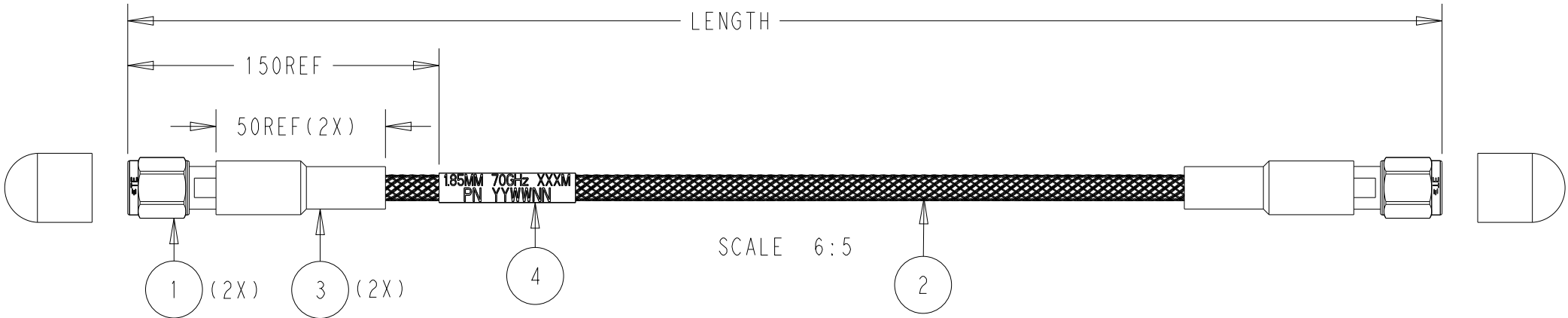


P	LTR	DESCRIPTION	DATE	DWN	APVD
	1	INITIAL CREATED	06MAY2021	CL	WH
	2	UPDATED THE FIGURE	23DEC2021	CL	WH
	3	UPDATED RETURN LOSS	30DEC2021	CL	WH



- 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: <±10° @ DC~70GHz (WHEN CABLE WRAPPED 360° AROUND A 120MM DIAMETER MANDREL)
INSERTION LOSS STABILITY: <±0.10dB @ DC~70GHz (WHEN CABLE WRAPPED 360° AROUND A 120MM DIAMETER MANDREL)
 - MARKING CONTENT SHOULD BE "1.85 70GHz XXXM TE PN YYWWNNN",WHERE XXXM IS LENGTH (EXAMPLE:0.3M),YY IS YEAR,WW IS WEEK,NNN IS SERIAL NUMBER
- 1.85 70GHz 0.3M
2016490-3 YYWWNNN
- 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

THIS PRINT IS
PRELIMINARY
UNQUALIFIED PRODUCT
CONTACT PRODUCT ENGINEERING
BEFORE USING THIS PRINT

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

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
UNIT	Q'TY	DESCRIPTION	ITEM

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN Cedar Liu 27AUG2020	TE Connectivity		
		CHK Roger Song 30AUG2020			
		APVD WenKe He 29MAR2021	NAME HF CA,1.85 MALE TO MALE, 70GHz		
DIMENSIONS: mm		PRODUCT SPEC			
		APPLICATION SPEC			
MATERIAL TBD		WEIGHT	SIZE A3	CAGE CODE 00779	DRAWING NO C-2016487
		FINISH finish_spec_2	RESTRICTED TO -		
			SCALE 1:2 SHEET 1 OF 1 REV A		
			CUSTOMER DRAWING		

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