

MHF® I

Supports up to 9 GHz, mated height of 3.0 mm max.

Product Specifications:

| | | | |
|--------------------------|-----------------|------------------------------|------------|
| Mated Height (mm max.) | (1) 2.5 (2) 3.0 | | |
| Rece. SMT Size (mm) | 3.1 x 3.0 | | |
| Applicable Frequency | DC ~ 9 GHz | | |
| Characteristic Impedance | 50 ohm | | |
| VSWR (L=100 mm) | Connector | PLUG | RECEPTACLE |
| | DC~3 GHz | 1.3 max. | 1.3 max. |
| | 3~6 GHz | 1.5 max. | 1.4 max. |
| | 6~9 GHz | (1) 1.9 max. (2) 1.6 max. | 1.8 max. |

* Please inquire for pin counts not listed or outside of the pin count range.
* Cable size O.D. (1) 1.80 mm, 1.32 mm, 1.13 mm, 0.81 mm, 1.37 mm (2) 2.0 mm

Applicable Cable Size:

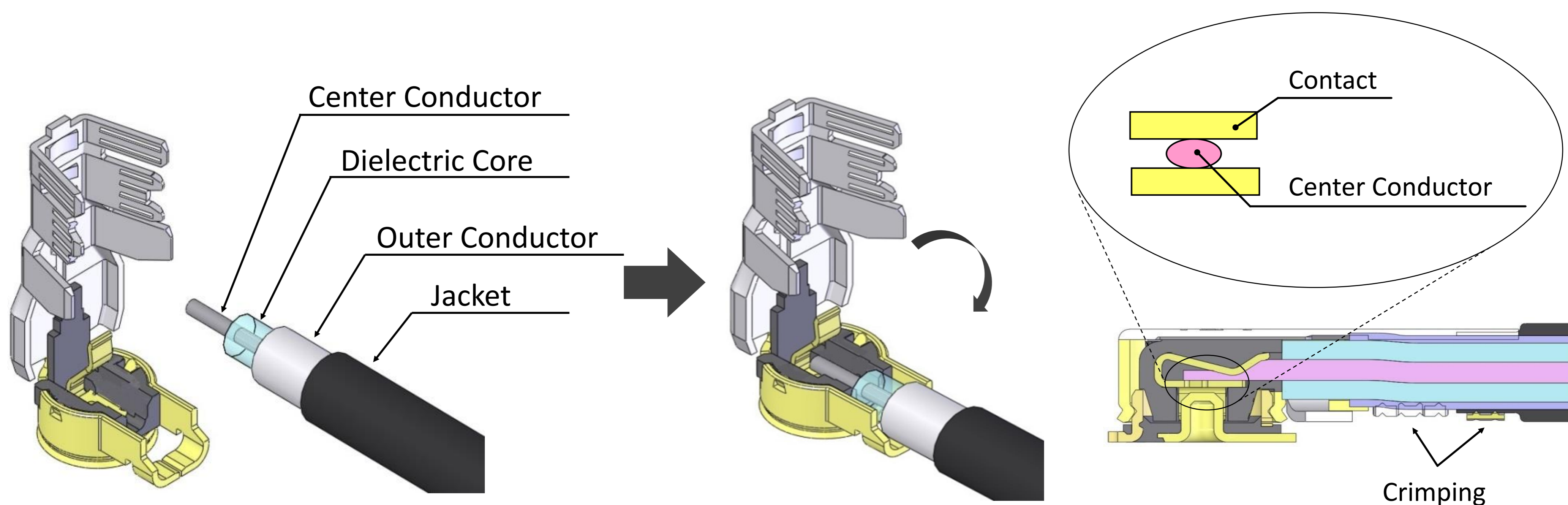
| |
|-------------------------------------|
| 20278-112R-**, 20670-001R-** |
| O.D. 1.80 mm / AWG 30 |
| O.D. 1.32 mm, 1.13 mm / AWG 32 |
| O.D. 0.81 mm / AWG 36 |
| 20351-112R-37 |
| O.D. 1.37 mm / AWG 30 |
| 20767-001R-20 |
| O.D. 2.0 mm / AWG 26 |

Applicable Standards (Reference Only):

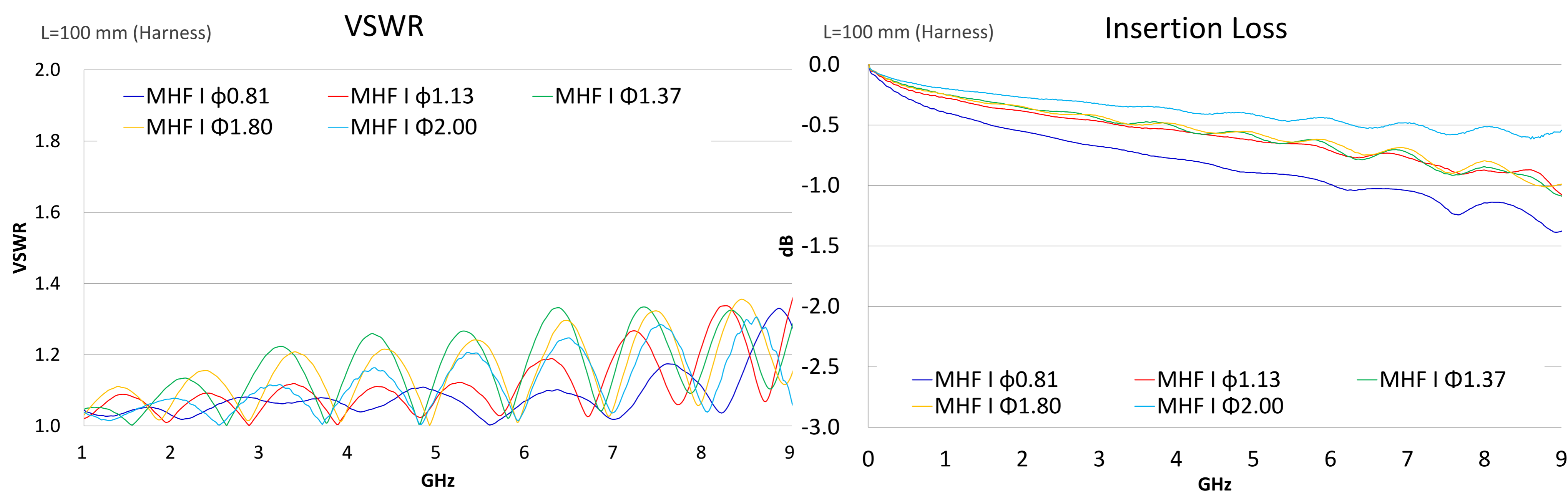
5G sub-6, Wi-Fi 6E, LTE/LTE-Advanced, LPWA, Bluetooth, GPS



► Solderless micro-coax termination technology "i-Fit®" provides consistent performance



► Small form factor with big performance through 9 GHz



► MHF® I Plug available cable O.D. : 2.0 mm, 1.80 mm, 1.37 mm, 1.32 mm, 1.13 mm, 0.81 mm

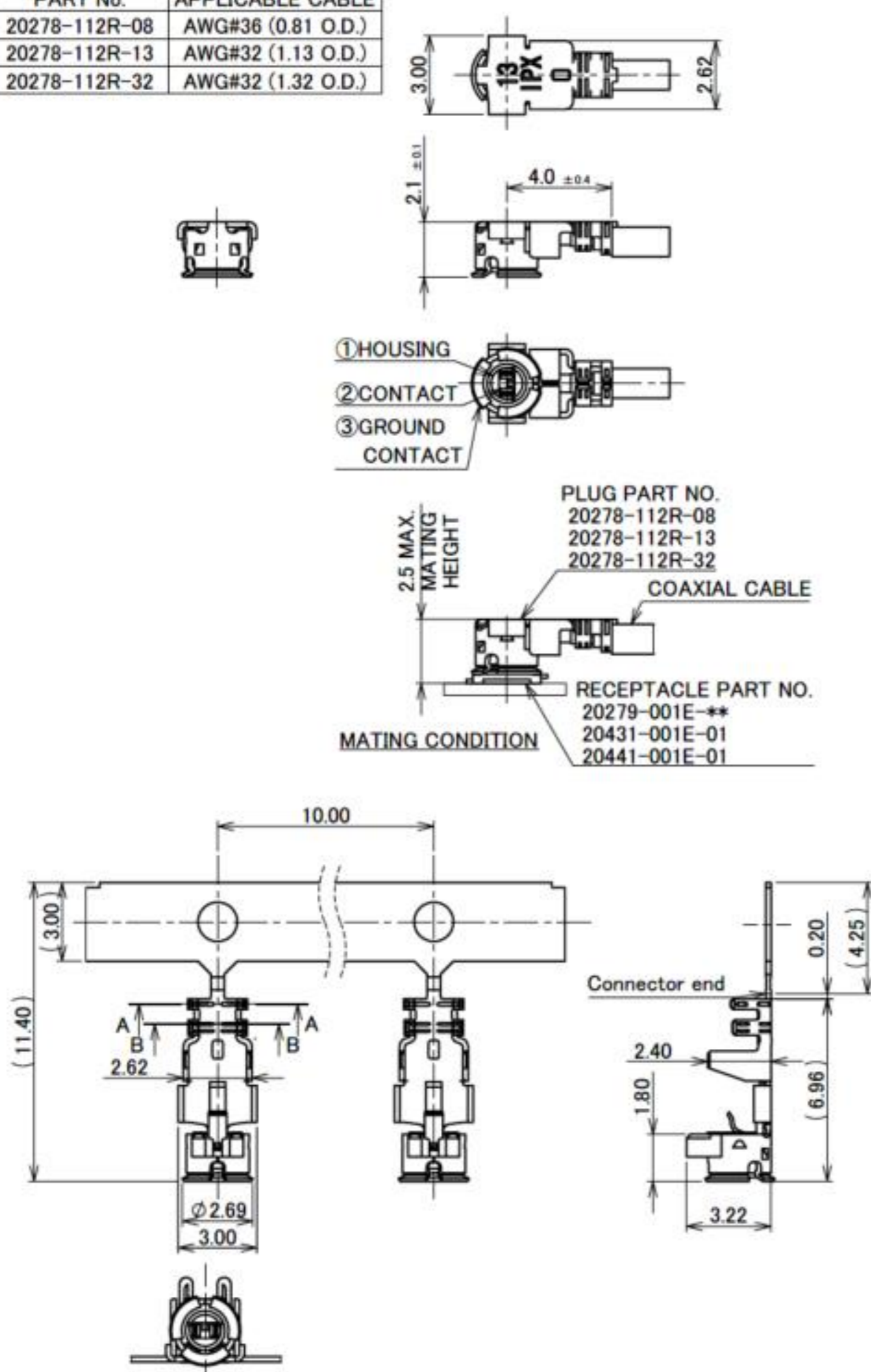
| | | | |
|-------------------------------------|------------------|-------------|-------------------|
| | | | |
| Mating Height | | 3.0 mm max. | 2.5 mm max. |
| Coax O.D. (Center Conductor AWG) | 2.00 mm (AWG#26) | ● | |
| | 1.80 mm (AWG#30) | | ● |
| | 1.37 mm (AWG#30) | | ● |
| | 1.32 mm (AWG#32) | | ● |
| | 1.13 mm (AWG#32) | | ● |
| | 0.81 mm (AWG#36) | | ● |
| Receptacle | | | MHF® I receptacle |

Component Parts Details

MHF® I plug Au (0.81,1.13,1.32,1.80)

Recommended P/N 20278-112R-**-**

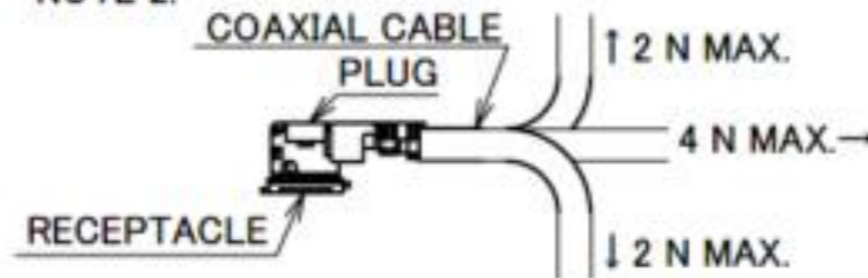
| PART No. | APPLICABLE CABLE |
|---------------|--------------------|
| 20278-112R-08 | AWG#36 (0.81 O.D.) |
| 20278-112R-13 | AWG#32 (1.13 O.D.) |
| 20278-112R-32 | AWG#32 (1.32 O.D.) |



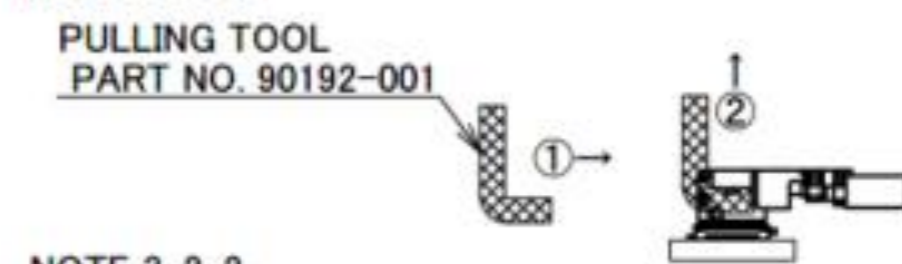
NOTES

- APPLICABLE CONNECTOR:
20279-001E-**, 20431-001E-01, 20441-001E-01
- PERMISSIBLE LOAD OF CABLE AT MATING
- SUGGESTIONS FOR MATING & UNMATING OPERATION.
 - 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.
 - UNMATING
 - 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.
 - 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.
 - 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)
 - CAUTION ABOUT HEAT SHRINKAGE TUBES
PLEASE BE CAREFUL NOT TO MELT HOUSING WHEN USING HEAT SHRINKAGE TUBES. IT WILL BECOME CAUSE OPEN CIRCUIT.
- THIS IS "PB-FREE" CONNECTOR.

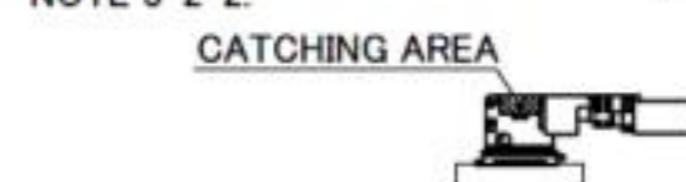
NOTE 2.



NOTE 3-2-1.



