

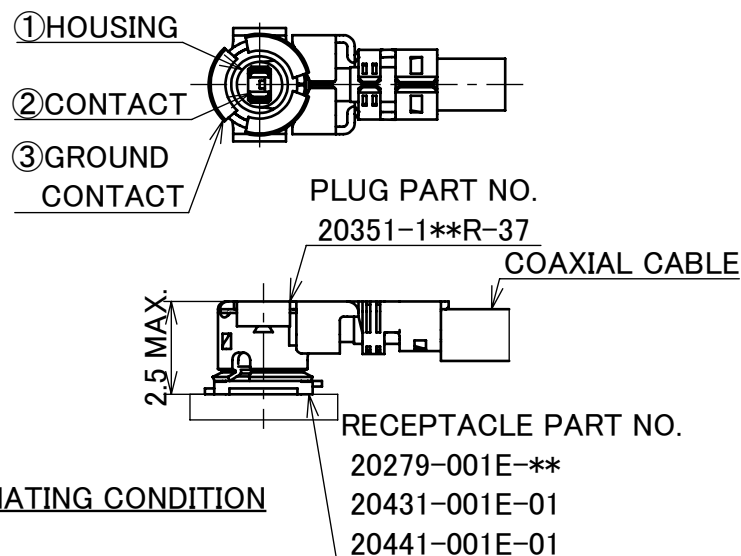
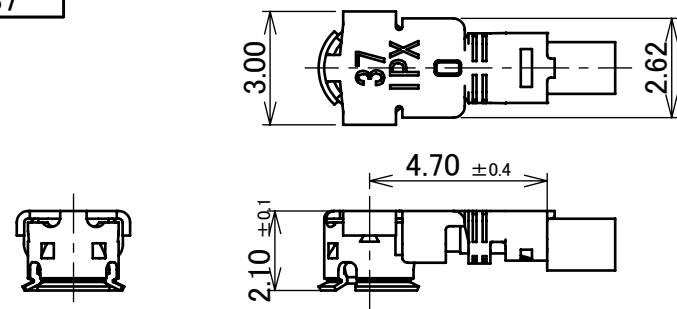
PART No.  
20351-1\*\*R-37



