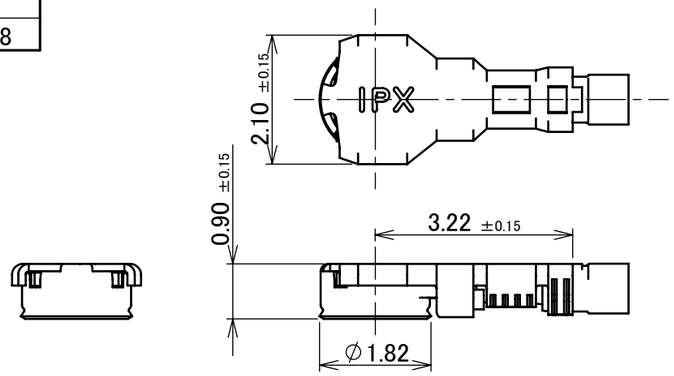
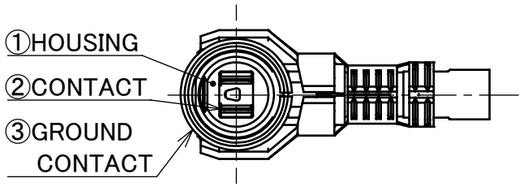
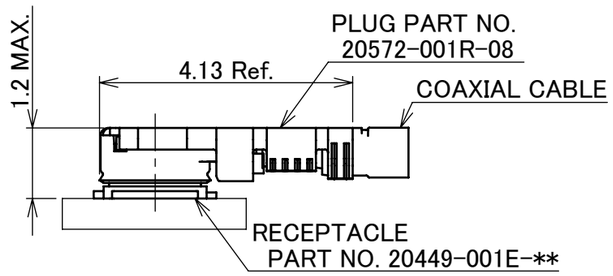
| Recommended P/N | 20572-001R-08 |
|---|---|