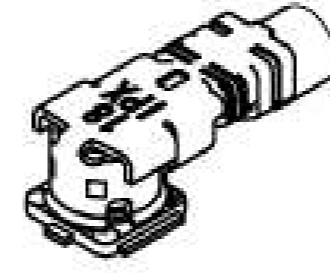
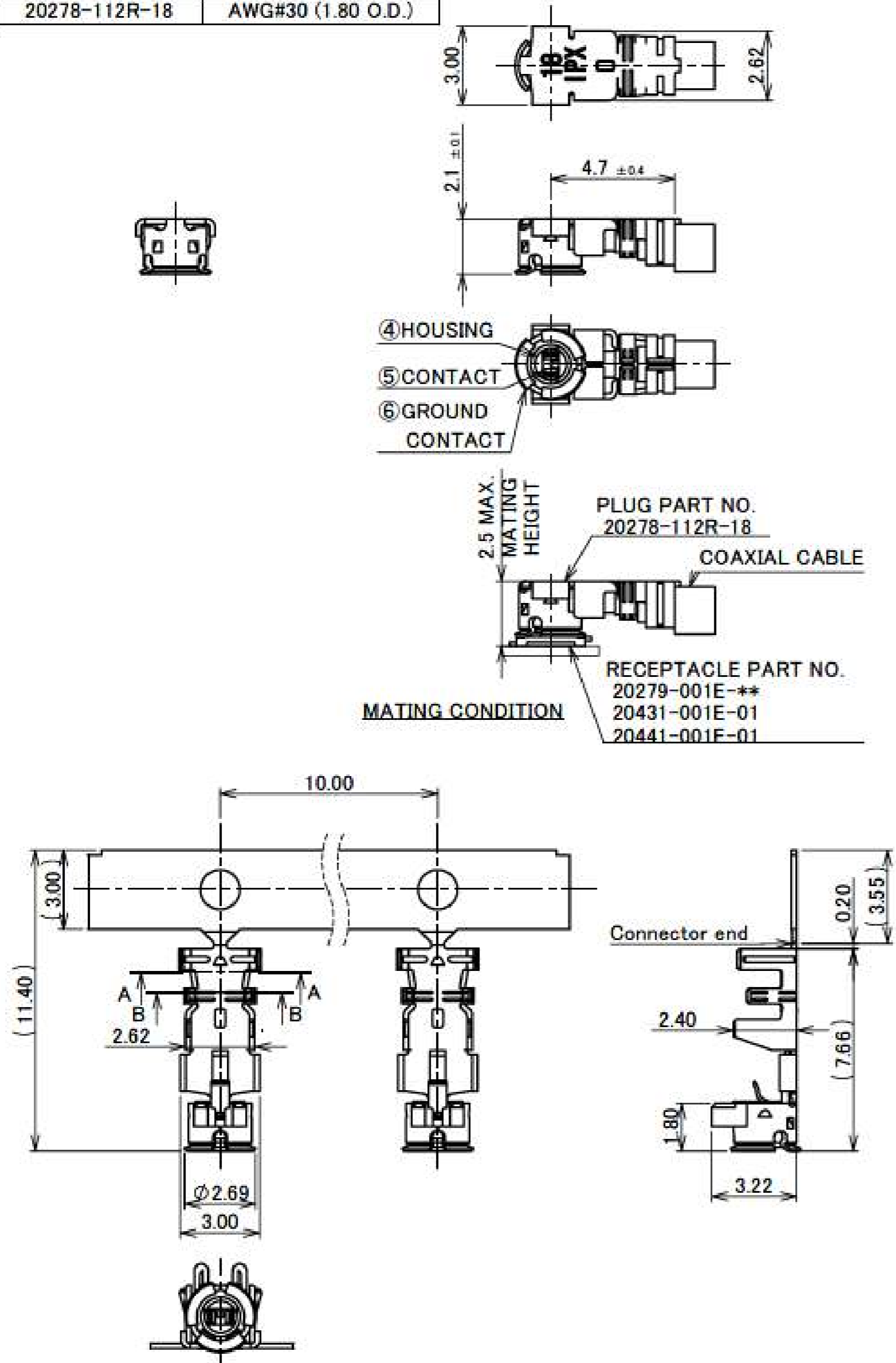
NOTE 3-2-2.



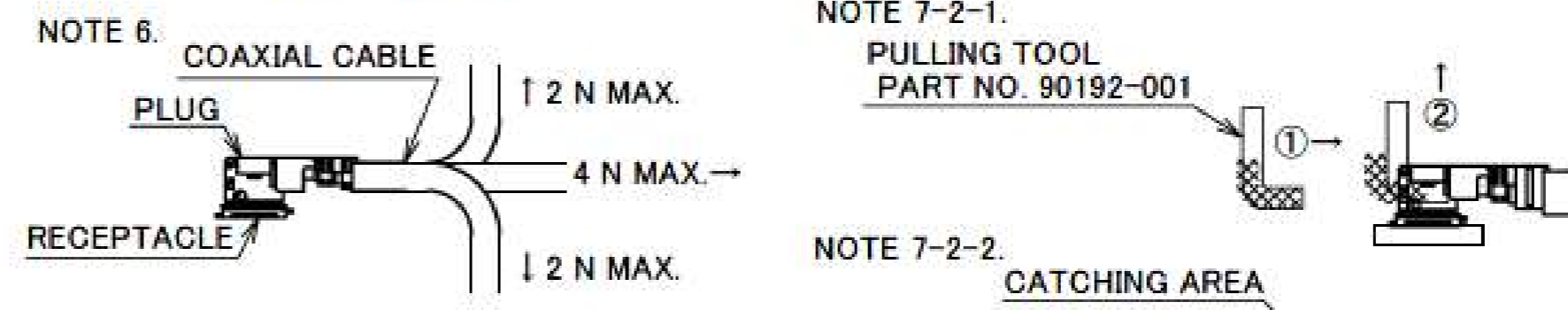
| NO. | DESCRIPTION | MATERIAL | FINISH, REMARKS |
|-----|----------------|-----------------|--|
| 3 | GROUND CONTACT | PHOSPHOR BRONZE | ALL OVER Ni 1.00 μm MIN. CONTACT PART Au 0.05 μm MIN. |
| 2 | CONTACT | PHOSPHOR BRONZE | ALL OVER Ni 1.00 μm MIN. CONTACT PART Au 0.10 μm MIN. |
| 1 | HOUSING | PBT | UL94V-0, 20278-112R-08: WHITE 20278-112R-13, -32: BLACK |
| | | | FINISH, REMARKS |

MHF® I plug Au (0.81,1.13,1.32,1.80)

| Recommended P/N | | 20278-112R-**-** |
|-----------------|--------------------|------------------|
| PART No. | APPLICABLE CABLE | |
| 20278-112R-18 | AWG#30 (1.80 O.D.) | |



- NOTES
5. APPLICABLE CONNECTOR:
20279-001E-**-**, 20431-001E-01, 20441-001E-01
 6. PERMISSIBLE LOAD OF CABLE AT MATING
 7. SUGGESTIONS FOR MATING & UNMATING OPERATION.
 - 7-1. 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.
 - 7-2. UNMATING
7-2-1. 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.
 - 7-2-2. 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.
 - 7-3. 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)
 - 7-4. CAUTION ABOUT HEAT SHRINKAGE TUBES
PLEASE BE CAREFUL NOT TO MELT HOUSING WHEN USING HEAT SHRINKAGE TUBES. IT WILL BECOME CAUSE OPEN CIRCUIT.
 8. THIS IS "PB-FREE" CONNECTOR.



| NO. | DESCRIPTION | MATERIAL | FINISH, REMARKS |
|-----|----------------|-----------------|--|
| 6 | GROUND CONTACT | PHOSPHOR BRONZE | ALL OVER Ni 1.00 μm MIN. CONTACT PART Au 0.05 μm MIN. |
| 5 | CONTACT | PHOSPHOR BRONZE | ALL OVER Ni 1.00 μm MIN. CONTACT PART Au 0.10 μm MIN. |
| 4 | HOUSING | PBT | UL94V-0, WHITE |

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| PART NO. | 20278-112R-08 | 20278-112R-13 | 20278-112R-32 | 20278-112R-18 | |
|---|--|--|--|---|--|
| APPLICABLE CABLE NOMINAL DIMENSION | 2.09 ±0.1 1.25 ±0.1 1.16 ±0.1 AWG #36(7/0.05) φ0.40 NOMINAL (φ0.65) φ0.81 NOMINAL | 2.09 ±0.1 1.25 ±0.1 1.16 ±0.1 AWG #32(7/0.08) φ0.68 NOMINAL (φ0.93) φ1.13 NOMINAL | 2.09 ±0.1 1.25 ±0.1 1.16 ±0.1 AWG #32(7/0.08) φ0.66 NOMINAL (φ1.12) φ1.32 NOMINAL | 2.09 ±0.1 1.25 ±0.1 1.16 ±0.1 AWG #30(7/0.102) φ0.84 NOMINAL (φ1.35) φ1.80 NOMINAL | CABLE CUT LENGTH |
| INNER CONDUCTOR SILVER PLATING | | | | | CRIMP HEIGHT BLADE MICROMETER CH-1: 0.40 i-Fit® PART: 0.40 CH-2: 0.40 CH-3: 0.40 OUTER CONDUCTOR PART JACKET PART: 0.40 |
| DIELECTRIC CORE | | | | | |
| OUTER CONDUCTOR SILVER OR TIN PLATING | | | | | |
| JACKET | | | | | |
| *SEE NOTE 9. | | | | | |
| BRAIDED SHIELD OF OUTER CONDUCTOR | SINGLE | SINGLE | DOUBLE | SINGLE | |
| PART NO. OF HAND TOOL | 90187-008C | 90187-013C | 90187-032C | 90233-018 | |
| PART NO. OF SEMI AUTO TERMINATION MACHINE | 90213-008C | 90213-013C | 90213-032C | 90232-018 | |
| SECT. B-B | 1.68, 1.12 | 2.24, 1.48 | 2.29, 1.56 | 2.71, 1.90 | |
| SECT. A-A | 1.72, 1.19 | 2.28, 1.55 | 2.37, 1.71 | 3.10, 2.26 | |
| CRIMP HEIGHT | CH-1 | 1.34~1.40 | 1.34~1.40 | 1.34~1.40 | 1.34~1.40 |
| | CH-2 | 0.76~0.84 | 1.06~1.14 | 1.20~1.30 | 1.41~1.49 |
| | CH-3 | 0.85~0.97 | 1.15~1.35 | 1.26~1.46 | 1.70~1.80 |

NOTE 9. MUST NOT USE SOLDER COATED INNER CONDUCTOR AND OUTER CONDUCTOR.

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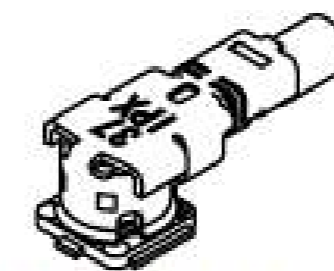
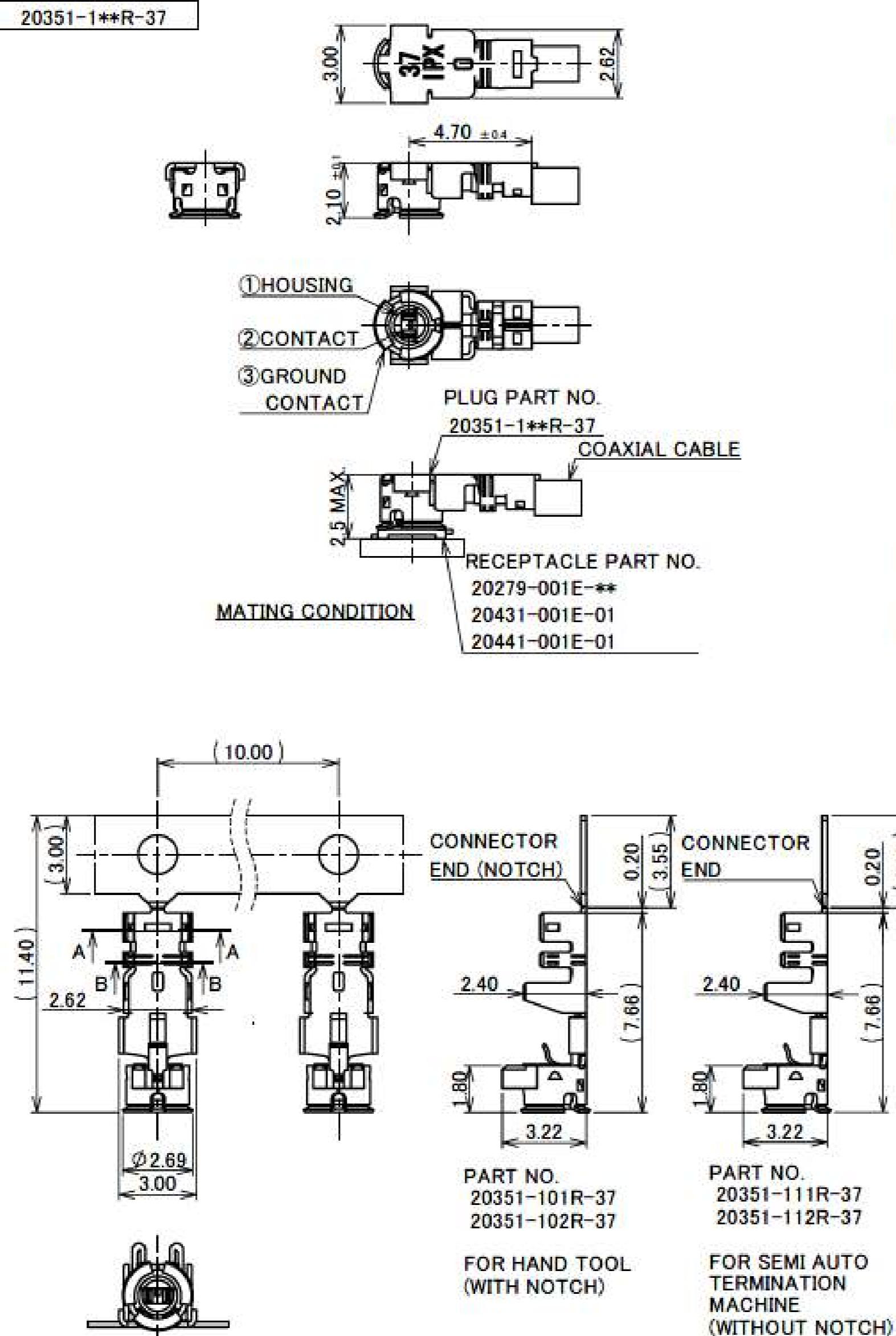
MHF® I plug Au (0.81,1.13,1.32,1.80)

| ITEMS | SPECIFICATION |
|--|---|
| RECOMMENDED APPLICABLE CONNECTOR PART No. | 20279-001E-** |
| RATING VOLTAGE | 60 V AC (R.M.S) |
| RATING FREQUENCY | DC~9GHz |
| OPERATING TEMPERATURE | 233~363 K (-40°C~+90°C) |
| VSWR (MATED WITH SMA ADAPTER PART No.90193-001) | 1.30 MAX. AT 0.1~3 GHz, 1.50 MAX. AT 3~6 GHz, 1.90 MAX. AT 6~9 GHz (0.81 O.D. / 1.13 O.D. / 1.80 O.D.) 1.30 MAX. AT 0.1~3 GHz, 1.50 MAX. AT 3~6 GHz, 1.60 MAX. AT 6~9 GHz (1.32 O.D.) |
| 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 | 20278-112R-08, 20278-112R-13, 20278-112R-32: 10 N MIN. 20278-112R-18: 15 N MIN. |
| PRODUCT SPECIFICATION | PRS-1676 |
| TEST REPORT | TR-12044 |
| PACKING STANDARD | 300-233 |
| INSTRUCTION MANUAL | HIM-10002 |
| APPEARANCE CRITERIA No. | QLS-A*** |

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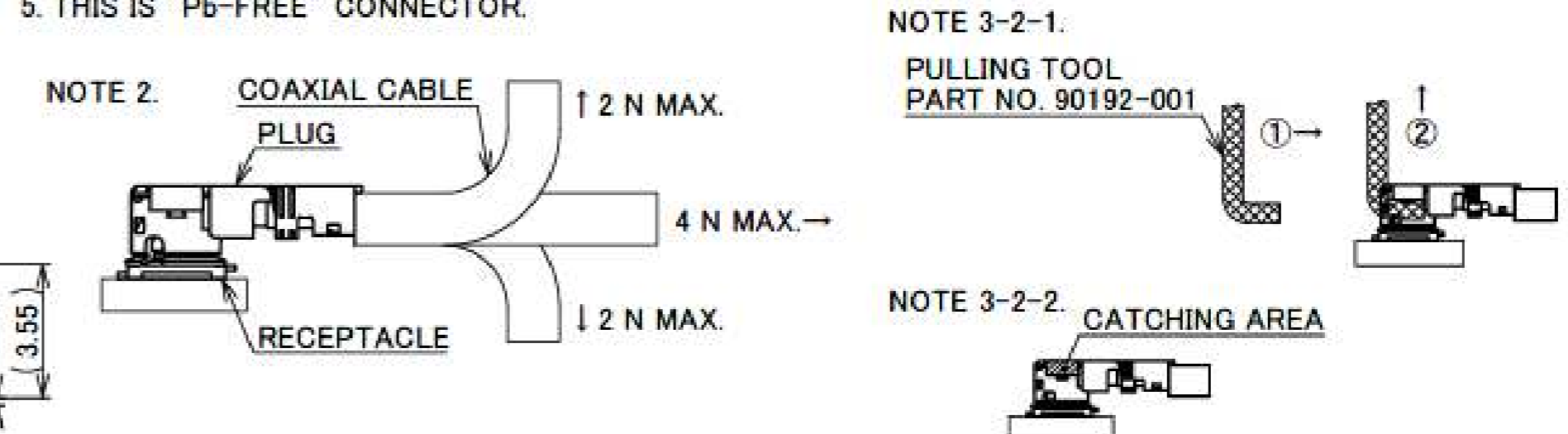
MHF® I plug Au (1.37)

| | |
|-----------------|---------------|
| Recommended P/N | 20351-112R-37 |
| PART No. | 20351-1**R-37 |