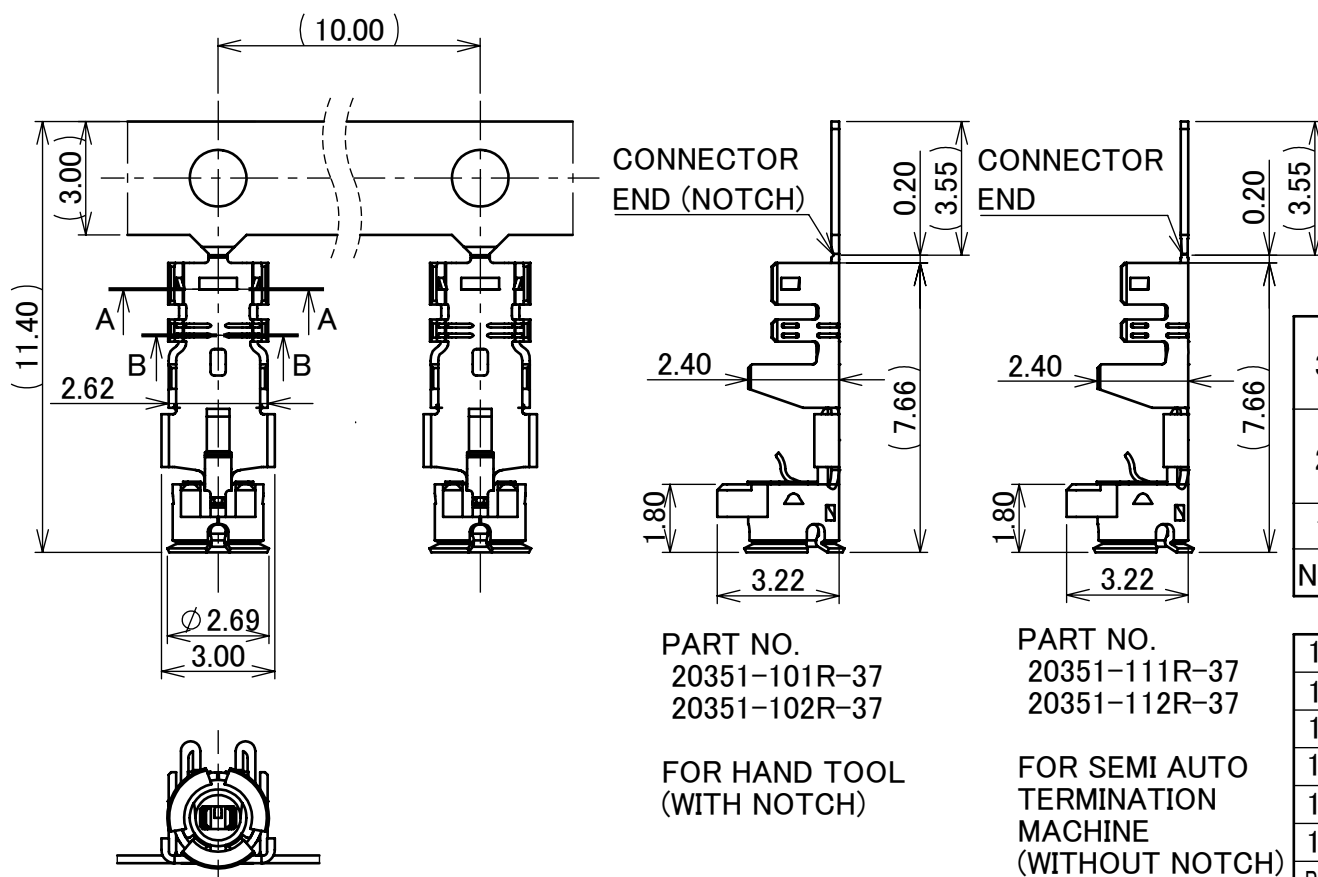
Halogen Free



RoHS Compliant



MATING CONDITION

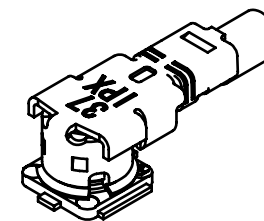


PART NO.  
20351-101R-37  
20351-102R-37

FOR HAND TOOL  
(WITH NOTCH)

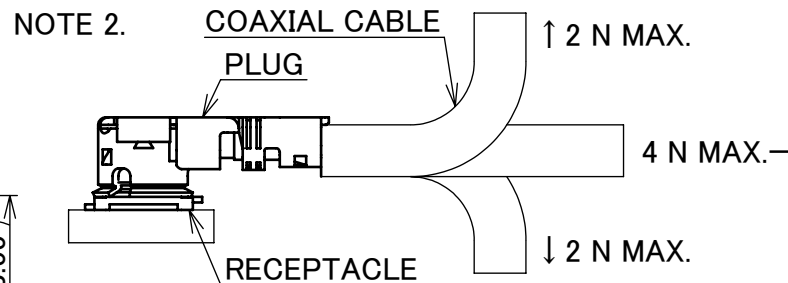
PART NO.  
20351-111R-37  
20351-112R-37

FOR SEMI AUTO  
TERMINATION  
MACHINE  
(WITHOUT NOTCH)



