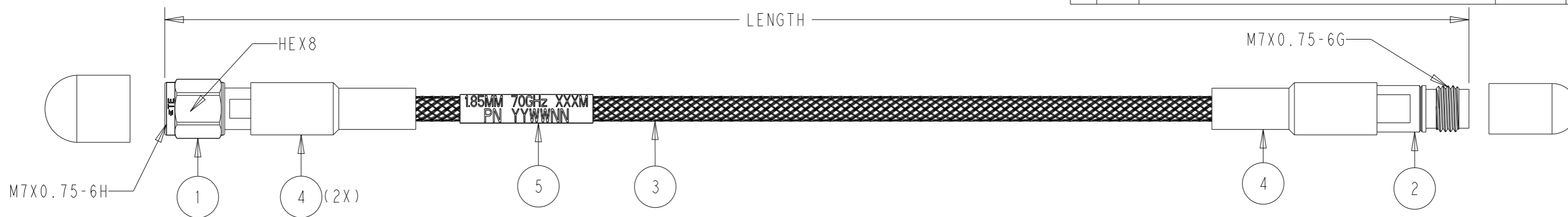


P	LTR	DESCRIPTION	DATE	DWN	APVD
	A1	ECR-22-132324	13MAR2022	CL	WH



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: $\pm 10^\circ$ @ DC~70GHz (WHEN CABLE WRAPPED 360° AROUND A 4.5 INCH DIAMETER MANDREL)
INSERTION LOSS STABILITY: $\pm 0.10\text{dB}$ @ DC~70GHz (WHEN CABLE WRAPPED 360° AROUND A 4.5 INCH 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		TE 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 ±0.001		SCALE 1:2		SHEET 1 OF 1	
ANGLES ±-		REV A1			
FINISH -					
MATERIAL TBD					
finish_spec_2					