NOTES

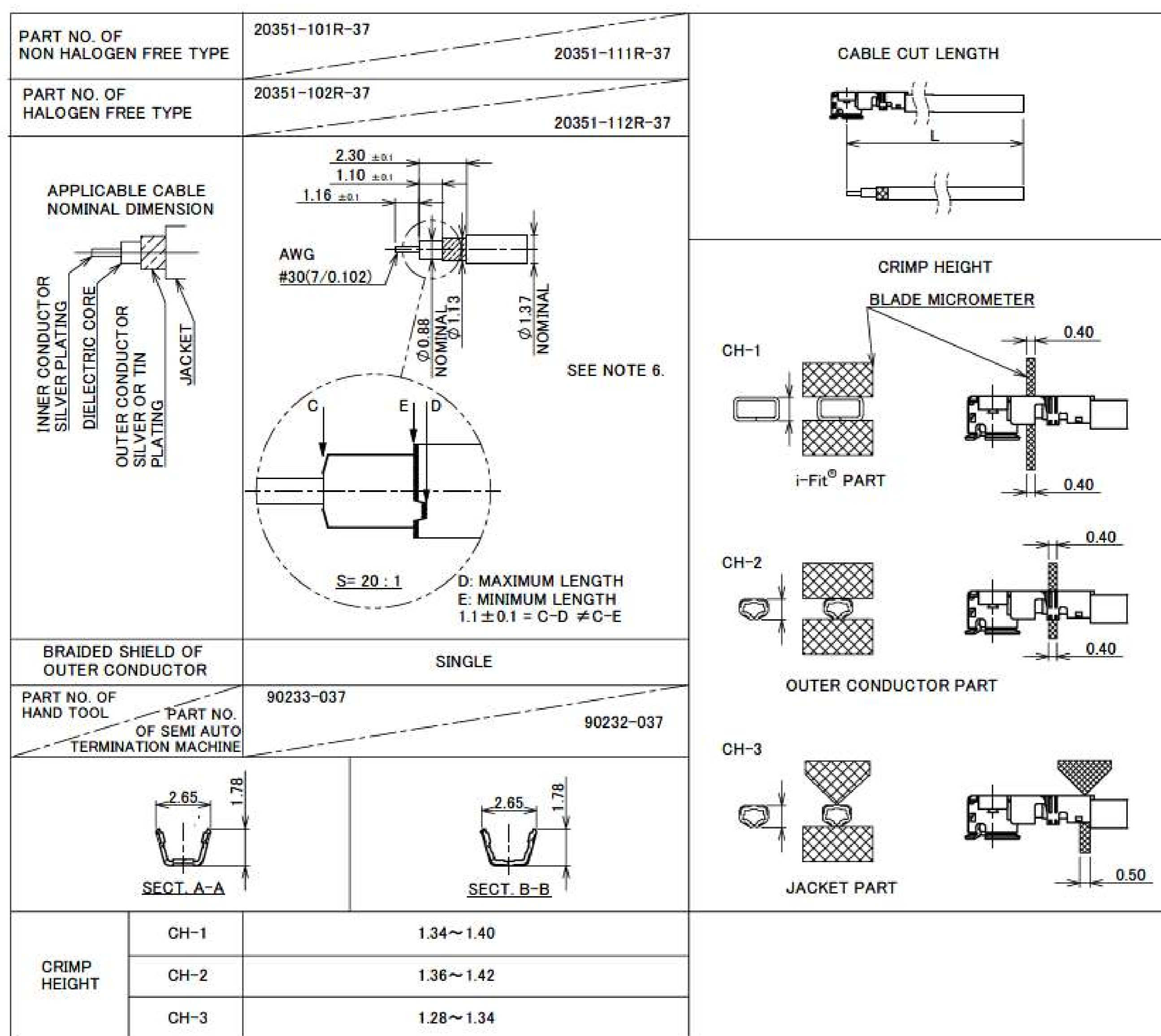
- APPLICABLE CONNECTOR:
20279-001E-**, 20431-001E-01, 20441-001E-01
- PERMISSIBLE LOAD OF CABLE AT MATING
- SUGGESTIONS FOR MATING & UNMATING OPERATION
 - MATING
PLEASE MATE THE CONNECTOR STRAIGHTLY TO VERTICAL DIRECTION AS MUCH AS POSSIBLE. ADJUSTING THE MATING AXIS OF PLUG AND RECEPTACLE. AS EXCESSIVE SLANT ANGLE MATING MAY BREAK THE CONNECTOR. PLEASE DON'T DO IT.
 - UNMATING
 - 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.
 - 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.
 - 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)
 - CAUTION ABOUT HEAT SHRINKAGE TUBES
PLEASE BE CAREFUL NOT TO MELT HOUSING WHEN USING HEAT SHRINKAGE TUBES. IT WILL BECOME CAUSE OPEN CIRCUIT.
- TIP OF CONTACT SHOULD BE RECESSED OF HOUSING AFTER CRIMPED ABOUT MATING AREA.
- THIS IS "Pb-FREE" CONNECTOR.



| NO. | DESCRIPTION | MATERIAL | FINISH, REMARKS |
|-----|----------------|-----------------|--|
| 3 | GROUND CONTACT | PHOSPHOR BRONZE | ALL OVER Ni 1.00 μm MIN. CONTACT PART Au 0.05 μm MIN. |
| 2 | CONTACT | PHOSPHOR BRONZE | ALL OVER Ni 1.00 μm MIN. CONTACT PART Au 0.10 μm MIN. |
| 1 | HOUSING | PBT | UL94V-0, WHITE |

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MHF® I plug Au (1.37)



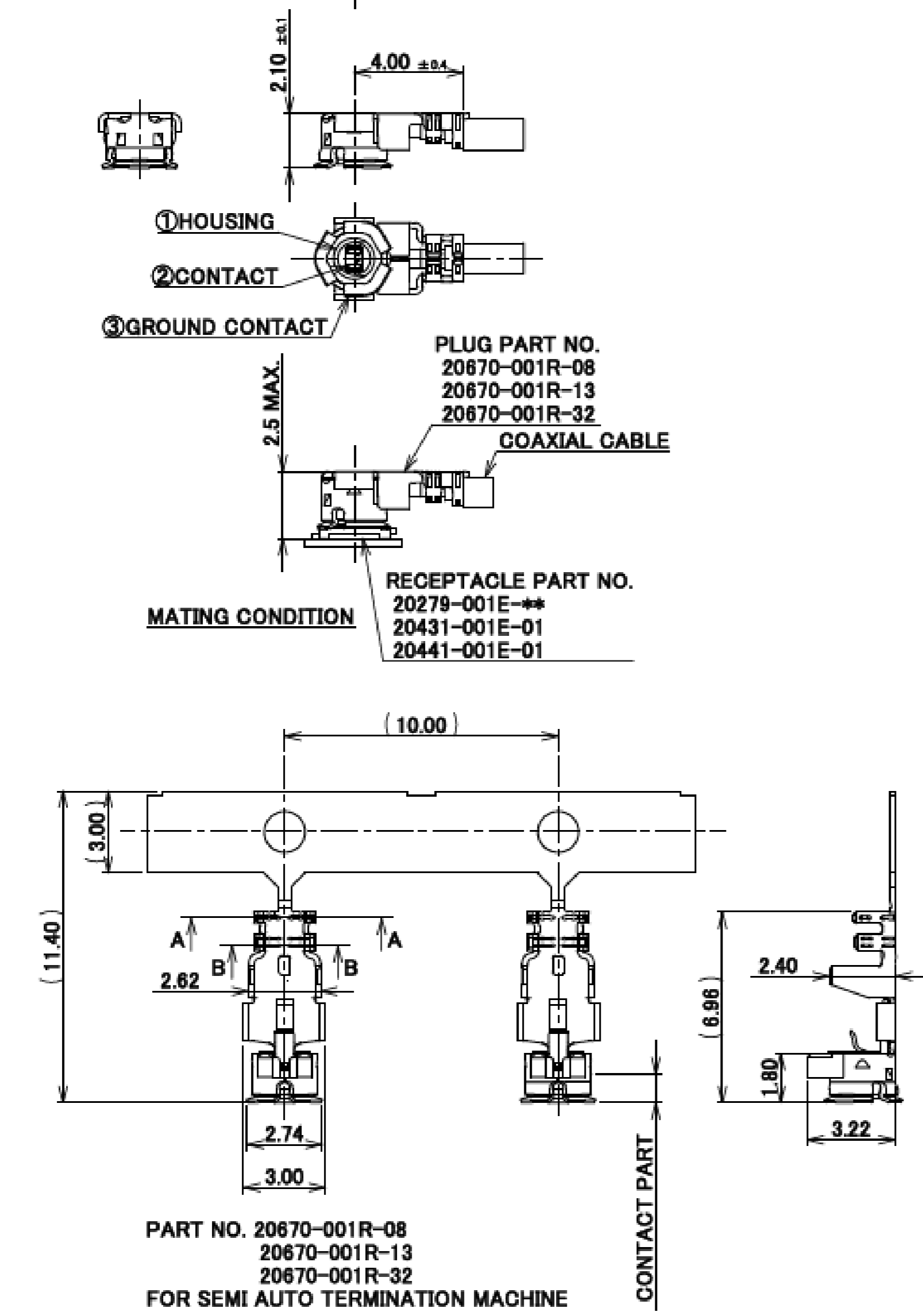
NOTE 6. MUST NOT USE SOLDER COATED INNER CONDUCTOR.

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| ITEMS | SPECIFICATION |
|---|---|
| RECOMMENDED APPLICABLE CONNECTOR PART No. | 20279-001E-*** |
| RATING VOLTAGE | 60 V AC (R.M.S) |
| RATING FREQUENCY | DC~9GHz |
| OPERATING TEMPERATURE | 233~363 K (-40°C~+90°C) |
| 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*** |

MHF® I plug Ni top (0.81,1.13,1.32,1.37,1.80)

| Recommended P/N | 20670-001R-**- |
|-----------------|---|
| PART NO. | 20670-001R-08 20670-001R-13 20670-001R-32 |



HATCHED AREA: Ni PLATING AREA

HF Halogen Free, RoHS Compliant

NOTES

- APPLICABLE CONNECTOR:
20279-001E-**-
20431-001E-01
20441-001E-01
- PERMISSIBLE LOAD OF CABLE AT MATING
- MATING AND UNMATING INSTRUCTION
 - MATING
MAKE THE CONNECTOR VERTICALLY AS MUCH AS POSSIBLE, ADJUSTING THE MATING AXIS OF PLUG AND RECEPTACLE.
 - UNMATING
 - IN CASE OF UNMATING BY PULLING TOOL (PART NO. 90192-001): USE THE PULLING TOOL AS THE FOLLOWING DRAWING, AND PULL PLUG TO VERTICAL DIRECTION AS DIRECTLY AS POSSIBLE.
 - IN CASE OF UNMATING DIRECTLY BY HAND: CATCH THE CATCHING AREA OF PLUG, AND PULL PLUG TO VERTICAL DIRECTION AS DIRECTLY AS POSSIBLE.
 - 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)
- CAUTION ABOUT HEAT SHRINKAGE TUBES
PLEASE BE CAREFUL NOT TO MELT HOUSING WHEN USING HEAT SHRINKAGE TUBES.
IT WILL CAUSE OPEN CIRCUIT.
- THIS IS "Pb-FREE" CONNECTOR.

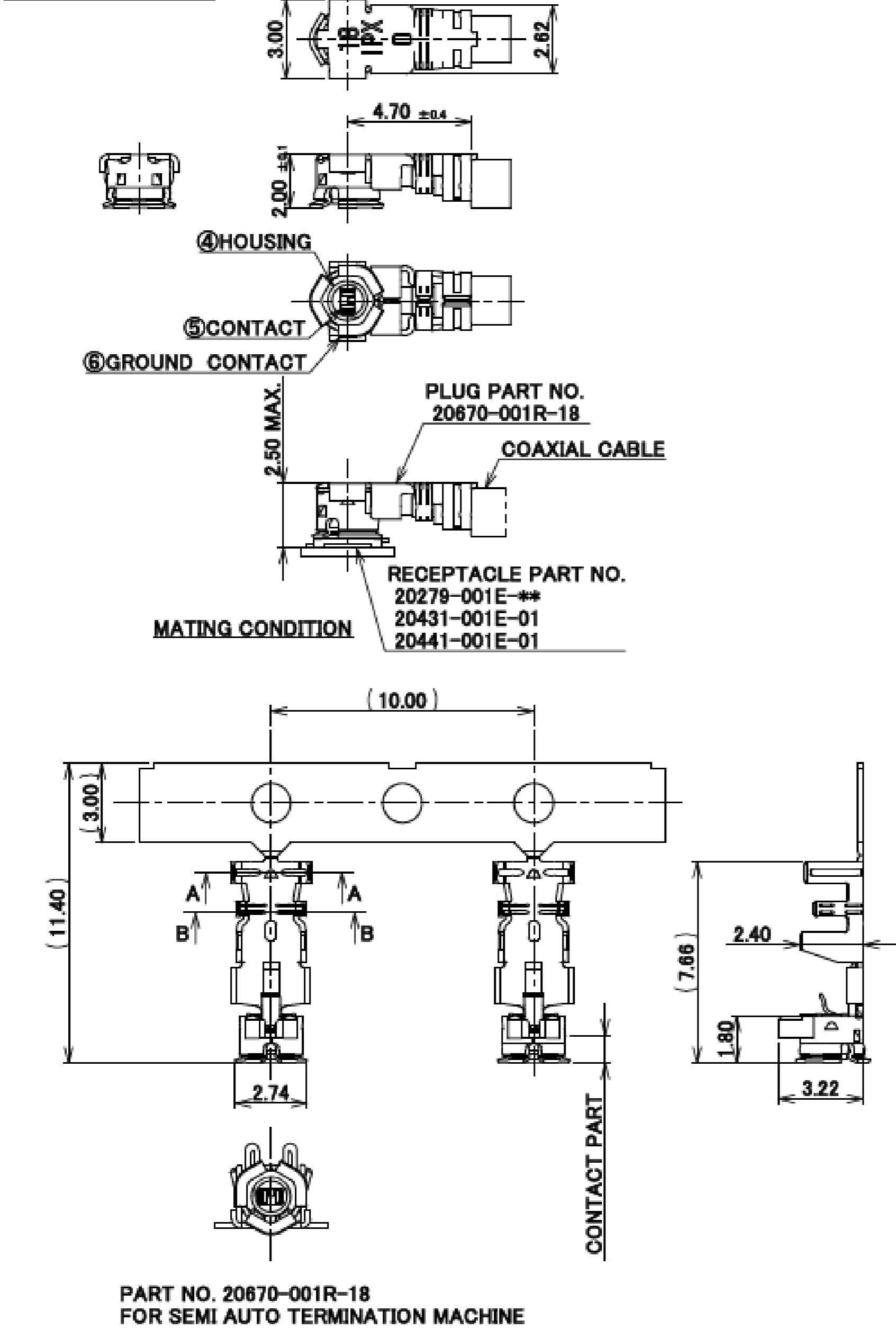
NOTE 2

NOTE 3-2-1, NOTE 3-2-2, CATCHING AREA

| NO. | DESCRIPTION | MATERIAL | FINISH, REMARKS |
|-----|----------------|-----------------|---|
| 3 | GROUND CONTACT | PHOSPHOR BRONZE | ALL OVER Ni 1.00 μm MIN. CONTACT PART Au 0.02 μm MIN. [Ni PLATING AREA] Ni ONLY |
| 2 | CONTACT | PHOSPHOR BRONZE | ALL OVER Ni 1.00 μm MIN. CONTACT PART Au 0.03 μm MIN. |
| 1 | HOUSING | PBT | UL94V-0, BLACK |

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| Recommended P/N | 20670-001R-**- |
|-----------------|----------------|
| PART No. | 20670-001R-18 |



HATCHED AREA: Ni PLATING AREA

HF Halogen Free, RoHS Compliant

NOTES

- APPLICABLE CONNECTOR:
20279-001E-**-
20431-001E-01
20441-001E-01
- PERMISSIBLE LOAD OF CABLE AT MATING
- MATING AND UNMATING INSTRUCTION
 - MATING
MAKE THE CONNECTOR VERTICALLY AS MUCH AS POSSIBLE, ADJUSTING THE MATING AXIS OF PLUG AND RECEPTACLE.
 - UNMATING
 - IN CASE OF UNMATING BY PULLING TOOL (PART NO. 90192-001): USE THE PULLING TOOL AS THE FOLLOWING DRAWING, AND PULL PLUG TO VERTICAL DIRECTION AS DIRECTLY AS POSSIBLE.
 - IN CASE OF UNMATING DIRECTLY BY HAND: CATCH THE CATCHING AREA OF PLUG, AND PULL PLUG TO VERTICAL DIRECTION AS DIRECTLY AS POSSIBLE.
 - 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)
- CAUTION ABOUT HEAT SHRINKAGE TUBES
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IT WILL CAUSE OPEN CIRCUIT.
- THIS IS "Pb-FREE" CONNECTOR.

