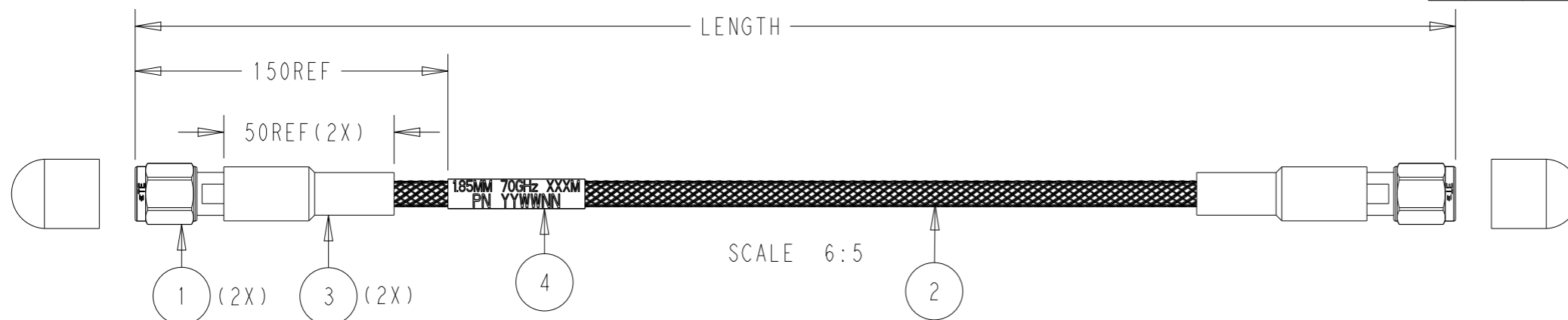


P	LTR	DESCRIPTION	DATE	DWN	APVD
	1	INITIAL CREATED	06MAY2021	CL	WH
	2	UPDATED THE FIGURE	23DEC2021	CL	WH
	3	UPDATED RETURN LOSS	30DEC2021	CL	WH
	A1	ECR-22-132324	13MAR2022	CL	WH



NOTES:

- MATERIAL AND PROCESSING MUST MEET REQUIREMENTS OF TEC-138-702
- MATERIAL CHARACTERICAL  
CONNECTOR: IEEE287 GPC 1.85 INTERFACE  
CABLE: ARMOR FLEXIBLE CABLE
- PRODUCT RATING:  
TEMPERATURE: -55°C TO +125°C  
CHARACTERISTIC IMPEDANCE: 50 OHMS NORMAL  
FREQUENCY RANGE: DC TO 70GHz  
DURABILITY(CONNECTOR): NO LESS THAN 500 TIMES  
BEND RADIUS: 60MM 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 120MM DIAMETER MANDREL)  
INSERTION LOSS STABILITY: <math>\lt; \pm 0.10\text{dB}</math> @ DC~70GHz (WHEN CABLE WRAPPED 360° AROUND A 120MM DIAMETER MANDREL)
- MARKING CONTENT SHOULD BE "1.85 70GHz XXXM TE PN YYWNNN", WHERE XXXM IS LENGTH (EXAMPLE:0.3M), YY IS YEAR, WW IS WEEK, NNN IS SERIAL NUMBER
- CONNECTOR NEED INSTALL WITH CAP, PACKAGE FOLLOW TEC-107-115
- PACKAGE FOLLOW TE PN:619623-1
- ALL CABLE ASSEMBLY PERFORMANCE CAN MEET TE 108-160080
- OPERATION FOLLOW 114-160147

2-2016487-0	78.7±0.59INCH	2000±15MM	-13.0dB MIN@70GHz
1-2016487-5	59.1±0.40INCH	1500±10MM	-10.0dB MIN@70GHz
1-2016487-2	48.0±0.40INCH	1220±10MM	-8.5dB MIN@70GHz
1-2016487-0	39.4±0.30INCH	1000±8MM	-7.0dB MIN@70GHz
2016487-9	36.0±0.30INCH	910±8MM	-6.5dB MIN@70GHz
2016487-6	24.0±0.25INCH	610±6MM	-4.6dB MIN@70GHz
2016487-3	12.0±0.20INCH	305±5MM	-3.0dB MIN@70GHz
TE PN	LENGTH	INSERTION LOSS	

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

1.85 70GHz 0.3M  
2016487-3 YYWNNN

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN 27AUG2020 Cedar Liu		
DIMENSIONS: mm		CHK 30AUG2020 Roger Song		
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD 29MAR2021 WenKe He	NAME HF CA, 1.85 MALE TO MALE, 70GHz	
		PRODUCT SPEC	-	
0 PLC ±- 1 PLC ±0.5 2 PLC ±0.13 3 PLC ±0.013 4 PLC ±0.0001 ANGLES ±-		APPLICATION SPEC	-	
MATERIAL TBD		WEIGHT -	SIZE A3	CAGE CODE 00779
FINISH -		CUSTOMER DRAWING	DRAWING NO C-2016487	RESTRICTED TO -
finish_spec_2		SCALE 1:2	SHEET 1 OF 1	REV A1