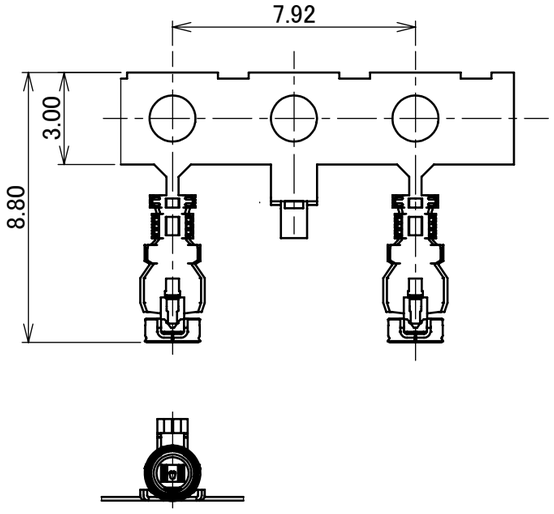
| PART NO. |
|---|
| 20572-001R-08 |

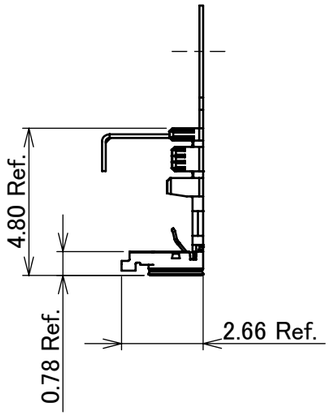


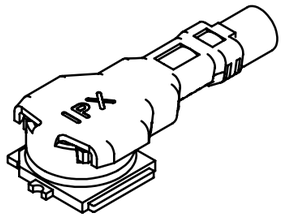




MATING CONDITION

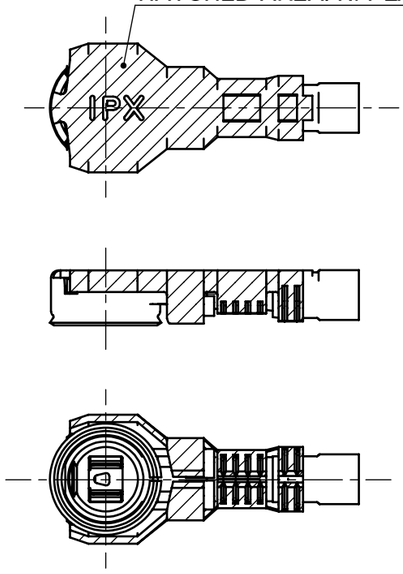



CARRIER CONDITION
S = 5:1




HATCHED AREA: Ni PLATING AREA

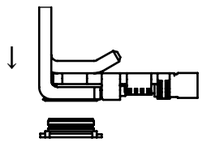



Halogen Free

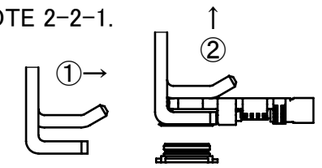
RoHS Compliant

NOTES.
1. APPLICABLE CONNECTOR
   20449-001E-**
   20579-001E-**
2. MATING AND UNMATING INSTRUCTION
2-1. MATING
   MATE THE CONNECTOR VERTICALY AS MUCH AS POSSIBLE, ADJUSTING THE MATING AXIS OF PLUG AND RECEPTACLE. DO NOT SLANT MATE.
2-2. UNMATING INSTRUCTION
2-2-1. IN CASE OF UNMATING BY PULLING TOOL (PART NO. 90609-0001)
   USE THE PULLING TOOL AS THE FOLLOWING DRAWING, AND PULL PLUG TO VERTICAL DIRECTION AS DIRECTLY AS POSSIBLE.
2-2-2. IN CASE OF UNMATING DIRECTLY BY HAND
   CATCH THE CATCHING AREA OF PLUG, AND PULL PLUG TO VERTICAL DIRECTION AS DIRECTLY AS POSSIBLE.

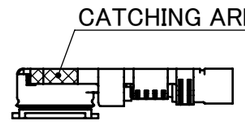
NOTE 2-1.




NOTE 2-2-1.




NOTE 2-2-2.




| NO. | DESCRIPTION | MATERIAL | FINISH , REMARKS |
|---|---|---|---|
| 3 | GROUND CONTACT | PHOSPHOR BRONZE | ALL OVER Ni 1.00μm MIN.<br>CONTACT PART Au 0.05μm MIN.<br>[Ni PLATING AREA] Ni ONLY |
| 2 | CONTACT | PHOSPHOR BRONZE | ALL OVER Ni 1.00μm MIN.<br>CONTACT PART Au 0.10μm MIN. |
| 1 | HOUSING | PBT | UL94V-0, BLACK |

| REV. | ECN | BY | DATE | APP. |
|---|---|---|---|---|
| 7 | Z220592 | K.W | 2022/05/30 | Y.H |
| 6 | Z201194 | TOI | 2020/11/18 | M.T |
| 5 | Z200934 | TOI | 2020/09/08 | M.T |
| 4 | Z191019 | Haji | 2019/08/01 | Y.S |
| 3 | Z180749 | M.N | 2018/11/08 | Ken |
| 2 | Z150075 | S.S | 2015/01/23 | Tom |

REVISION RECORD

| | | | | | |
|---|---|---|---|---|---|
| ANGLE | ±2° | 6 OVER 30 MAX. | ±0.3 | PROJECTION | SERIES No. R3 |
| 6 MAX. | ±0.2 | 30 OVER 120 MAX. | ±0.5 | | |

GENERAL TOLERANCE.

| | | | |
|---|---|---|---|
| DWG. | S.Suzuki | DATE | 2013/10/03 |
| CHK. | K.Yotsutani | DATE | 2013/10/03 |
| APP. | T.Takano | DATE | 2013/10/03 |

CUSTOMER COPY

TITLE
MHF® 4L
PLUG Ni TOP
(0.81, 0.64)