NOTE 6.

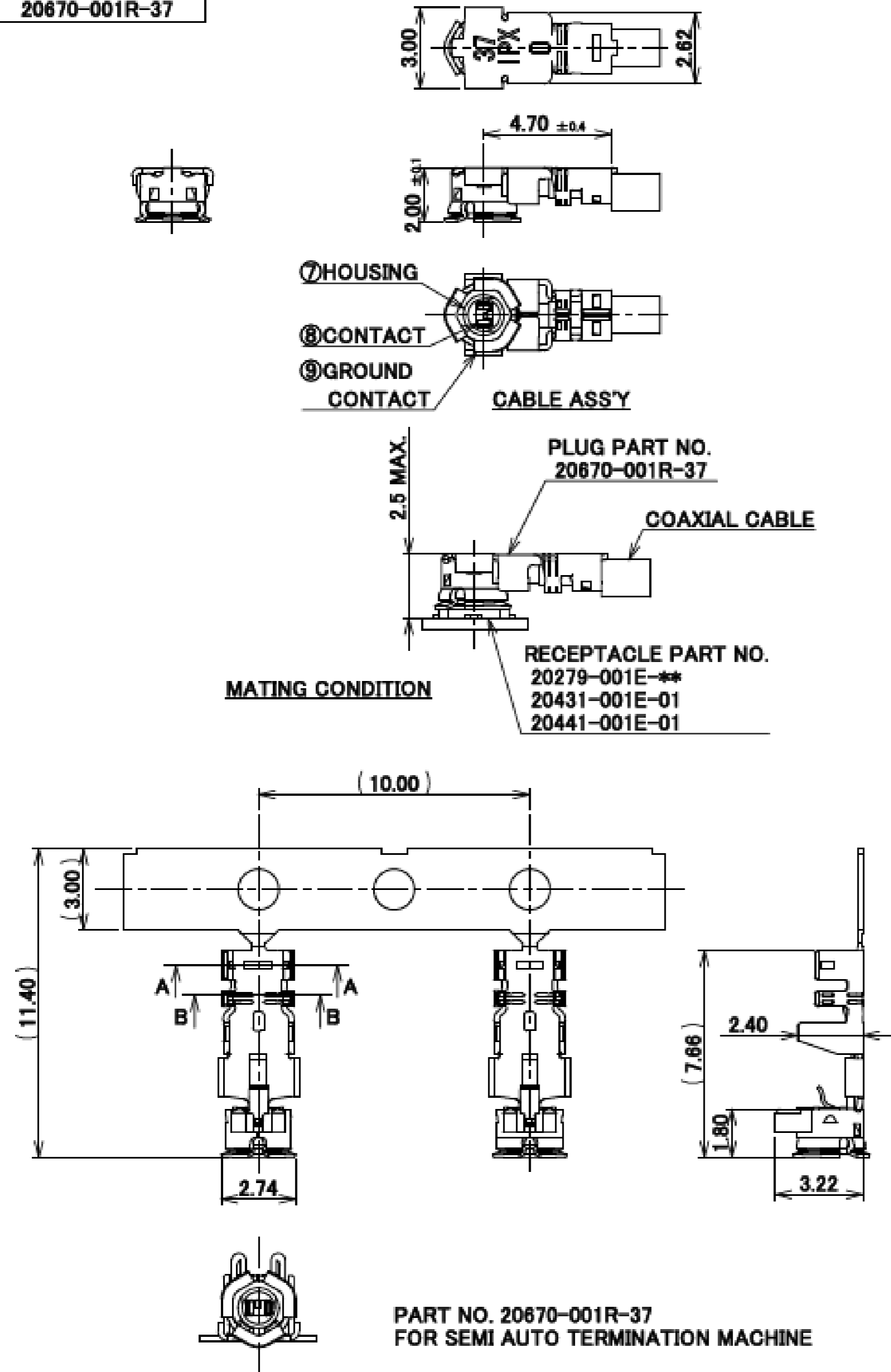
NOTE 7-2-1, NOTE 7-2-2, CATCHING AREA

| NO. | DESCRIPTION | MATERIAL | FINISH, REMARKS |
|-----|----------------|-----------------|---|
| 6 | GROUND CONTACT | PHOSPHOR BRONZE | ALL OVER Ni 1.00 μm MIN. CONTACT PART Au 0.02 μm MIN. [Ni PLATING AREA] Ni ONLY |
| 5 | CONTACT | PHOSPHOR BRONZE | ALL OVER Ni 1.00 μm MIN. CONTACT PART Au 0.03 μm MIN. |
| 4 | HOUSING | PBT | UL94V-0, BLACK |

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MHF® I plug Ni top (0.81,1.13,1.32,1.37,1.80)

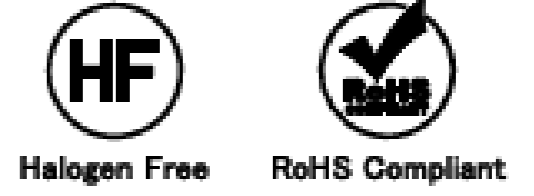
Recommended P/N 20670-001R-**-**
 PART No. 20670-001R-37



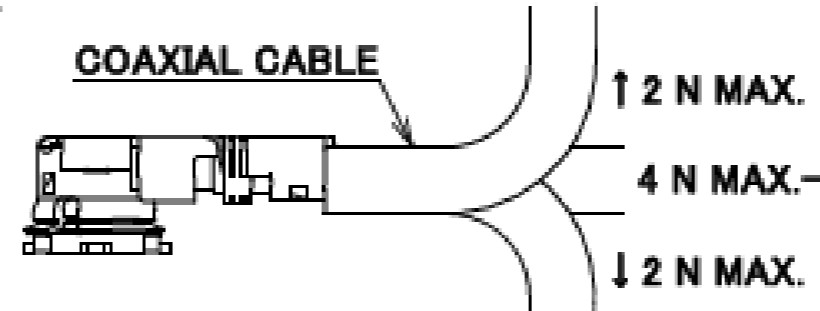
NOTES

9. APPLICABLE CONNECTOR:
20279-001E-**-**
20431-001E-01
20441-001E-01
10. PERMISSIBLE LOAD OF CABLE AT MATING
11. MATING AND UNMATING INSTRUCTION
- 11-1. MATING
MAKE THE CONNECTOR VERTICALLY AS MUCH AS POSSIBLE, ADJUSTING THE MATING AXIS OF PLUG AND RECEPTACLE.
- 11-2. UNMATING
- 11-2-1. IN CASE OF UNMATING BY PULLING TOOL (PART NO. 90192-001): USE THE PULLING TOOL AS THE FOLLOWING DRAWING, AND PULL PLUG TO VERTICAL DIRECTION AS DIRECTLY AS POSSIBLE.
- 11-2-2. IN CASE OF UNMATING DIRECTLY BY HAND: CATCH THE CATCHING AREA OF PLUG, AND PULL PLUG TO VERTICAL DIRECTION AS DIRECTLY AS POSSIBLE.
- 11-3. 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)
- 11-4. CAUTION ABOUT HEAT SHRINKAGE TUBES
PLEASE BE CAREFUL NOT TO MELT HOUSING WHEN USING HEAT SHRINKAGE TUBES.
IT WILL CAUSE OPEN CIRCUIT.
12. THIS IS "Pb-FREE" CONNECTOR.

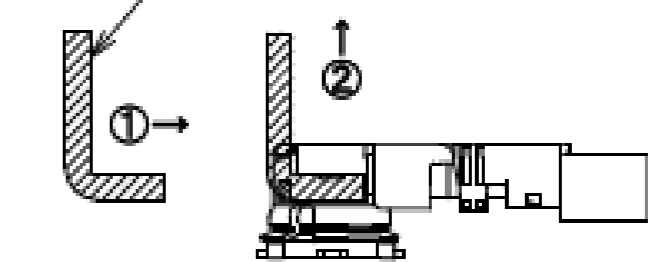
HATCHED AREA: NI PLATING AREA



NOTE 10.



NOTE 11-2-1. PULLING TOOL PART NO. 90192-001



NOTE 11-2-2. CATCHING AREA



| NO. | DESCRIPTION | MATERIAL | FINISH, REMARKS |
|-----|----------------|-----------------|---|
| 9 | GROUND CONTACT | PHOSPHOR BRONZE | ALL OVER Ni 1.00 μm MIN. CONTACT PART Au 0.02 μm MIN. [NI PLATING AREA] Ni ONLY |
| 8 | CONTACT | PHOSPHOR BRONZE | ALL OVER Ni 1.00 μm MIN. CONTACT PART Au 0.03 μm MIN. |
| 7 | HOUSING | PBT | UL94V-0, BLACK |

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| PART NO. | 20670-001R-08 | 20670-001R-13 | 20670-001R-32 | 20670-001R-18 | CABLE CUT LENGTH |
|---|--|--|--|---|------------------|
| APPLICABLE CABLE NOMINAL DIMENSION | 2.09 ±0.1 1.25 ±0.1 1.16 ±0.1 AWG #36(7/0.05) φ0.40 NOMINAL φ0.65 (φ0.85) φ0.81 NOMINAL *SEE NOTE 14. | 2.09 ±0.1 1.25 ±0.1 1.16 ±0.1 AWG #32(7/0.08) φ0.68 NOMINAL φ0.93 (φ1.13) φ1.13 NOMINAL *SEE NOTE 14. | 2.09 ±0.1 1.25 ±0.1 1.16 ±0.1 AWG #32(7/0.08) φ0.66 NOMINAL φ1.12 (φ1.32) φ1.32 NOMINAL *SEE NOTE 14. | 2.09 ±0.1 1.25 ±0.1 1.16 ±0.1 AWG #30(7/0.102) φ0.84 NOMINAL φ1.35 (φ1.80) φ1.80 NOMINAL *SEE NOTE 14. | |
| BRAIDED SHIELD OF OUTER CONDUCTOR | SINGLE | SINGLE | DOUBLE | SINGLE | |
| PART NO. OF SEMI AUTO TERMINATION MACHINE | 90213-008C | 90213-013C | 90213-032C | 90232-018 | |
| SECT. B-B | 1.68, 1.12 | 2.24, 1.48 | 2.29, 1.56 | 2.71, 1.90 | |
| SECT. A-A | 1.72, 1.19 | 2.28, 1.55 | 2.37, 1.71 | 3.10, 2.26 | |
| CRIMP HEIGHT | CH-1 | 1.34~1.40 | 1.34~1.40 | 1.34~1.40 | 1.34~1.40 |
| | CH-2 | 0.76~0.84 | 1.06~1.14 | 1.20~1.30 | 1.41~1.49 |
| | CH-3 | 0.85~0.97 | 1.15~1.35 | 1.26~1.46 | 1.70~1.80 |

NOTE
13. MUST NOT USE SOLDER COATED INNER CONDUCTOR AND OUTER CONDUCTOR.

Rev.7

MHF® I plug Ni top (0.81,1.13,1.32,1.37,1.80)

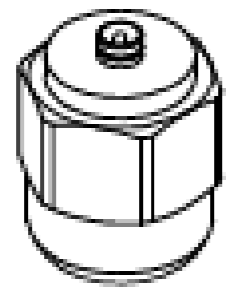
| | | | | | |
|---|------|---------------|--|-------------------------|--|
| PART NO. | | 20670-001R-37 | | CABLE CUT LENGTH | |
| APPLICABLE CABLE NOMINAL DIMENSION | | | | | |
| BRAIDED SHIELD OF OUTER CONDUCTOR | | SINGLE | | CRIMP HEIGHT | |
| PART NO. OF SEMI AUTO TERMINATION MACHINE | | 90232-037 | | | |
| SECT. B-B | | | | | |
| SECT. A-A | | | | | |
| CRIMP HEIGHT | CH-1 | 1.34~1.40 | | | |
| | CH-2 | 1.36~1.42 | | | |
| | CH-3 | 1.28~1.34 | | | |

NOTE
14. MUST NOT USE SOLDER COATED INNER CONDUCTOR AND OUTER CONDUCTOR.