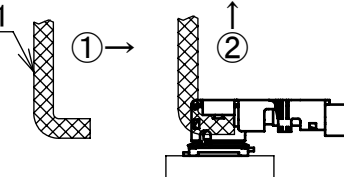
NOTES

1. APPLICABLE CONNECTOR:  
20279-001E-\*\*, 20431-001E-01, 20441-001E-01
2. PERMISSIBLE LOAD OF CABLE AT MATING
3. SUGGESTIONS FOR MATING & UNMATING OPERATION
- 3-1. MATING  
PLEASE MATE THE CONNECTOR STRAIGHTLY TO VERTICAL DIRECTION AS MUCH AS POSSIBLE, ADJUSTING THE MATING AXIS OF PLUG AND RECEPTACLE. AS EXCESSIVE SLANT ANGLE MATING MAY BREAK THE CONNECTOR, PLEASE DON'T DO IT.
- 3-2. UNMATING
- 3-2-1. IN CASE OF UNMATING BY PULLING TOOL  
PLEASE USE THE PULLING TOOL AS THE FOLLOWING DRAWING, AND PLEASE PULL PLUG TO VERTICAL DIRECTION AS DIRECTLY AS POSSIBLE.
- 3-2-2. IN CASE OF UNMATING DIRECTLY BY HAND  
PLEASE CATCH THE CATCHING AREA OF PLUG, AND PLEASE PULL PLUG TO VERTICAL DIRECTION AS DIRECTLY AS POSSIBLE.
- 3-3. CRIMP OVER STANDARDS OF OUTER CONDUCTOR  
STANDARDS: LESS THAN 10% FROM TOTAL NUMBERS OF OUTER CONDUCTOR.  
(NUMBERS OF OUTER CONDUCTOR'S CRIMP OVER FROM OUTER CONDUCTOR'S BARREL)
- 3-4. CAUTION ABOUT HEAT SHRINKAGE TUBES  
PLEASE BE CAREFUL NOT TO MELT HOUSING WHEN USING HEAT SHRINKAGE TUBES. IT WILL BECOME CAUSE OPEN CIRCUIT.
4. TIP OF CONTACT SHOULD BE RECESSED OF HOUSING AFTER CRIMPED ABOUT MATING AREA.
5. THIS IS "Pb-FREE" CONNECTOR.

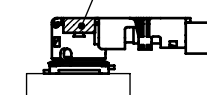


NOTE 3-2-1.

PULLING TOOL  
PART NO. 90192-001



NOTE 3-2-2. CATCHING AREA

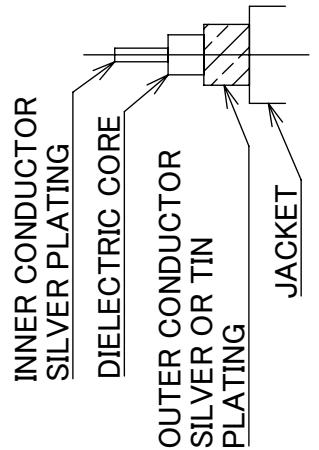
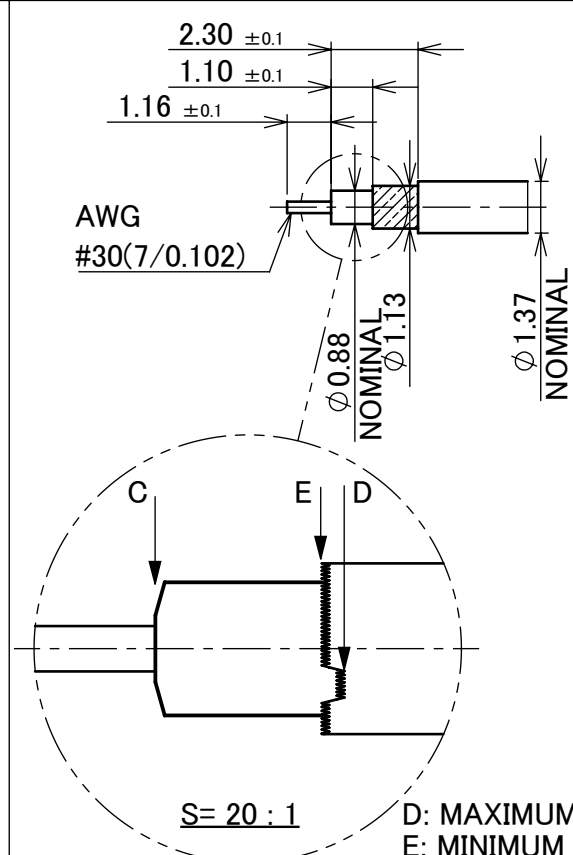
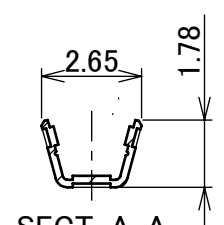
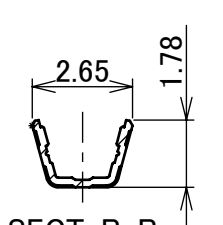