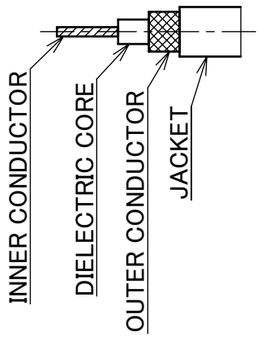
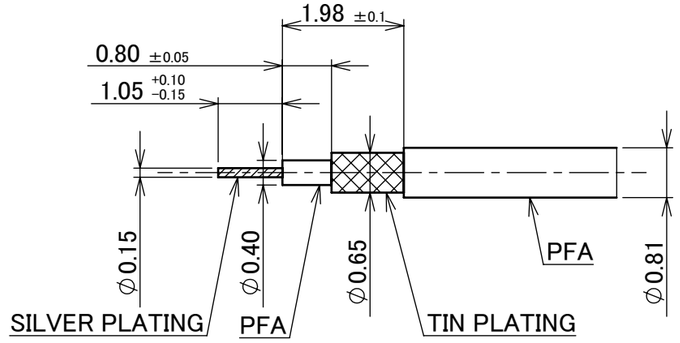
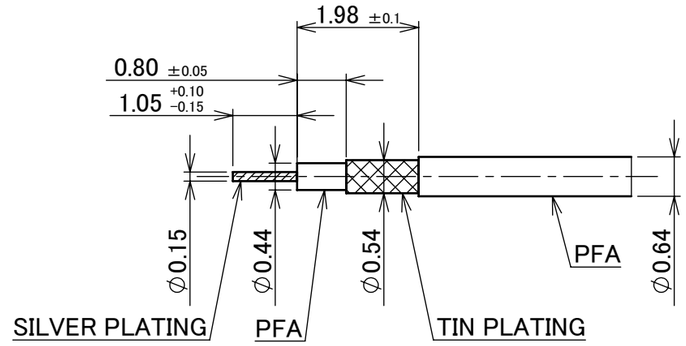
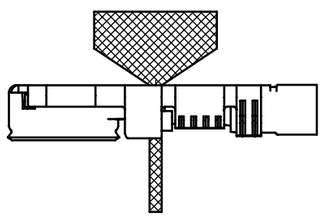
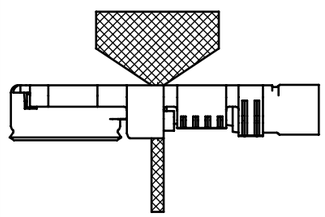
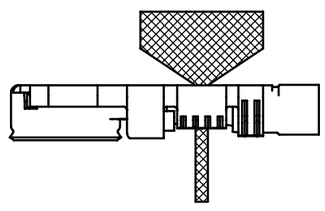
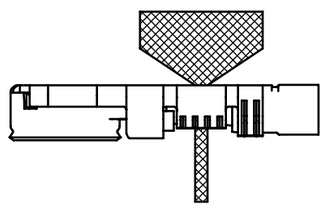
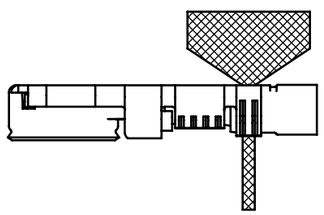
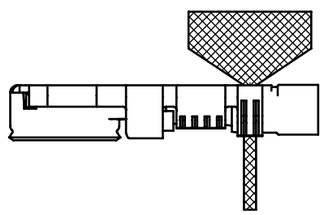
| SCALE | UNIT | DWG. No. | SIZE | SHEET | REV. |
|---|---|---|---|---|---|
| 10:1 | mm | 20572 | A3 | 1/5 | 7 |