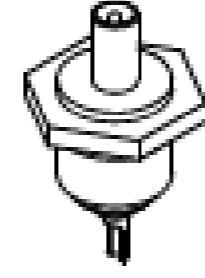
Rev.7

| ITEMS | SPECIFICATION |
|--|---|
| RECOMMENDED APPLICABLE CONNECTOR PART No. | 20279-001E-** |
| RATING VOLTAGE | 60 V AC (R.M.S) |
| RATING FREQUENCY | DC~9GHz |
| OPERATING TEMPERATURE | 233~363 K (-40°C~+90°C) |
| VSWR (MATED WITH SMA ADAPTER PART No:90193-001) | 1.30 MAX. AT 0.1~3 GHz, 1.50 MAX. AT 3~6 GHz, 1.90 MAX. AT 6~9 GHz (0.81 O.D. / 1.13 O.D. / 1.37 O.D. / 1.80 O.D.) 1.30 MAX. AT 0.1~3 GHz, 1.50 MAX. AT 3~6 GHz, 1.80 MAX. AT 6~9 GHz (1.32 O.D.) |
| MAIN CONTACT RESISTANCE | INITIAL: 20 mohm MAX. / AFTER TEST: Δ R 20 mohm MAX. |
| GROUND CONTACT RESISTANCE | INITIAL: 20mohm MAX. / AFTER TEST: Δ R 100 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 | 20670-001R-08, 20670-001R-13, 20670-001R-32: 10 N MIN. 20670-001R-18, 20670-001R-37: 15 N MIN. |
| PRODUCT SPECIFICATION | PRS-2105 |
| TEST REPORT | TR-15059 |
| PACKING STANDARD | 300-233 |
| INSTRUCTION MANUAL | HIM-10002 |
| APPEARANCE CRITERIA No. | QLS-A*** |

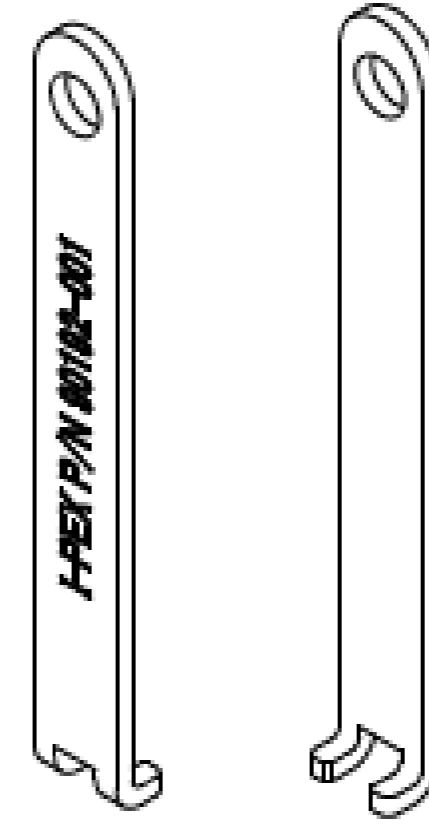
Accessories for MHF® I plug



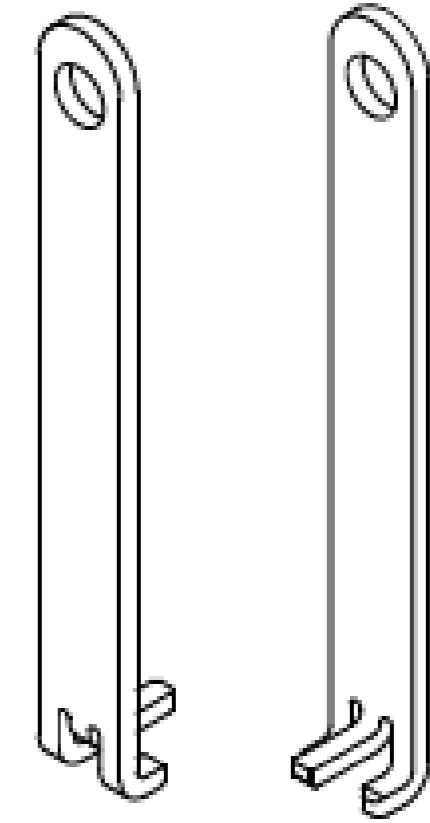
MHF I/II SMA ADAPTOR
PART NO. 90193-001



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



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

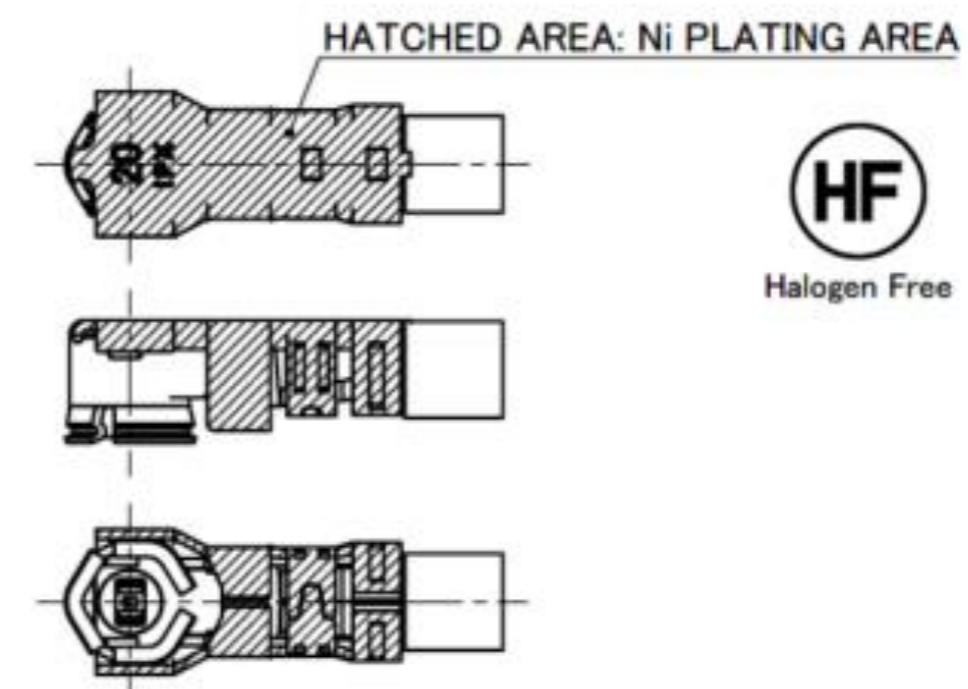
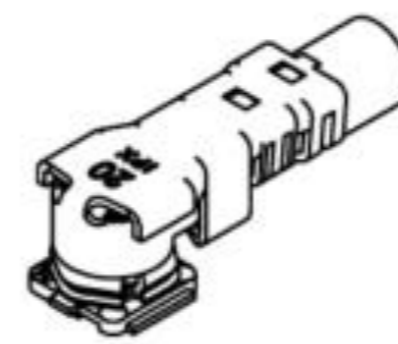
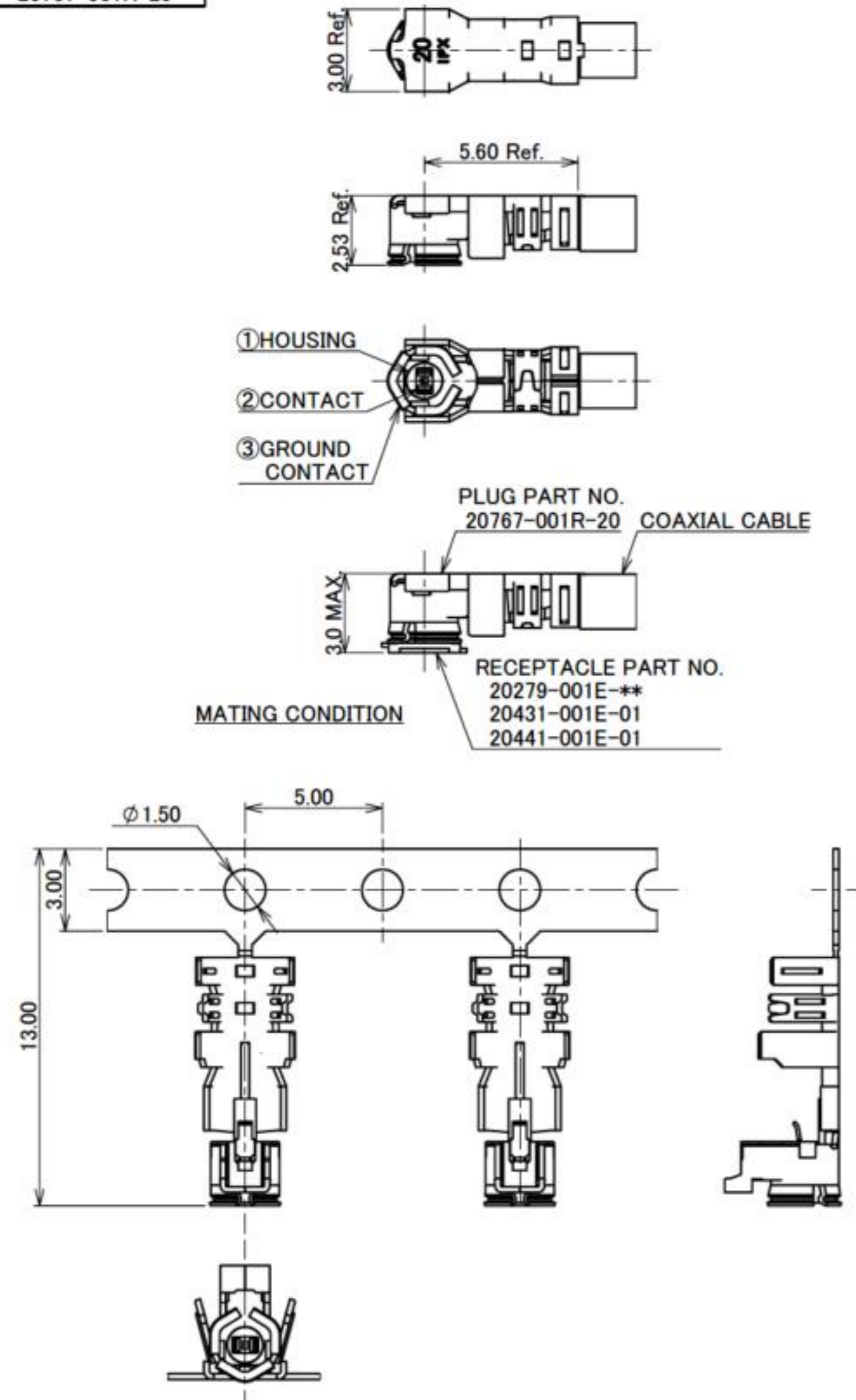


FRONT SIDE BACK SIDE
MHF I PUSHING AND PULLING TOOL
PART NO. 90224-001

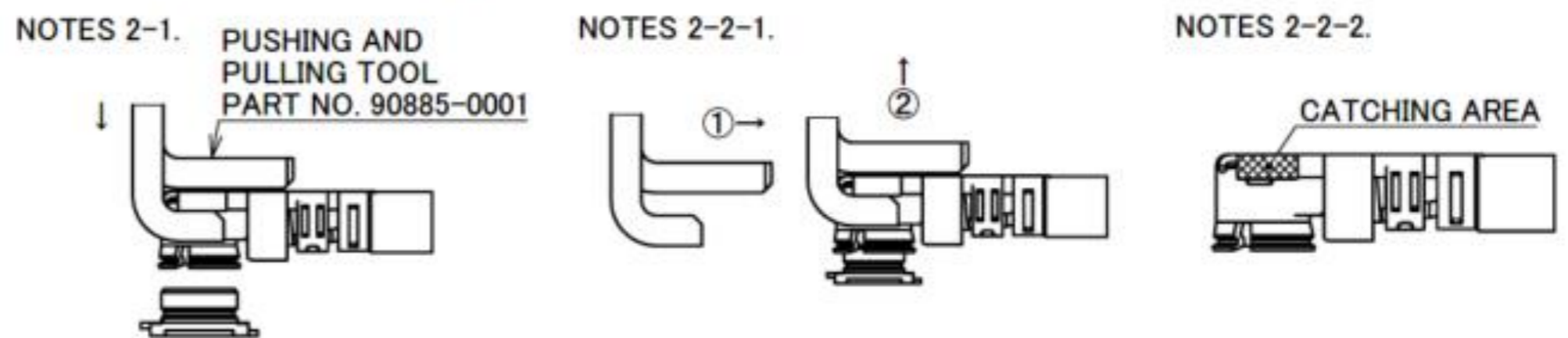
Rev.7

MHF® I plug (2.0 mm Cable O.D.)

| | |
|-----------------|---------------|
| Recommended P/N | 20767-001R-20 |
| PART No. | 20767-001R-20 |



- NOTES
- APPLICABLE CONNECTOR:
20279-001E-**, 20431-001E-01, 20441-001E-01
 - MATING AND UNMATING INSTRUCTION
 - MATING
MATE THE CONNECTOR VERTICALLY AS MUCH AS POSSIBLE, ADJUSTING THE MATING AXIS OF PLUG AND RECEPTACLE. DO NOT SLANT MATE.
 - UNMATING
 - IN CASE OF UNMATING BY PULLING TOOL (PART NO. 90885-0001)
USE THE PULLING TOOL AS THE FOLLOWING DRAWING, AND PLEASE PULL PLUG TO VERTICAL DIRECTION AS DIRECTLY AS POSSIBLE.
 - IN CASE OF UNMATING DIRECTLY BY HAND
CATCH THE CATCHING AREA OF PLUG, AND PULL PLUG TO VERTICAL DIRECTION AS DIRECTLY AS POSSIBLE.



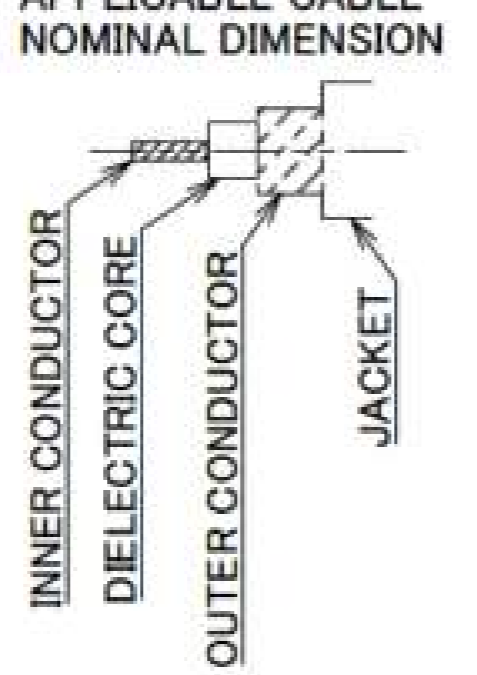
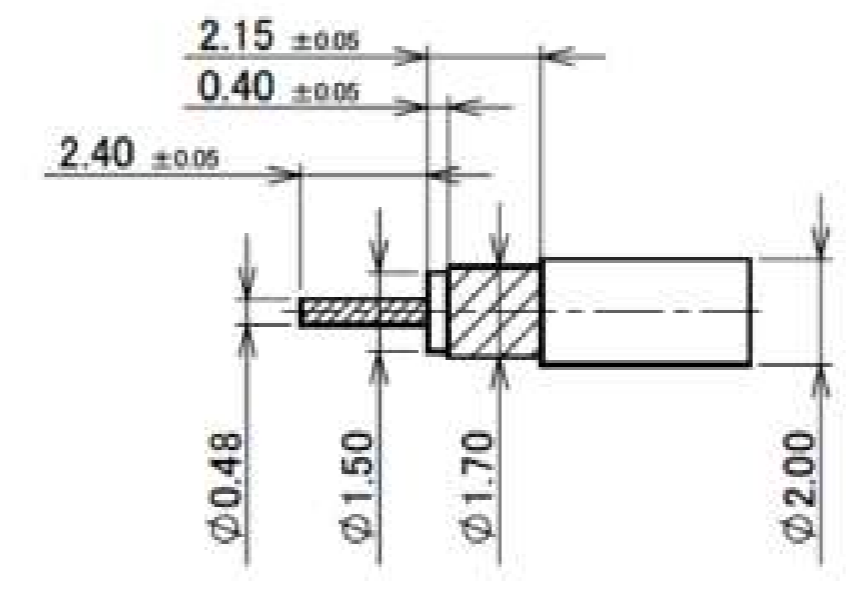
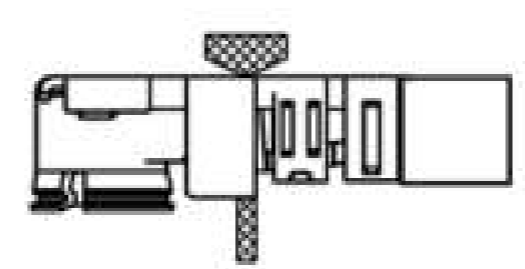
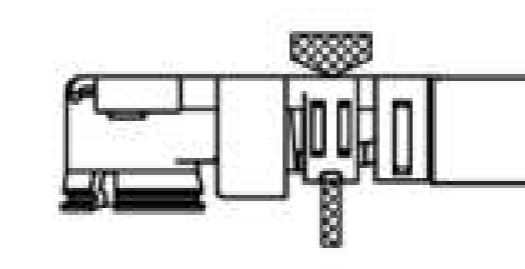
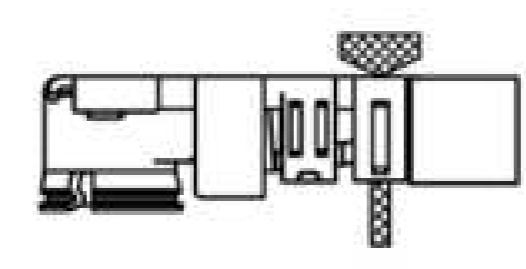
| NO. | DESCRIPTION | MATERIAL | FINISH , REMARKS |
|-----|----------------|-----------------|--|
| 3 | GROUND CONTACT | PHOSPHOR BRONZE | ALL OVER Ni 1.00 μm MIN. CONTACT PART Au 0.05 μm MIN. |
| 2 | CONTACT | PHOSPHOR BRONZE | ALL OVER Ni 1.00 μm MIN. CONTACT PART Au 0.10 μm MIN. |
| 1 | HOUSING | PBT | UL94V-0, BLACK |

Rev.4

MHF® I plug (2.0 mm Cable O.D.)