| 3   | GROUND CONTACT | PHOSPHOR BRONZE | ALL OVER Ni 1.00 $\mu$ m MIN.<br>CONTACT PART Au 0.05 $\mu$ m MIN. |
|-----|----------------|-----------------|--------------------------------------------------------------------|
| 2   | CONTACT        | PHOSPHOR BRONZE | ALL OVER Ni 1.00 $\mu$ m MIN.<br>CONTACT PART Au 0.10 $\mu$ m MIN. |
| 1   | HOUSING        | PBT             | UL94V-0, WHITE                                                     |
| NO. | DESCRIPTION    | MATERIAL        | FINISH , REMARKS                                                   |

|                 |         |      |            |      |                    |            |                  |      |                                                                                       |                                |               |    |       |            |      |    |
|-----------------|---------|------|------------|------|--------------------|------------|------------------|------|---------------------------------------------------------------------------------------|--------------------------------|---------------|----|-------|------------|------|----|
| 19              | Z231008 | TOI  | 2023/08/29 | Y.H  | ANGLE              | ±2°        | 6 OVER 30 MAX.   | ±0.3 |  | SERIES No.<br>R8               | CUSTOMER COPY |    |       |            |      |    |
| 18              | Z210168 | S.T  | 2021/02/19 | M.T  | 6 MAX.             | ±0.2       | 30 OVER 120 MAX. | ±0.5 |                                                                                       |                                |               |    |       |            |      |    |
| 17              | Z200262 | TOI  | 2020/03/05 | Y.H  | GENERAL TOLERANCE. |            |                  |      | TITLE<br>MHF® I<br>PLUG (1.37)                                                        | SCALE<br>5:1<br><br>UNIT<br>mm | I-PEX         |    |       |            |      |    |
| 16              | Z191013 | Haji | 2019/08/01 | Y.S  | DWG.               | T.Hirakawa |                  | DATE |                                                                                       |                                |               |    |       | 2003/09/11 |      |    |
| 15              | Z181501 | M.N  | 2018/11/15 | Ken  | CHK.               | T.Harada   |                  |      |                                                                                       |                                |               |    |       |            |      |    |
| 14              | Z171151 | M.A  | 2017/10/05 | T.M  |                    |            |                  |      |                                                                                       |                                |               |    |       |            |      |    |
| REV.            | ECN     | BY   | DATE       | APP. |                    |            |                  |      |                                                                                       |                                |               |    |       |            |      |    |
| REVISION RECORD |         |      |            |      | K.Katabuchi        |            |                  |      | DWG. No.                                                                              | 20351                          | SIZE          | A3 | SHEET | 1/5        | REV. | 19 |

