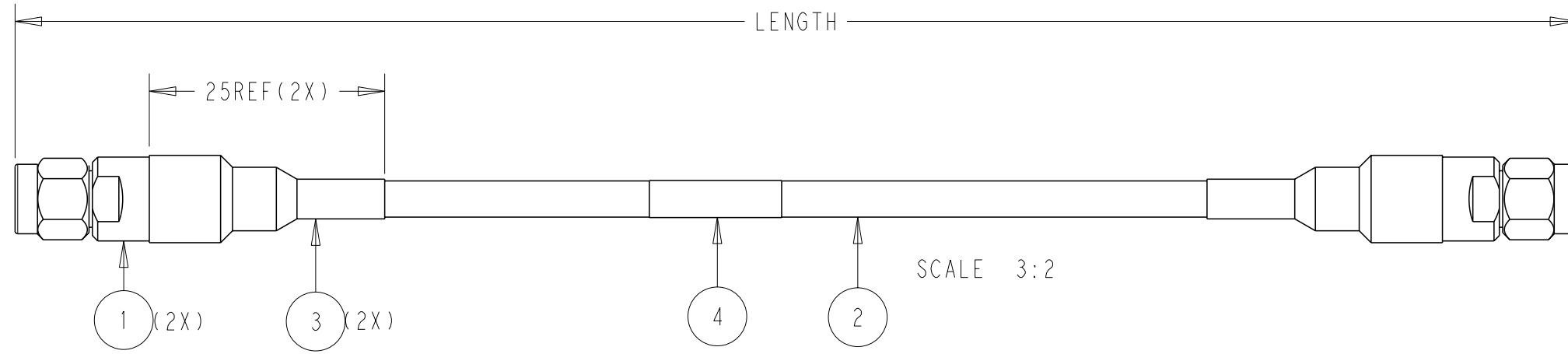


REVISIONS

P	LTR	DESCRIPTION	DATE	DWN	APVD
	A	INITIAL CREATED	30MAR2021	CL	WH



SCALE 1:2

PART NUMBER	LENGTH
2-2016748-0	2000±10
1-2016748-5	1500±10
1-2016748-0	1000±10
2016748-9	350±5
2016748-8	250±3
2016748-7	150±3
2016748-6	50±3
2016748-5	500±5
2016748-4	400±5
2016748-3	300±4
2016748-2	200±3
2016748-1	100±3

- NOTES:
- MATERIAL AND PROCESSING MUST MEET REQUIREMENTS OF TEC-138-702
  - MATERIAL CHARACTERISTIC  
SMA CONN: INNER CONTACT: BeCu, 30MICRO-INCH MIN GOLD PLATING  
OUTER BODY: STAINLESS, PASSIVATION  
OTHER: BRASS
  - CABLE: RG402 (.141) FLEXIBLE CABLE, BLUE  
PRODUCT RATING:  
TEMPERATURE: -45°C TO +125°C  
VOLTAGE: 500V (RMS)  
CHARACTERISTIC IMPEDANCE: 50 OHMS (NORMAL)  
FREQUENCY RANGE: DC TO 27GHz  
BEND RADIUS: 25MM MIN (REPEATED)
  - CABLE ASSEMBLY TO BE 100% SI TESTED  
VSWR: 1.25:1 MAX @ DC~27000MHz  
INSERT LOSS:  $\{[0.0108 * \text{SQRT}(f) + 0.000039 * f] * \text{LENGTH} + 0.015f / 1000\}$  dB (TYPICAL)  
LENGTH UNIT IS METER IN THE FORMULA. f IS FREQUENCY IN MHz
  - CONNECTOR FOLLOW IEC 60169-15
  - CABLE ASSEMBLY CAN MEET MECHANICAL  
COUPLING TORQUE(NORMAL): 0.8~1.1N.M  
TENSILE STRENGTH OF COUPLING: 180N MIN  
CABLE PULLING: 180N MIN
  - LABEL WILL MARK PN, NAME, YEAR AND WEEK
  - CONNECTOR BE PROTECTED WITH CAP

PC	Q'TY	DESCRIPTION	ITEM
PC	1	LABEL	4
MR	AR	HEAT SHRINK TUBE BLACK	3
MR	AR	EPC-141 CABLE, 27GHz, FLEX, BLUE	2
PC	2	SMA PLUG, 27GHz, SS, FOR EPC-141	1

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN 09DEC2020 Cedar Liu		
DIMENSIONS: mm		CHK 09DEC2020 Roger Song		
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD - Wenke He	NAME EP-SMA, 27GHz Str, M-M, RG402/.141, FLEX	
0 PLC ±-		PRODUCT SPEC -	-	
1 PLC ±0.1		APPLICATION SPEC -	-	
2 PLC ±0.01		WEIGHT -	SIZE A3	CAGE CODE 00779
3 PLC ±0.001		MATERIAL TBD	DRAWING NO C-2016748	RESTRICTED TO -
4 PLC ±0.0001			FINISH -	SCALE 1:1
ANGLES ±		finish_spec_2	CUSTOMER DRAWING	REV A

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