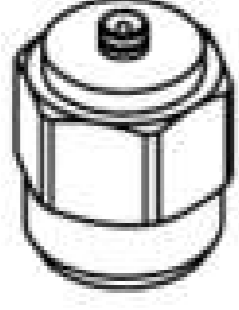
| ITEMS | SPECIFICATION |
|--|--|
| RECOMMENDED APPLICABLE CONNECTOR PART No. | 20279-001E-** |
| RATING VOLTAGE | 60 V AC (R.M.S) |
| RATING FREQUENCY | DC~9GHz |
| OPERATING TEMPERATURE | 233~363 K (-40°C~+90°C) |
| VSWR (MATED WITH SMA ADAPTER PART No.90193-001) | 1.30 MAX. AT 0.1~3 GHz, 1.50 MAX. AT 3~6 GHz, 1.60 MAX. AT 6~9 GHz |
| MAIN CONTACT RESISTANCE | INITIAL: 20 mohm MAX. / AFTER TEST: Δ R 20 mohm MAX. |
| GROUND CONTACT RESISTANCE | INITIAL: 20 mohm MAX. / AFTER TEST: Δ R 100 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-2490 |
| TEST REPORT | TR-18041 |
| PACKING STANDARD | PST-16007 |
| INSTRUCTION MANUAL | HIM-17017 |
| APPEARANCE CRITERIA No. | QLS-A*** |

Rev.4

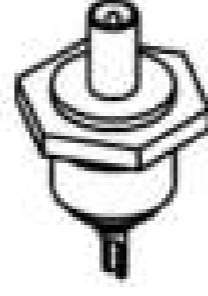
| PART NO. | 20767-001R-20 | | |
|---|---|--|--|
| <p>APPLICABLE CABLE NOMINAL DIMENSION</p>  |  | | |
| BRAIDED SHIELD OF OUTER CONDUCTOR | SINGLE | | |
| PART NO. OF SEMI AUTO TERMINATION MACHINE | 90876-020 | | |
| CRIMP HEIGHT | CH-1 i-Fit® PART | CH-2 SHIELD PART | CH-3 JACKET PART |
| |  2.28~2.36 |  1.81~1.87 |  1.95~2.01 |

Rev.4

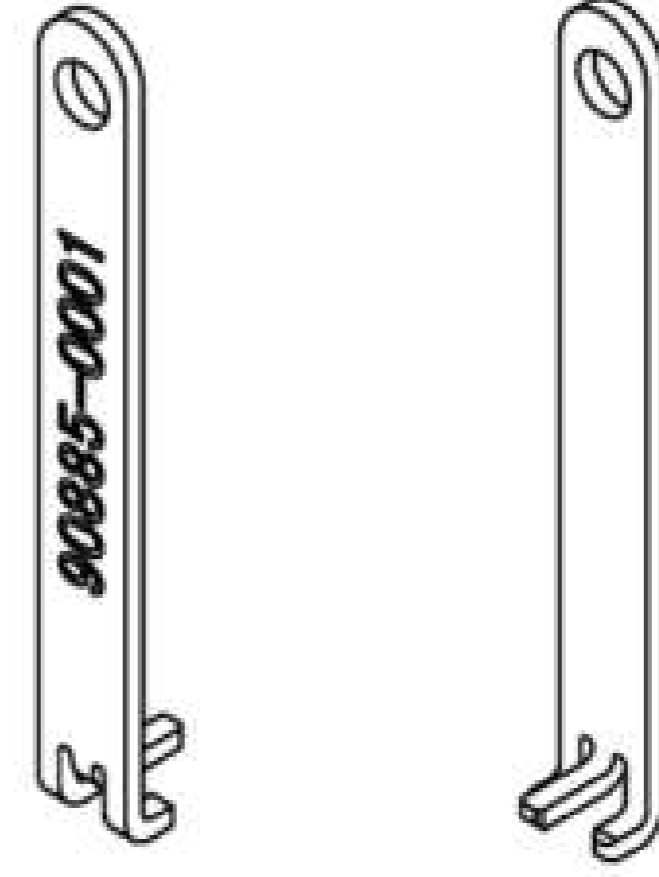
Accessories for MHF[®] I plug (2.0 mm Cable O.D.)



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



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

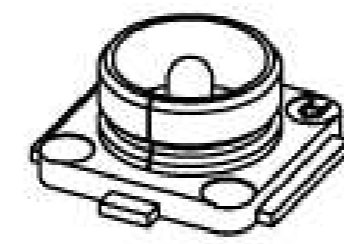
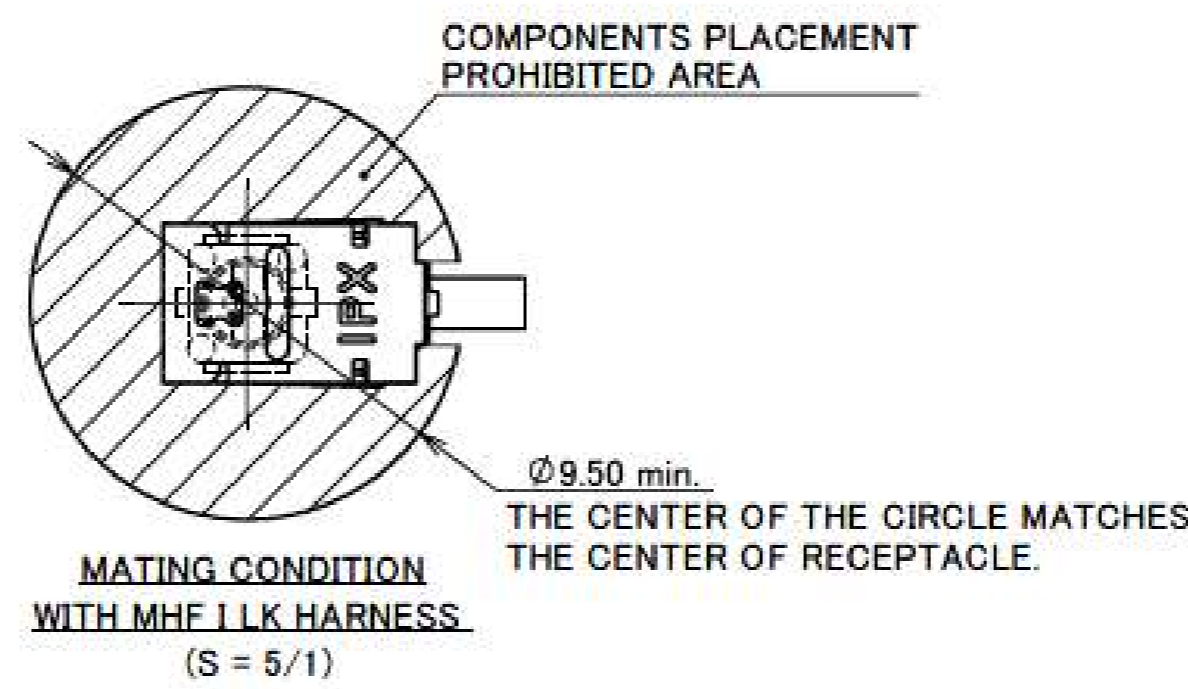
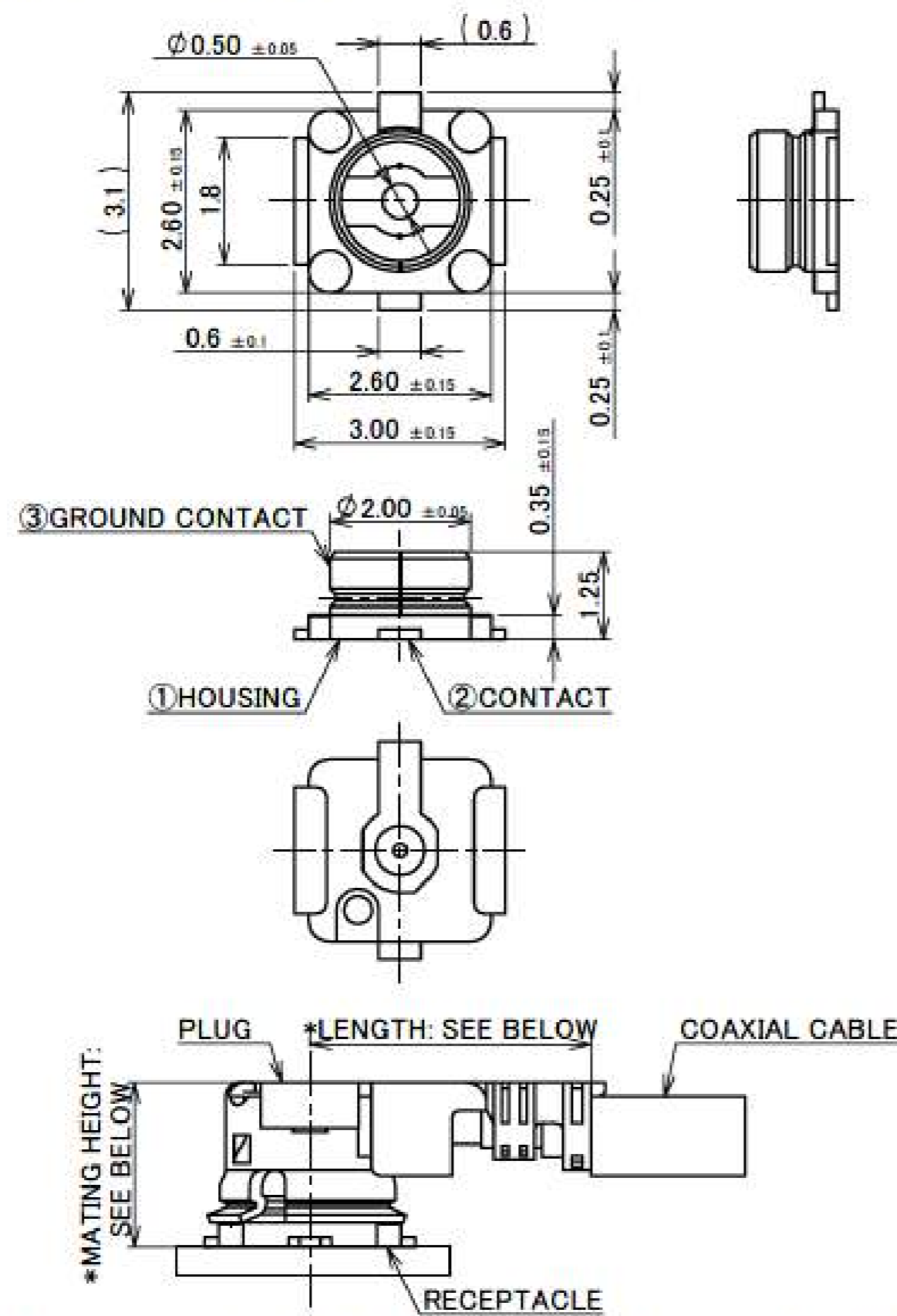


FRONT SIDE BACK SIDE
MHF I PLUG (2.00) PUSHING AND PULLING TOOL
PART NO. 90885-0001

Rev.4

MHF[®] I Receptacle

| Recommended P/N | 20279-001E-03 | |
|-----------------|-----------------------|--------------------|
| PART NO. | PACKING REEL | QUANTITY IN 1 REEL |
| 20279-001E-01 | PLASTIC REEL | 2,500 |
| | CORRUGATED PAPER REEL | 2,500 |
| 20279-001E-03 | PLASTIC REEL | 5,000 |
| 20279-001E-05 | PLASTIC REEL | 10,000 |



- NOTES
- APPLICABLE CONNECTOR PART NO.
MHF I PLUG
20278-11R-**
20351-***R-37
20631-***R-**
20670-001R-**
20767-001R-20
MHF II PLUG
20311-011R-**
20686-001R-08
 - COPLANARITY: 0.1mm MAX.
 - THIS IS "Pb-FREE" CONNECTOR.