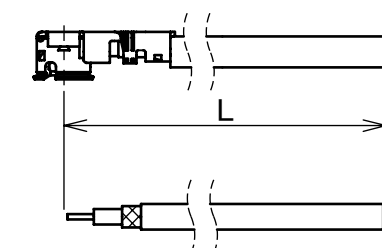
| ITEMS                                        | SPECIFICATION                                                   |
|----------------------------------------------|-----------------------------------------------------------------|
| RECOMMENDED APPLICABLE CONNECTOR<br>PART No. | 20279-001E-**                                                   |
| RATING VOLTAGE                               | 60 V AC (R.M.S)                                                 |
| RATING FREQUENCY                             | DC~9GHz                                                         |
| OPERATING TEMPERATURE                        | 233~363 K (-40℃~+90℃)                                           |
| VSWR                                         | 1.3 MAX. AT 0.1~3 GHz, 1.5 MAX. AT 3~6 GHz, 1.9 MAX. AT 6~9 GHz |
| MAIN CONTACT RESISTANCE                      | INITIAL: 20 mohm MAX. / AFTER TEST: 25 mohm MAX.                |
| GROUND CONTACT RESISTANCE                    | INITIAL: 10 mohm MAX. / AFTER TEST: 15 mohm MAX.                |
| INSULATION RESISTANCE                        | INITIAL: 500 Mohm MIN. / AFTER TEST: 100 Mohm MIN.              |
| DIELECTRIC WITHSTANDING VOLTAGE              | 200 V AC, 1 MINUTE                                              |
| DURABILITY                                   | 30 CYCLES                                                       |
| UNMATING FORCE (INITIAL / AFTER TEST)        | 5 N MIN. / 3 N MIN.                                             |
| CRIMP STRENGTH                               | 15 N MIN.                                                       |
| PRODUCT SPECIFICATION                        | PRS-1726                                                        |
| TEST REPORT                                  | TR-12096                                                        |
| PACKING STANDARD                             | 300-233                                                         |
| INSTRUCTION MANUAL                           | HIM-10002                                                       |
| APPEARANCE CRITERIA No.                      | QLS-A***                                                        |

|                    |      |                  |      |                                                                                                             |                                     |               |                  |      |      |  |  |
|--------------------|------|------------------|------|-------------------------------------------------------------------------------------------------------------|-------------------------------------|---------------|------------------|------|------|--|--|
| ANGLE              | ±2°  | 6 OVER 30 MAX.   | ±0.3 | <div>PROJECTION</div>  | <div>SERIES No.</div> <div>R8</div> | CUSTOMER COPY |                  |      |      |  |  |
| 6 MAX.             | ±0.2 | 30 OVER 120 MAX. | ±0.5 |                                                                                                             |                                     |               |                  |      |      |  |  |
| GENERAL TOLERANCE. |      |                  |      | <div>TITLE</div> <div>MHF® I<br/>PLUG (1.37)</div>                                                          |                                     | SCALE         | <div>I-PEX</div> |      |      |  |  |
| DWG.               | DATE |                  |      |                                                                                                             |                                     |               |                  |      | —    |  |  |
| CHK.               |      |                  |      |                                                                                                             |                                     |               |                  |      | UNIT |  |  |
| APP.               |      |                  |      |                                                                                                             |                                     |               |                  |      | mm   |  |  |
|                    |      |                  |      | <div>DWG. No.</div> <div>20351</div>                                                                        |                                     | SIZE          | SHEET            | REV. |      |  |  |
|                    |      |                  |      |                                                                                                             |                                     |               | A3               | 2/5  | 19   |  |  |

|                                                                                                                                            |      |                                                                                                                       |               |
|--------------------------------------------------------------------------------------------------------------------------------------------|------|-----------------------------------------------------------------------------------------------------------------------|---------------|
| PART NO. OF NON HALOGEN FREE TYPE                                                                                                          |      | 20351-101R-37                                                                                                         | 20351-111R-37 |
| PART NO. OF HALOGEN FREE TYPE                                                                                                              |      | 20351-102R-37                                                                                                         | 20351-112R-37 |
| <div>APPLICABLE CABLE NOMINAL DIMENSION</div> <div></div> |      | <div></div> <div>SEE NOTE 6.</div> |               |
| BRAIDED SHIELD OF OUTER CONDUCTOR                                                                                                          |      | SINGLE                                                                                                                |               |
| PART NO. OF SEMI AUTO TERMINATION MACHINE                                                                                                  |      | 90232-037                                                                                                             |               |
| <div></div> <div>SECT. A-A</div>                        |      | <div></div> <div>SECT. B-B</div>  |               |
| CRIMP HEIGHT                                                                                                                               | CH-1 | 1.34~1.40                                                                                                             |               |
|                                                                                                                                            | CH-2 | 1.36~1.42                                                                                                             |               |
|                                                                                                                                            | CH-3 | 1.28~1.34                                                                                                             |               |

NOTE 6. DO NOT USE SOLDER COATED EITHER INNER OR OUTER CONDUCTOR CABLE.