I-PEX

Confidential C

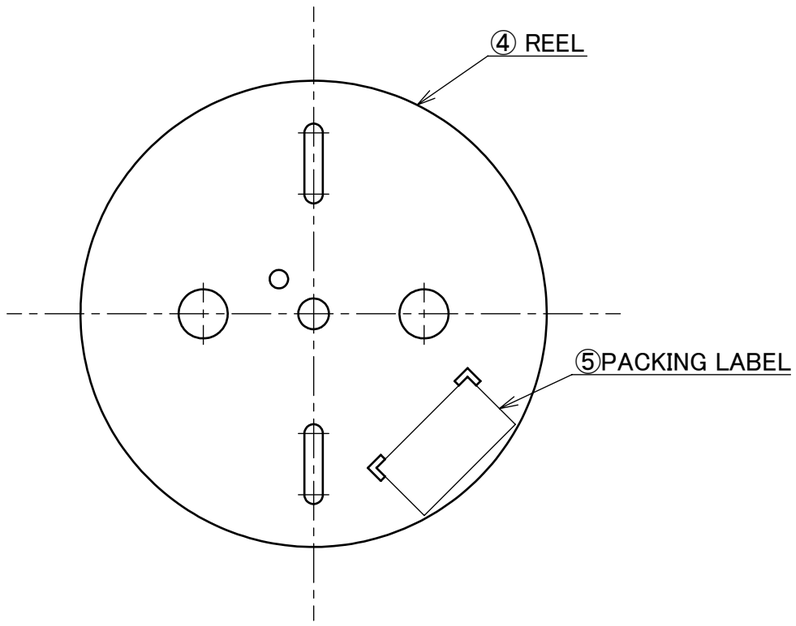
| ITEMS | SPECIFICATION | |
|---|---|---|
| APLICABLE CABLE | AWG#36 (0.81 O.D.) | AWG#36 (0.64 O.D.) |
| RECOMMENDED CONNECTOR PART No. | 20449-001E-** | |
| RATING VOLTAGE | 60 V AC (R.M.S) | |
| RATING FREQUENCY | DC～12 GHz | |
| OPERATING TEMPERATURE | 233～363K (-40℃～+90℃) | |
| VSWR (MATED WITH SMA ADAPTER PART No. 90449-001) | 1.30 MAX. AT 0.1～3 GHz, 1.45 MAX. AT 3～6 GHz, 1.60 MAX. AT 6～9 GHz, 1.90 MAX. AT 9～12 GHz | |
| MAIN CONTACT RESISTANCE | INITIAL: 20 mohm MAX. / AFTER TEST: ⊿R 20 mohm MAX. | |
| GROUND CONTACT RESISTANCE | INITIAL: 20 mohm MAX. / AFTER TEST: ⊿R 20 mohm MAX. | |
| INSULATION RESISTANCE | INITIAL: 500 Mohm MIN. / AFTER TEST: 100 Mohm MIN. | |
| DIELECTRIC WITHSTANDING VOLTAGE | 200 V AC, 1 MINUTE | |
| DURABILITY | 30 CYCLES | |
| MATING FORCE (INITIAL / AFTER TEST) | INITIAL: 30 N MAX. / AFTER TEST: 30 N MAX. | |
| UNMATING FORCE (INITIAL / AFTER TEST) | INITIAL: 20 N MAX. 5 N MIN. / AFTER TEST: 20 N MAX. 3 N MIN. | |
| CRIMP STRENGTH | – | 8 N MIN. |
| PRODUCT SPECIFICATION | PRS-1772 | PRS-1944 |
| TEST REPORT | TR-13011 | TR-14078 |
| PACKING STANDARD | PST-12066 | |
| INSTRUCTION MANUAL | HIM-12011 | |
| APPEARANCE CRITERIA No. | QLS-A*** | |

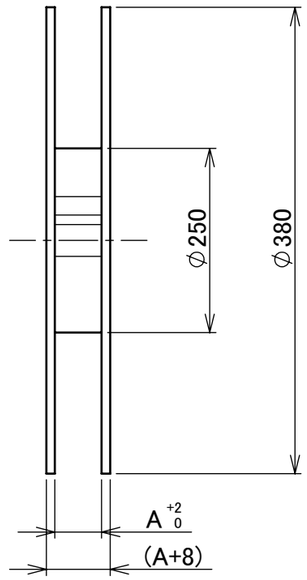
| | | | | | | | |
|---|---|---|---|---|---|---|---|
| ANGLE | ±2° | 6 OVER 30 MAX. | ±0.3 | PROJECTION | SERIES No. | CUSTOMER COPY | |
| 6 MAX. | ±0.2 | 30 OVER 120 MAX. | ±0.5 | | R3 | | |
| GENERAL TOLERANCE. | | | | TITLE | | SCALE | |
| DWG. | | DATE | | MHF® 4L<br>PLUG Ni TOP<br>(0.81, 0.64) | | – | I-PEX |
| CHK. | | | | | | UNIT<br>mm | |
| APP. | | | | DWG. No. | | SIZE | SHEET / REV. |
| | | | | 20572 | | A3 | 2/5 / 7 |