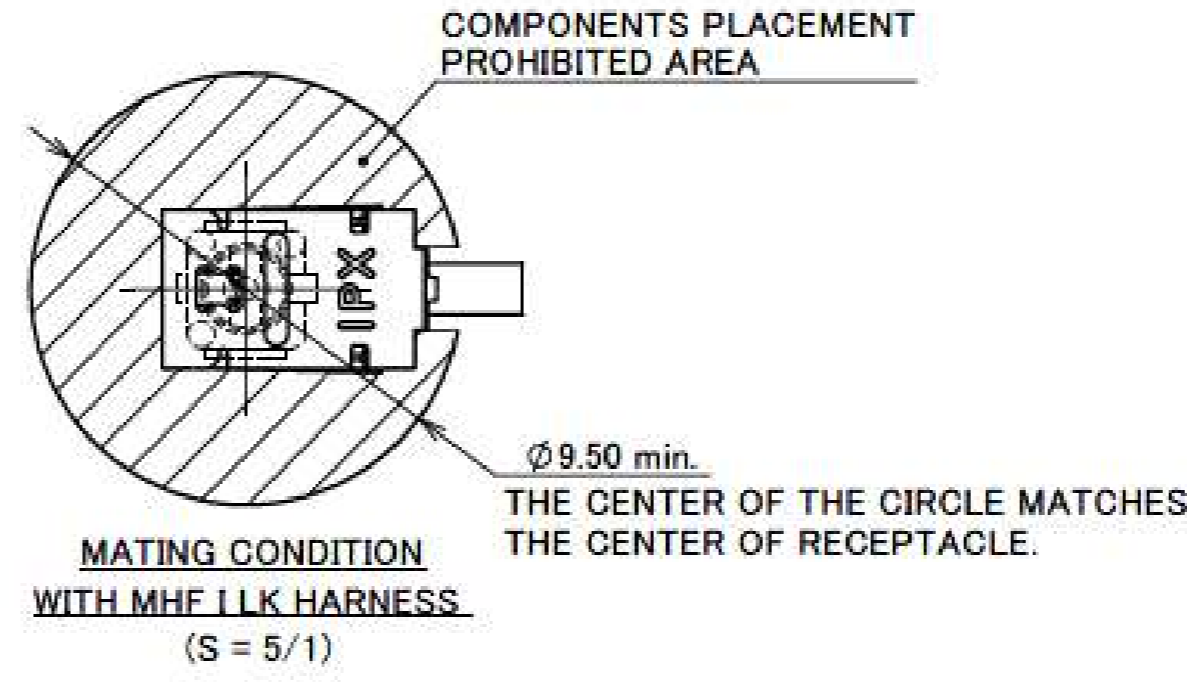
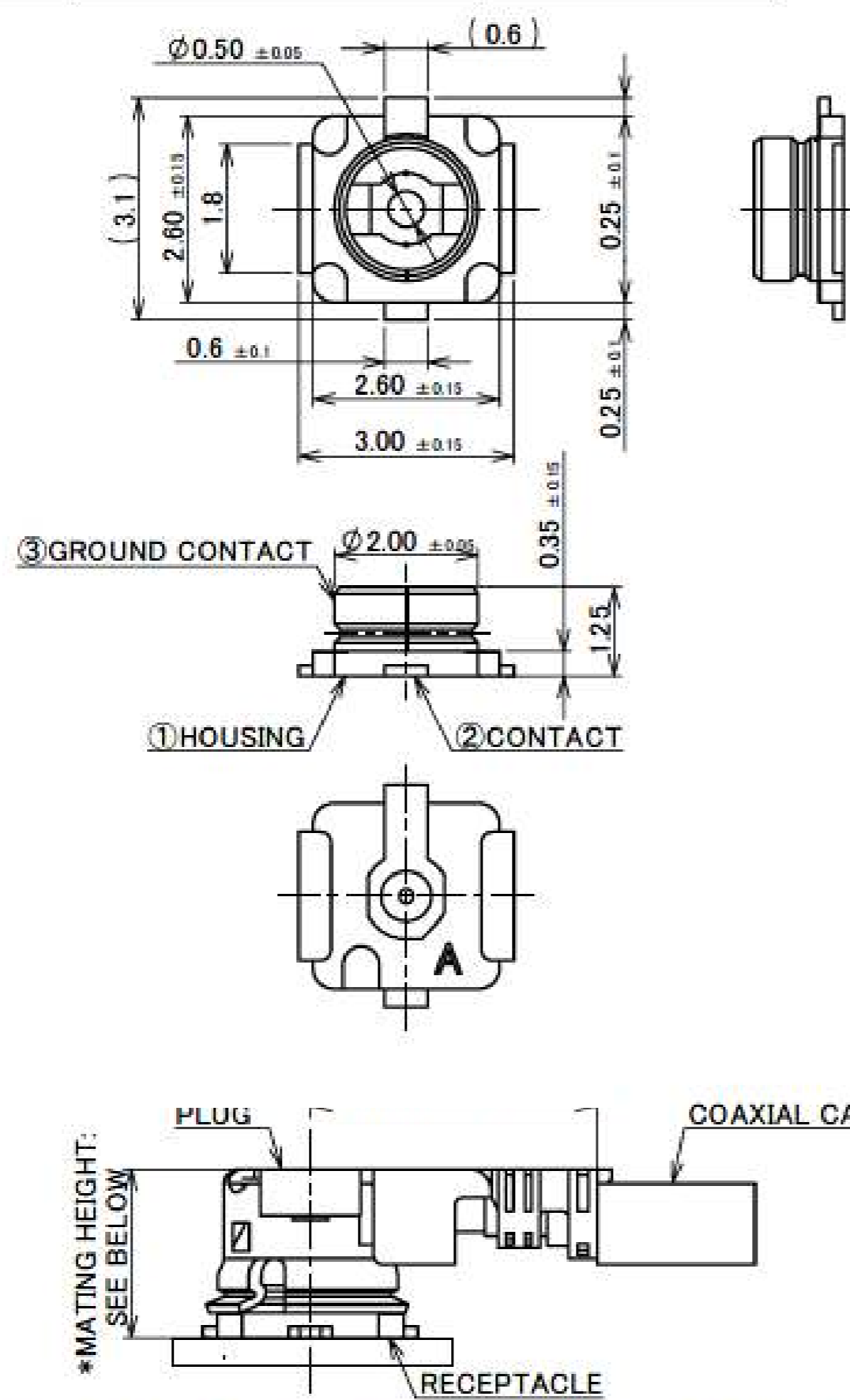
| NO. | DISCRIPTION | MATERIAL | FINISH, REMARKS |
|-----|----------------|-----------------|---|
| 3 | GROUND CONTACT | PHOSPHOR BRONZE | ALL OVER Ni 1.00 μ m MIN. CONTACT PART Au 0.05 μ m MIN. SOLDERING PART Au 0.05 μ m MIN. |
| 2 | CONTACT | BRASS | ALL OVER Ni 1.00 μ m MIN. CONTACT PART Au 0.10 μ m MIN. SOLDERING PART Au 0.03 μ m MIN. |
| 1 | HOUSING | LCP | UL94V-0, WHITE |
| | | | |

- *LENGTH: 4.0 \pm 0.4 AT PLUG PART NO. 20670-001R-08, 20670-001R-13, 20670-001R-32
4.7 \pm 0.4 AT PLUG PART NO. 20670-001R-18, 20670-001R-37
5.6 AT PLUG PART NO. 20767-001R-20 (REFERENCE DIMENSION)
3.8 \pm 0.3 AT PLUG PART NO. 20686-001R-08, 20311-011R-**
- *MATING HEIGHT: 2.5 MAX. AT PLUG PART NO. 20670-001R-**
(2.9 MAX. AT MHF I LK LOCKED CONDITION)
3.0 MAX. AT PLUG PART NO. 20767-001R-20
2.0 \pm 0.1 AT PLUG PART NO. 20686-001R-08, 20311-011R-**
- MATING CONDITION

Rev.29

MHF® I Receptacle

| | | |
|-----------------|---------------|--------------------|
| Recommended P/N | 20279-001E-03 | |
| PART NO. | PACKING REEL | QUANTITY IN 1 REEL |
| 20279-001E-06 | PLASTIC REEL | 10,000 |



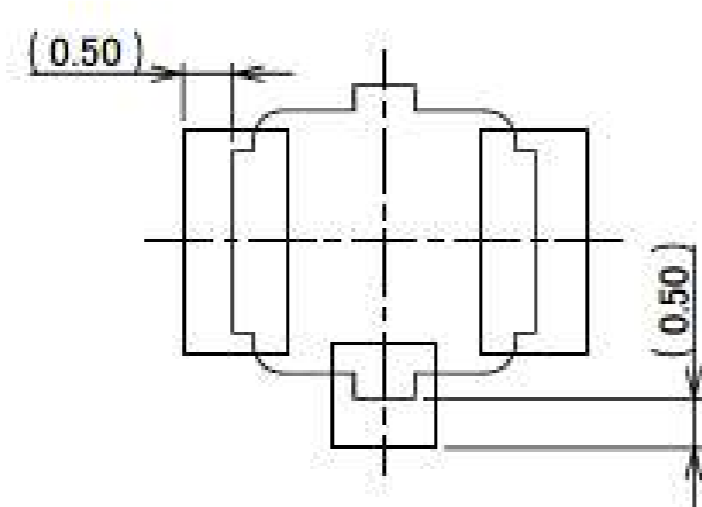
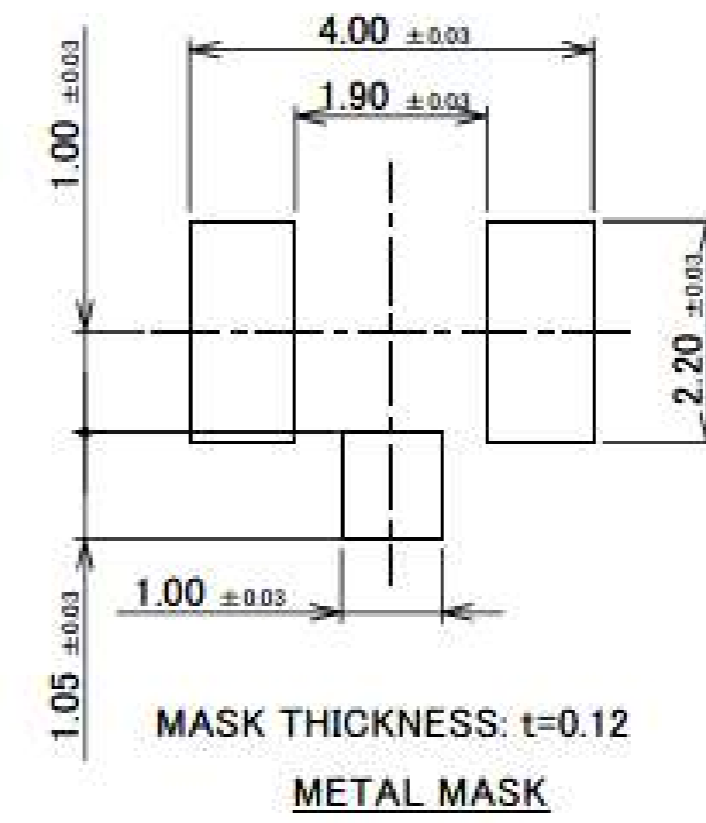
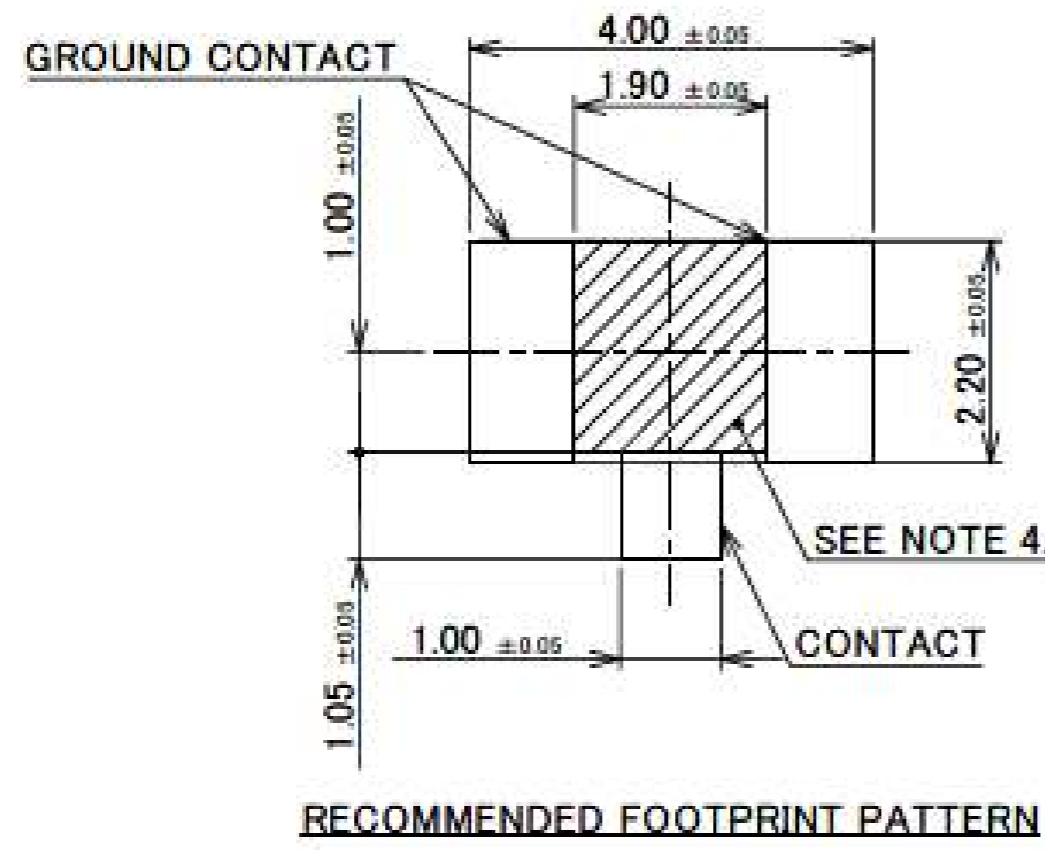
- NOTES
- APPLICABLE CONNECTOR PART NO.
MHF I PLUG
20278-11R-**-**
20351-***R-37
20631-***R-**-**
20670-001R-**-**
20767-001R-20
MHF II PLUG
20311-011R-**-**
20686-001R-08
 - COPLANARITY: 0.1mm MAX.
 - THIS IS "Pb-FREE" CONNECTOR.

| NO. | DISCRIPTION | MATERIAL | FINISH, REMARKS |
|-----|----------------|-----------------|---|
| 3 | GROUND CONTACT | PHOSPHOR BRONZE | ALL OVER Ni: 1.00 μm MIN. CONTACT PART Au 0.05 μm MIN. SOLDERING PART Au 0.05 μm MIN. |
| 2 | CONTACT | BRASS | ALL OVER Ni: 1.00 μm MIN. CONTACT PART Au 0.10 μm MIN. SOLDERING PART Au 0.03 μm MIN. |
| 1 | HOUSING | LCP | UL94V-0, WHITE |

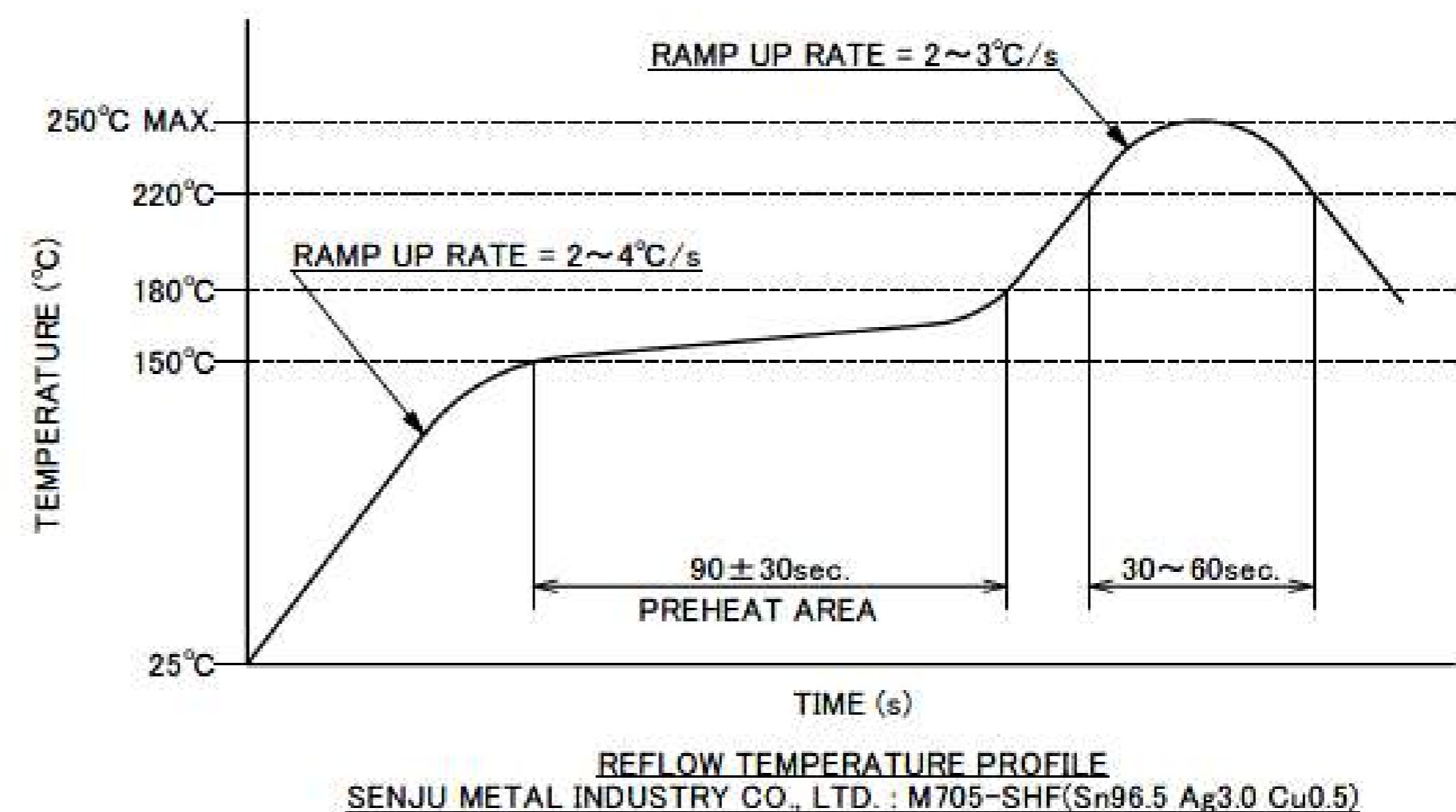
- *LENGTH: 4.0±0.4 AT PLUG PART NO. 20670-001R-08, 20670-001R-13, 20670-001R-32
4.7±0.4 AT PLUG PART NO. 20670-001R-18, 20670-001R-37
5.6 AT PLUG PART NO. 20767-001R-20 (REFERENCE DIMENSION)
3.8±0.3 AT PLUG PART NO. 20686-001R-08, 20311-011R-**-**
- *MATING HEIGHT: 2.5 MAX. AT PLUG PART NO. 20670-001R-**-**
(2.9 MAX. AT MHF I LK LOCKED CONDITION)
3.0 MAX. AT PLUG PART NO. 20767-001R-20
2.0±0.1 AT PLUG PART NO. 20686-001R-08, 20311-011R-**-**