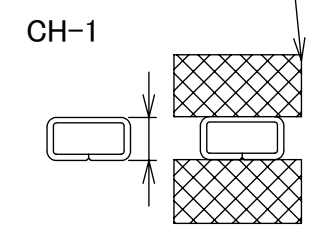
CABLE CUT LENGTH



CRIMP HEIGHT

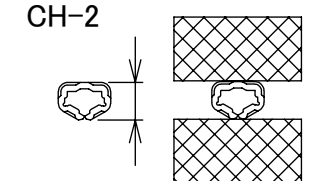
BLADE MICROMETER

CH-1



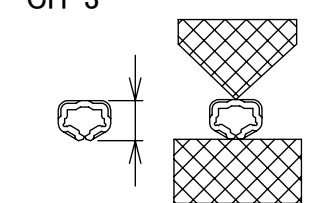
i-Fit® PART

CH-2

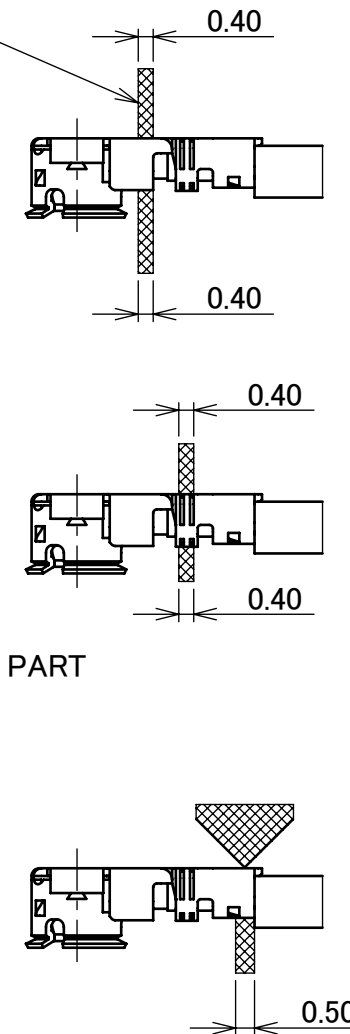


OUTER CONDUCTOR PART

CH-3

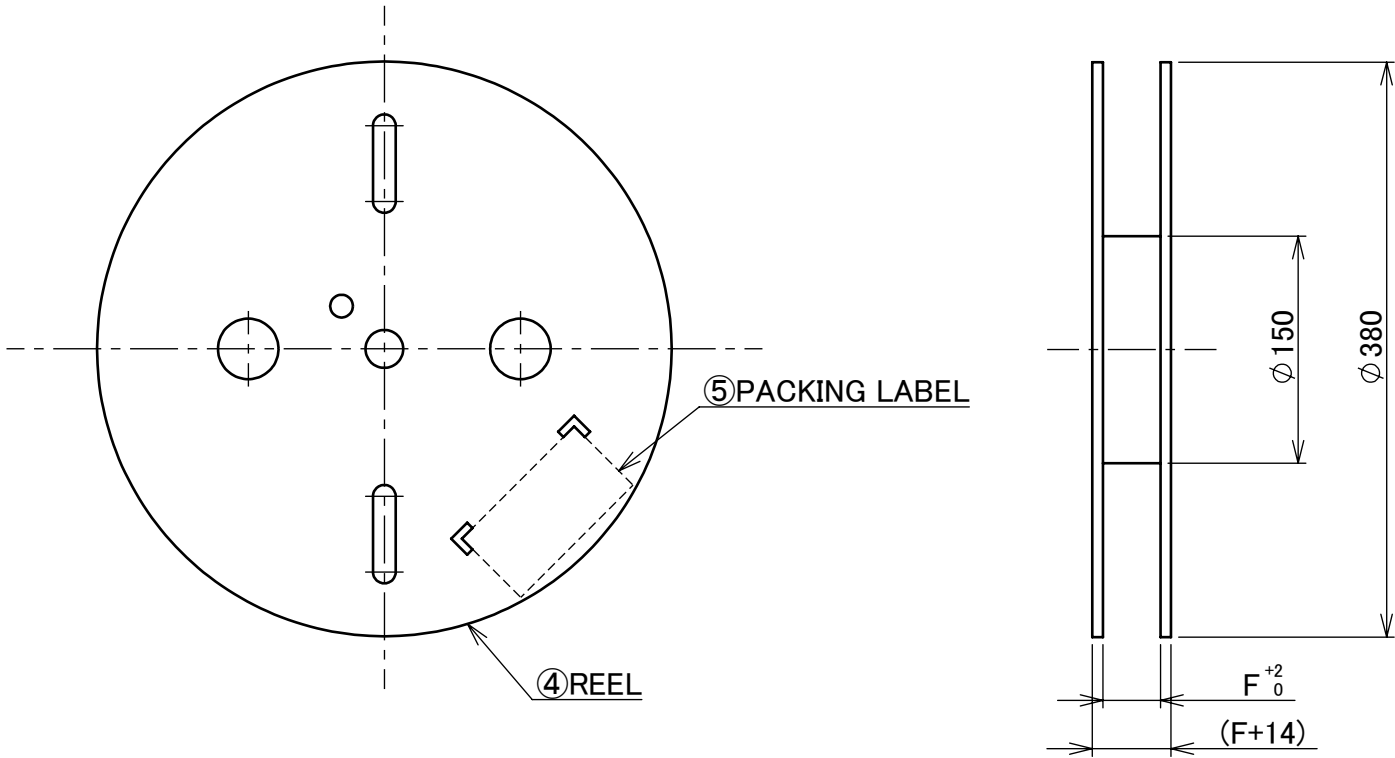


JACKET PART



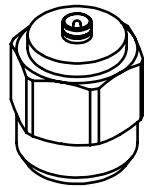
|                    |      |                  |      |                                                                                                     |                  |               |       |      |  |  |  |
|--------------------|------|------------------|------|-----------------------------------------------------------------------------------------------------|------------------|---------------|-------|------|--|--|--|
| ANGLE              | ±2°  | 6 OVER 30 MAX.   | ±0.3 | PROJECTION<br> | SERIES No.<br>R8 | CUSTOMER COPY |       |      |  |  |  |
| 6 MAX.             | ±0.2 | 30 OVER 120 MAX. | ±0.5 |                                                                                                     |                  |               |       |      |  |  |  |
| GENERAL TOLERANCE. |      |                  |      | TITLE<br>MHF® I<br>PLUG (1.37)                                                                      |                  | SCALE         | I-PEX |      |  |  |  |
| DWG.               | DATE |                  |      |                                                                                                     |                  | —             |       |      |  |  |  |
| CHK.               |      |                  |      |                                                                                                     |                  | UNIT          |       |      |  |  |  |
| APP.               |      |                  |      |                                                                                                     |                  | mm            |       |      |  |  |  |
|                    |      |                  |      | DWG. No.                                                                                            |                  | SIZE          | SHEET | REV. |  |  |  |
|                    |      |                  |      | 20351                                                                                               |                  | A3            | 3/5   | 19   |  |  |  |

| PART NO.      | F    | QTY. PER EMBOSS REEL<br>(PIECES / REEL) | QTY. PER PACKING CARTON<br>(REELS / CARTON) |
|---------------|------|-----------------------------------------|---------------------------------------------|
| 20351-1**R-37 | 16.0 | 2,500 / REEL                            | 5 REELS / CARTON = 12,500 PIECES            |

