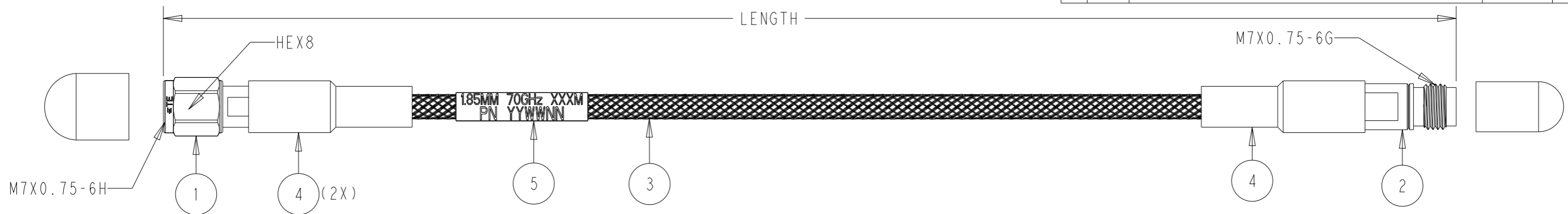


P	LTR	DESCRIPTION	DATE	DWN	APVD
	A1	ECR-22-132324	13MAR2022	CL	WH



NOTES:

- MATERIAL AND PROCESSING MUST MEET REQUIREMENTS OF TEC-138-702
  - MATERIAL CHARACTERICAL CONNECTOR: MEET IEEE287 GPC 1.85 INTERFACE AND ITS REQUIREMENT  
NO LESS THAN 50u GOLD PLATING ON CONTACT PIN  
PASSIVATION STRAINLESS STEEL FOR BODY AND SHELL  
ARMOR FLEXIBLE CABLE,PTFE BRAID JACKET(BLACK&RED STRIPE)
  - CABLE:  
PRODUCT RATING: -55°C TO +125°C  
TEMPERATURE:  
CHARACTERISTIC IMPEDANCE: 50OHMS NORMAL  
FREQUENCY RANGE: DC TO 70GHz  
DURABILITY(CONNECTOR): NO LESS THAN 500 TIMES  
BEND RADIUS: 50.8MM MIN(REPEATED)
  - CABLE ASSEMBLY CAN MEET ELECTRICAL CHARACTERISTIC  
RETURN LOSS: -17.5dB MAX @ DC~70GHz  
INSERT LOSS(MAX): SEE LABEL  
MECHANICAL PHASE STABILITY: <math>\lt; \pm 10^\circ </math> @ DC~70GHz (WHEN CABLE WRAPPED 360° AROUND A 4.5INCH DIAMETER MANDREL)  
INSERTION LOSS STABILITY: <math>\lt; \pm 0.10\text{dB} </math> @ DC~70GHz (WHEN CABLE WRAPPED 360° AROUND A 4.5INCH DIAMETER MANDREL)
5. MARKING CONTENT SHOULD BE "1.85 70GHz XXXM TE PN YYWWNNN",WHERE XXXM IS LENGTH (EXAMPLE:0.3M AS BELOW),YY IS YEAR,WW IS WEEK,NNN IS SERIAL NUMBER
- 1.85 70GHz 0.3M  
2016489-3 YYWWNNN
- CONNECTOR NEED INSTALL WITH CAP,PACKAGE FOLLOW 619623-1 AND TEC-107-115
  - CONNECTOR WILL LASER MAKR TE LOGO

2-2016489-0	2000±10MM	-13.00dB MIN@70GHz
1-2016489-5	1500±5MM	-10.00dB MIN@70GHz
1-2016489-2	1220±5MM	-8.32dB MIN@70GHz
1-2016489-0	1000±5MM	-7.00dB MIN@70GHz
2016489-9	910±3MM	-6.46dB MIN@70GHz
2016489-6	610±3MM	-4.66dB MIN@70GHz
2016489-3	305±3MM	-2.83dB MIN@70GHz
TE PN	LENGTH	INSERTION LOSS

PC	Q'TY	DESCRIPTION	ITEM
PC	1	MARKING TUBE WHITE	5
PC	2	BOOT OR HST	4
MR	AR	COAX CABLE, 70GHz;SS ARMOR & BRAID JACKET	3
PC	1	IEEE GPC1.85,FEMALE,STRAIGHT,WITH CAP	2
PC	1	IEEE GPC1.85,MALE,STRAIGHT,WITH CAP	1

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN 27AUG2020 Cedar Liu		<b>TE</b> TE Connectivity	
DIMENSIONS: mm		CHK 30AUG2020 Cedar Liu			
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD - Roger Song		NAME HF CA,1.85 PLUG TO PLUG, 70GHz	
0 PLC ±-		PRODUCT SPEC -		SIZE	
1 PLC ±0.5		APPLICATION SPEC -		CAGE CODE	
2 PLC ±0.13		WEIGHT -		DRAWING NO	
3 PLC ±0.013		CUSTOMER DRAWING		RESTRICTED TO	
4 PLC ±0.0001		SCALE 1:2		SHEET 1 OF 1	
ANGLES ±-		REV A1			
FINISH -					
MATERIAL TBD					
finish_spec_2					