| PART NO. | 20572-001R-08 | |
|---|---|---|
| APPLICABLE CABLE STRIP DIMENSION   |   ※DO NOT USE SOLDER COATED EITHER INNER OR OUTER CONDUCTOR CABLES. |   ※DO NOT USE SOLDER COATED EITHER INNER OR OUTER CONDUCTOR CABLES. |
| | NOTES<br>3.REQUIREMENTS<br>CHARACTERISTIC IMPEDANCE: 50(±3)ohm BY TDR METHOD<br>NOMINAL CAPACITANCE (REFERENCE VALUE): 96pF/m<br>CONDUCTOR RESISTANCE OF INNER CONDUCTOR AT 293 (REFERENCE): OD 0.81 TYPE/OD 0.64 TYPE・・・1400ohm/km<br>INSULATION RESISTANCE: OD 0.81 TYPE/OD 0.64 TYPE・・・ 1000Mega-ohm.km MIN.<br>DIELECTRIC WITH STANCE VOLTAGE: OD 0.81 TYPE・・・NO BREAKDOWN AT AC 1500V FOR 1 MINUTES.<br>OD 0.64 TYPE・・・NO BREAKDOWN AT AC 500V FOR 1 MINUTES. | |
| BRAIDED SHIELD OF OUTER CONCUCTOR | SINGLE BRAIDED SHIELD | SINGLE SPIRAL SHIELD |
| PART NO. OF SEMI AUTO TERMINATION MACHINE | 90599-008 | 90599-006 |
| CRIMP HEIGHT |  |  |
| | CH-1 (i-Fit® PART) 0.83～0.87 | CH-1 (i-Fit® PART) 0.81～0.85 |
| |  |  |
| | CH-2 (SHIELD PART) 0.76～0.80 | CH-2 (SHIELD PART) 0.73～0.77 |
| |  |  |
| | CH-3 (JACKET PART) 0.92～0.96 | CH-3 (JACKET PART) 0.71～0.75 |
| | ※USE FOR POINT MICROMETER. | ※USE FOR POINT MICROMETER. |

| | | | | | |
|---|---|---|---|---|---|
| ANGLE ±2° | 6 OVER 30 MAX. ±0.3 | PROJECTION | SERIES No. | CUSTOMER COPY | |
| 6 MAX. ±0.2 | 30 OVER 120 MAX. ±0.5 | | R3 | | |
| GENERAL TOLERANCE. | | TITLE | | SCALE | |
| DWG. | DATE | MHF® 4L<br>PLUG Ni TOP<br>(0.81, 0.64) | | – | I-PEX |
| CHK. | | | | UNIT mm | |
| APP. | | DWG. No. 20572 | | SIZE A3 | SHEET 3/5 REV. 7 |

| PART NO. | A | QTY. PER EMBOSS REEL (PIECES / REEL) | QTY. PER PACKING CARTON (REELS / CARTON) |
|---|---|---|---|
| 20572-001R-08 | 15 | 3,000 / REEL | 7 REELS / CARTON = 21,000 PIECES |




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

| | | | | | |
|---|---|---|---|---|---|
| ANGLE | ±2° | 6 OVER 30 MAX. | ±0.3 | PROJECTION | SERIES No. R3 |
| 6 MAX. | ±0.2 | 30 OVER 120 MAX. | ±0.5 | | CUSTOMER COPY |

GENERAL TOLERANCE.

DWG. DATE

CHK.

APP.

TITLE: MHF® 4L PLUG Ni TOP (0.81, 0.64)

DWG. No. 20572

SCALE –

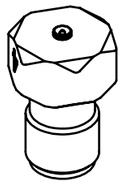
UNIT mm

SIZE A3

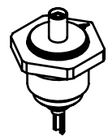
SHEET 4/5

REV. 7

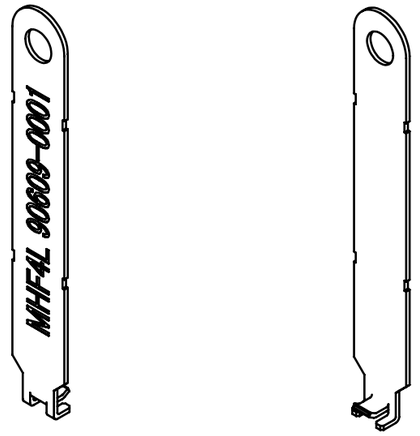
I-PEX



MHF 4 (4L) SMA ADAPTOR
PART NO. 90449-001



MHF 4 (4L) INSPECTION CONNECTOR
PART NO. 90449-003-01




FRONT SIDE BACK SIDE

MHF 4L PUSHING AND PULLING TOOL
PART NO. 90609-0001

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| ANGLE | ±2° | 6 OVER 30 MAX. | ±0.3 | PROJECTION | SERIES No. | CUSTOMER COPY | |
| 6 MAX. | ±0.2 | 30 OVER 120 MAX. | ±0.5 | | R3 | | |
| GENERAL TOLERANCE. | | | | TITLE | | SCALE | |
| DWG. | | DATE | | MHF® 4L<br>PLUG Ni TOP<br>(0.81, 0.64) | | 2:1 | I-PEX |
| CHK. | | | | | | UNIT<br>mm | |
| APP. | | | | DWG. No. | | SIZE | SHEET / REV. |
| | | | | 20572 | | A3 | 5/5 / 7 |