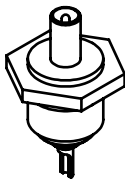


| 5   | PACKING LABEL | -        | -                |
|-----|---------------|----------|------------------|
| 4   | REEL          | CB       | -                |
| NO. | DISCRIPTION   | MATERIAL | FINISH , REMARKS |

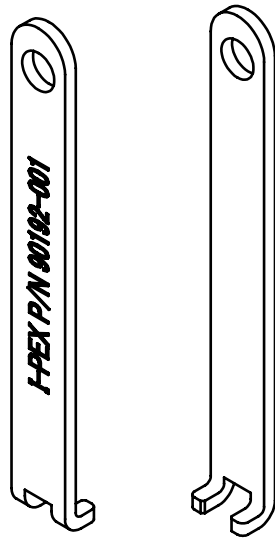
|                    |      |                  |      |                                                                                                                        |                  |               |                  |      |
|--------------------|------|------------------|------|------------------------------------------------------------------------------------------------------------------------|------------------|---------------|------------------|------|
| ANGLE              | ±2°  | 6 OVER 30 MAX.   | ±0.3 | <div>PROJECTION</div> <div></div> | SERIES No.<br>R8 | CUSTOMER COPY |                  |      |
| 6 MAX.             | ±0.2 | 30 OVER 120 MAX. | ±0.5 |                                                                                                                        |                  |               |                  |      |
| GENERAL TOLERANCE. |      |                  |      | <div>TITLE</div> <div>MHF® I<br/>PLUG (1.37)</div>                                                                     |                  | SCALE         | <div>I-PEX</div> |      |
| DWG.               | DATE |                  |      |                                                                                                                        |                  | UNIT          |                  |      |
| CHK.               |      |                  |      |                                                                                                                        |                  | mm            |                  |      |
| APP.               |      |                  |      |                                                                                                                        |                  |               |                  |      |
|                    |      |                  |      | DWG. No.                                                                                                               | 20351            | SIZE          | SHEET            | REV. |
|                    |      |                  |      |                                                                                                                        |                  | A3            | 4/5              | 19   |



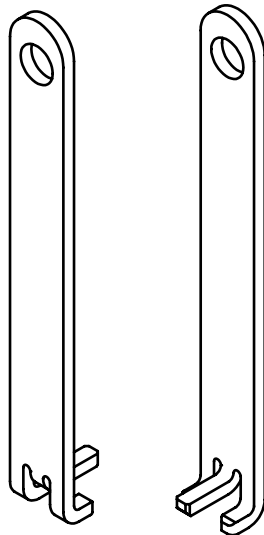
MHF I/II SMA ADAPTOR  
PART NO. 90193-001



MHF I/II PLUG INSPECTION CONNECTOR  
PART NO. 90194-001



FRONT SIDE    BACK SIDE  
MHF I/II PULLING TOOL  
PART NO. 90192-001



FRONT SIDE    BACK SIDE  
MHF I PUSHING AND PULLING TOOL  
PART NO. 90224-001

|                    |      |                  |      |                                |                  |               |       |      |
|--------------------|------|------------------|------|--------------------------------|------------------|---------------|-------|------|
| ANGLE              | ±2°  | 6 OVER 30 MAX.   | ±0.3 | PROJECTION<br>                 | SERIES No.<br>R8 | CUSTOMER COPY |       |      |
| 6 MAX.             | ±0.2 | 30 OVER 120 MAX. | ±0.5 |                                |                  |               |       |      |
| GENERAL TOLERANCE. |      |                  |      | TITLE<br>MHF® I<br>PLUG (1.37) |                  | SCALE         | I-PEX |      |
| DWG.               | DATE |                  |      |                                |                  | 2:1           |       |      |
| CHK.               |      |                  |      |                                |                  | UNIT          |       |      |
| APP.               |      |                  |      |                                |                  | mm            |       |      |
|                    |      |                  |      | DWG. No.<br>20351              |                  | SIZE          | SHEET | REV. |
|                    |      |                  |      |                                |                  | A3            | 5/5   | 19   |