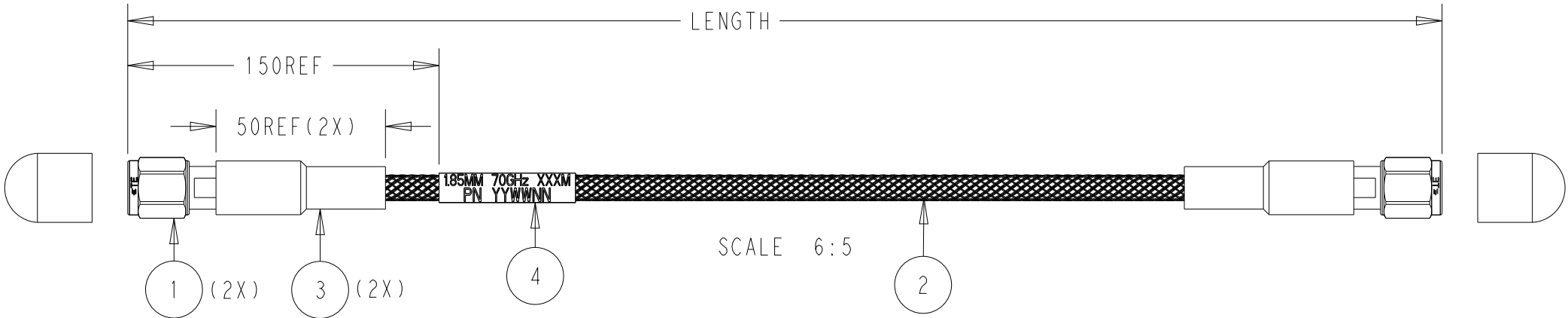


| P | LTR | DESCRIPTION         | DATE      | DWN | APVD |
|---|-----|---------------------|-----------|-----|------|
|   | 1   | INITIAL CREATED     | 06MAY2021 | CL  | WH   |
|   | 2   | UPDATED THE FIGURE  | 23DEC2021 | CL  | WH   |
|   | 3   | UPDATED RETURN LOSS | 30DEC2021 | CL  | WH   |
|   |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



NOTES:

1. MATERIAL AND PROCESSING MUST MEET REQUIREMENTS OF TEC-138-702
2. MATERIAL CHARACTERICAL  
CONNECTOR: IEEE287 GPC 1.85 INTERFACE  
CABLE: ARMOR FLEXIBLE CABLE
3. 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)
4. 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)
5. 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

6. CONNECTOR NEED INSTALL WITH CAP,PACKAGE FOLLOW TEC-107-115
7. PACKAGE FOLLOW TE PN:619623-1
8. ALL CABLE ASSEMBLY PERFORMANCE CAN MEET TE 108-160080
9. 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 27AUG2020<br>Cedar Liu                                                          | TE Connectivity                     |  |  |
|                                        |  | CHK 30AUG2020<br>Roger Song                                                         |                                     |  |  |
|                                        |  | APVD 29MAR2021<br>WenKe He                                                          | NAME HF CA,1.85 MALE TO MALE, 70GHz |  |  |
| DIMENSIONS:<br>mm                      |  | TOLERANCES UNLESS OTHERWISE SPECIFIED:                                              |                                     |  |  |
|                                        |  | 0 PLC ±-<br>1 PLC ±0.5<br>2 PLC ±0.13<br>3 PLC ±0.013<br>4 PLC ±0.0001<br>ANGLES ±- |                                     |  |  |
| MATERIAL TBD                           |  | FINISH -                                                                            |                                     |  |  |
|                                        |  | finish_spec_2                                                                       |                                     |  |  |
|                                        |  | CUSTOMER DRAWING                                                                    |                                     |  |  |
|                                        |  | SCALE 1:2                                                                           |                                     |  |  |
|                                        |  | SHEET 1 OF 1                                                                        |                                     |  |  |
|                                        |  | REV A                                                                               |                                     |  |  |

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