MATING CONDITION

Rev.29



CONNECTOR ON RECOMMENDED FOOTPRINT PATTERN



REFLOW TEMPERATURE PROFILE
SENJU METAL INDUSTRY CO., LTD. : M705-SHF(Sn96.5 Ag3.0 Cu0.5)

- NOTES.
- CUT OUT PROHIBITION AREA

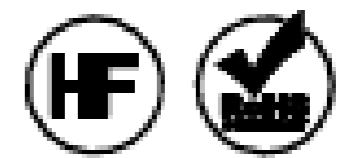
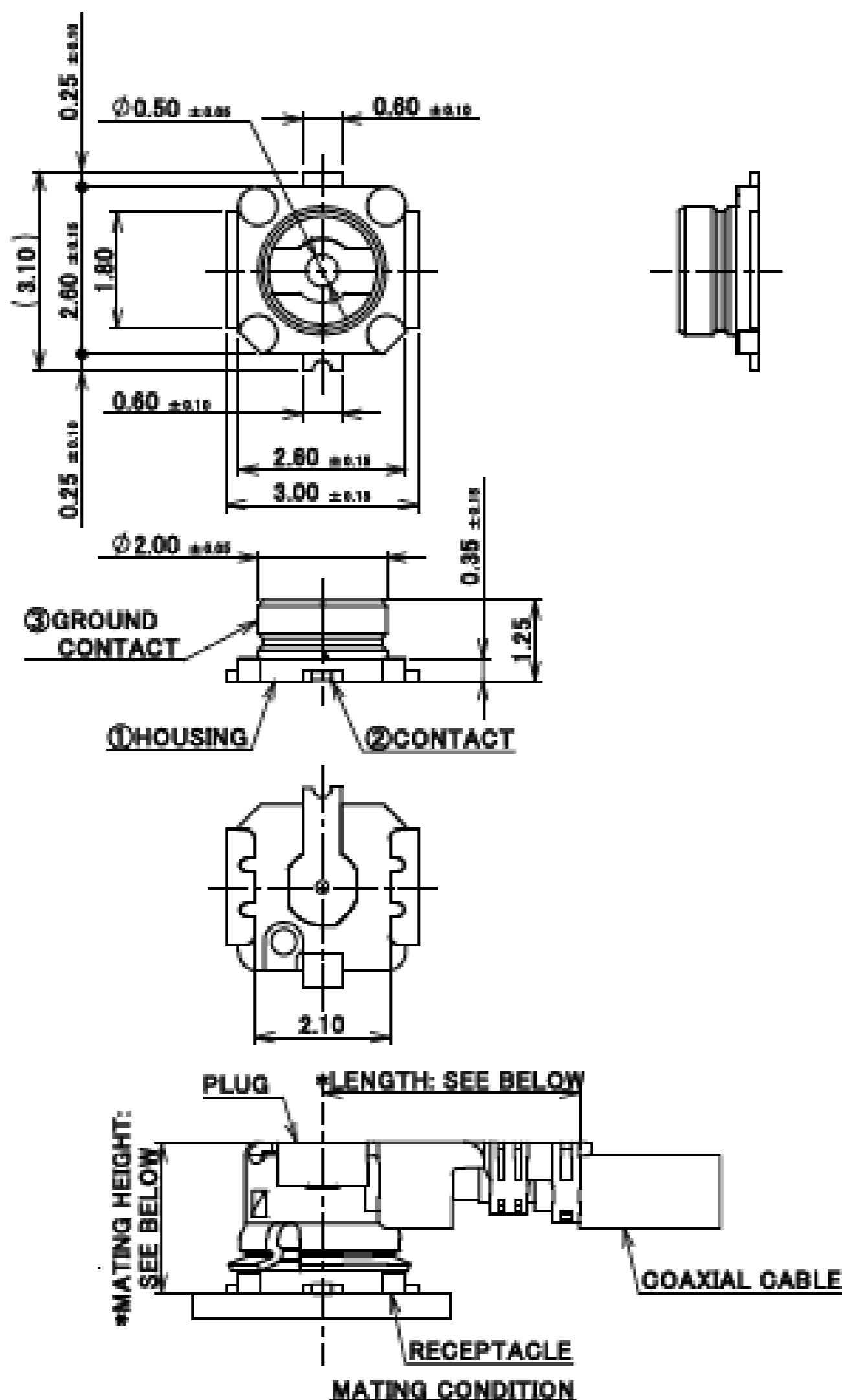
MHF® I Receptacle

| ITEMS | SPECIFICATION | | |
|--|--|---|---|
| | RECOMMENDED APPLICABLE CONNECTOR PART NO. | 20670-001R-** (MHF I PLUG Ni TOP 1.80, 1.37, 1.32, 1.13, 0.81) | 20767-001R-20 (MHF I PLUG 2.00) |
| RATING VOLTAGE | 60 V AC (R.M.S) | | |
| RATING FREQUENCY | DC~9GHz | | |
| OPERATING TEMPERATURE | 233~363K (-40°C~+90°C) | | |
| VSWR (MATED WITH SMA ADAPTER PART No.90193-002) | RECEPTACLE: 1.30 MAX. AT 0.1~3 GHz, 1.40 MAX. AT 3~6 GHz, 1.80 MAX. AT 6~9 GHz | | |
| MAIN CONTACT RESISTANCE | INITIAL: 20 mohm MAX. / AFTER TEST: \angle R 20 mohm MAX. | | |
| GROUND CONTACT RESISTANCE | INITIAL: 20 mohm MAX. / AFTER TEST: \angle R 100 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) | INITIAL: 5 N MIN. AFTER TEST: 3 N MIN. | | INITIAL: 4 N MIN. AFTER TEST: 2 N MIN. |
| PRODUCT SPECIFICATION | PRS-2105 | PRS-2490 | PRS-2106 |
| TEST REPORT | TR-15059 | TR-18041 | TR-15060 |
| PACKING STANDARD | 20279-001E-01: 300-232 (CORRUGATED PAPER REEL) PST-12002 (ANTI-STATIC PLASTIC REEL) 20279-001E-03: 300-850 20279-001E-05: PST-13040 20279-001E-06: PST-13040 | | |
| INSTRUCTION MANUAL | HIM-10002 | | HIM-12010 |
| APPEARANCE CRITERIA No. | QLS-A*** | | |

※UNLESS OTHERWISE SPECIFIED, 20279-001E-01 WILL DERIVED IN CORRUGATED PAPER REELS.
CONTACT YOUR I-PEX SALES IF YOU WISH FOR PLASTIC REELS.

Rev.29

| | |
|-----------------|---------------|
| Recommended P/N | 20431-001E-01 |
| PART No. | 20431-001E-01 |



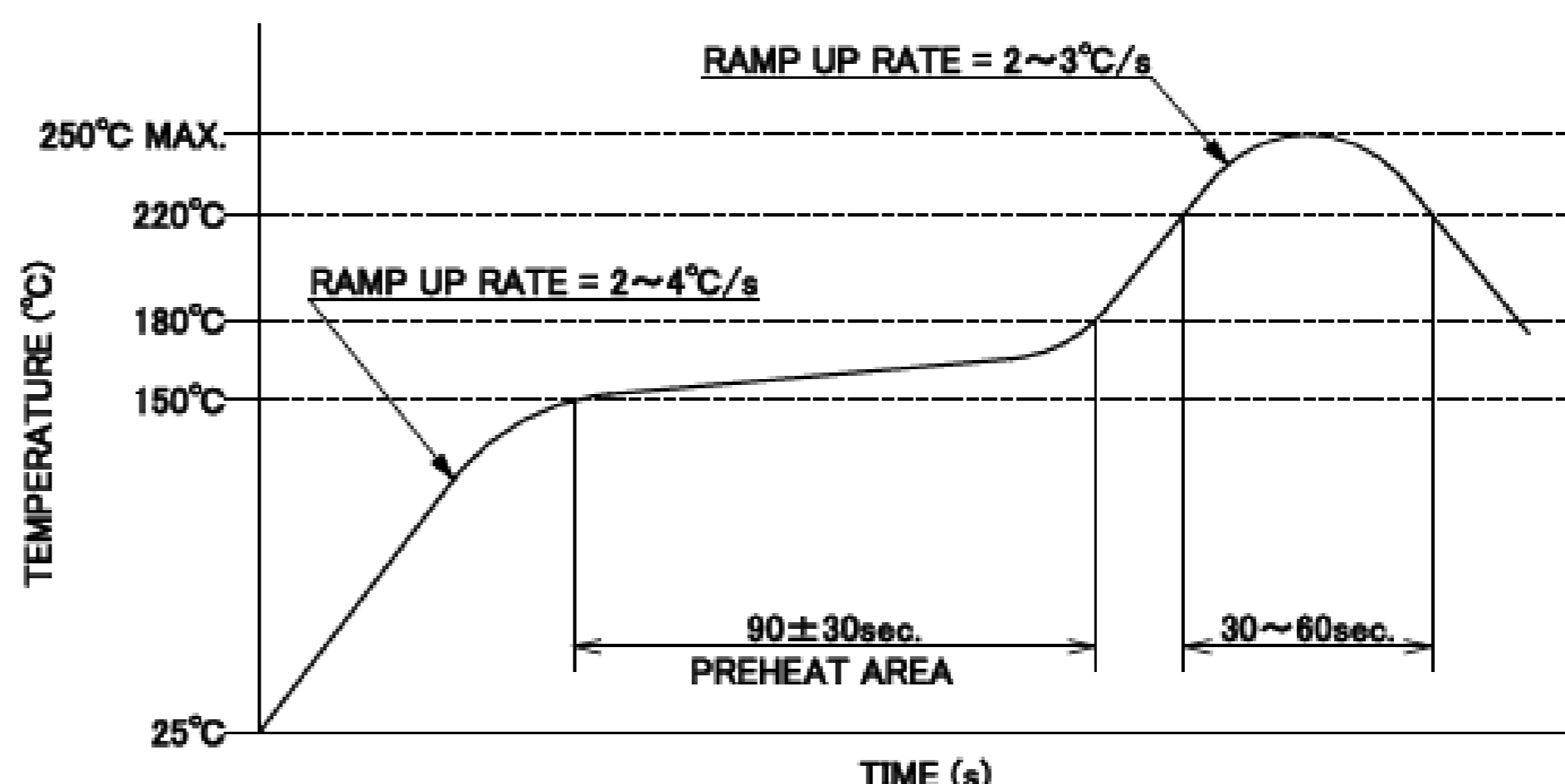
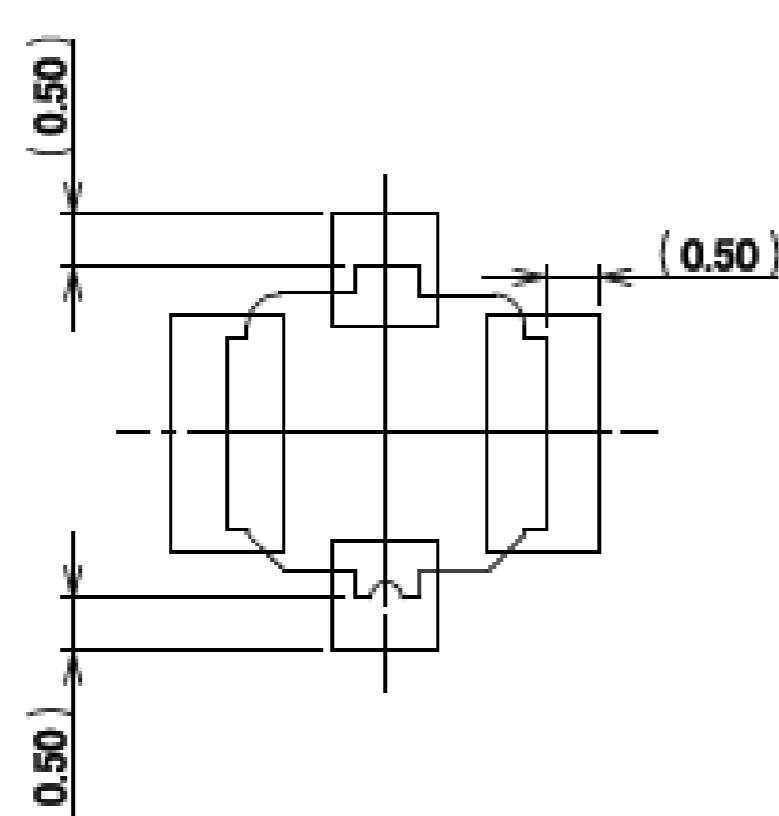
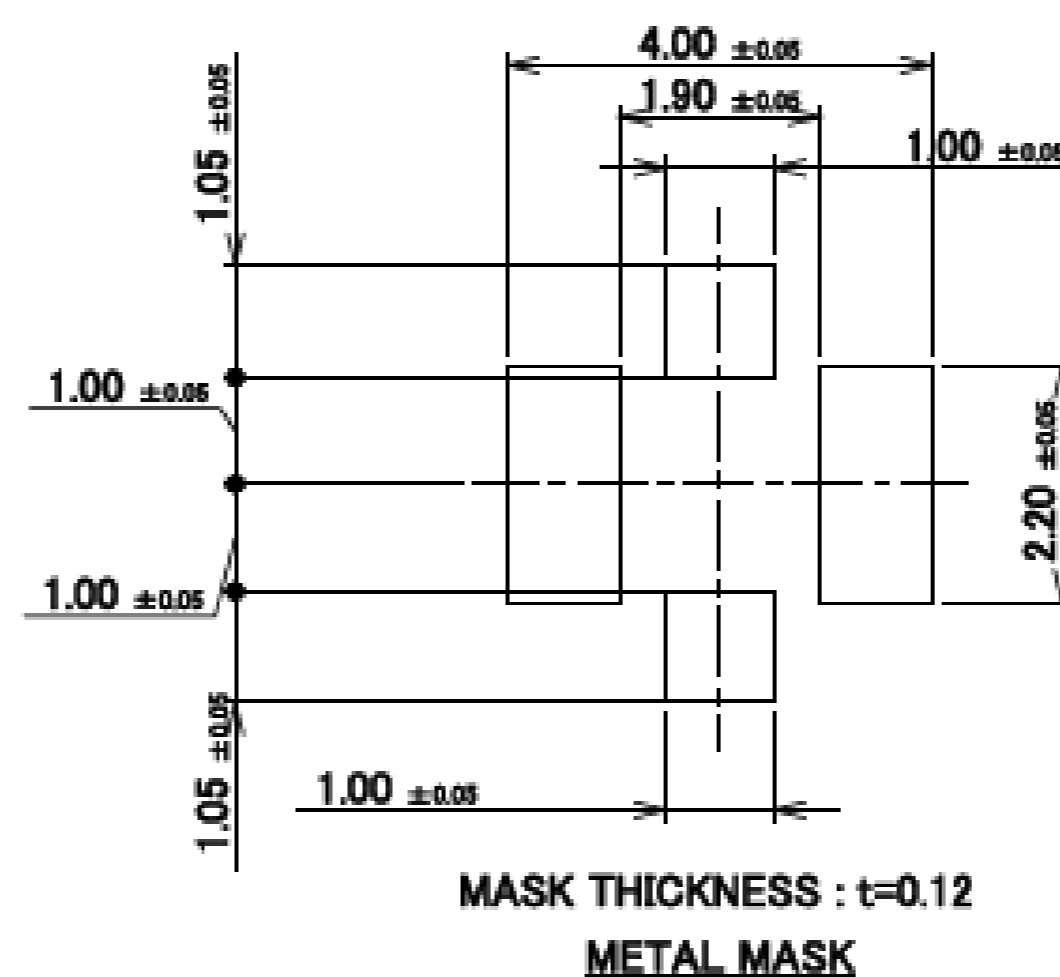
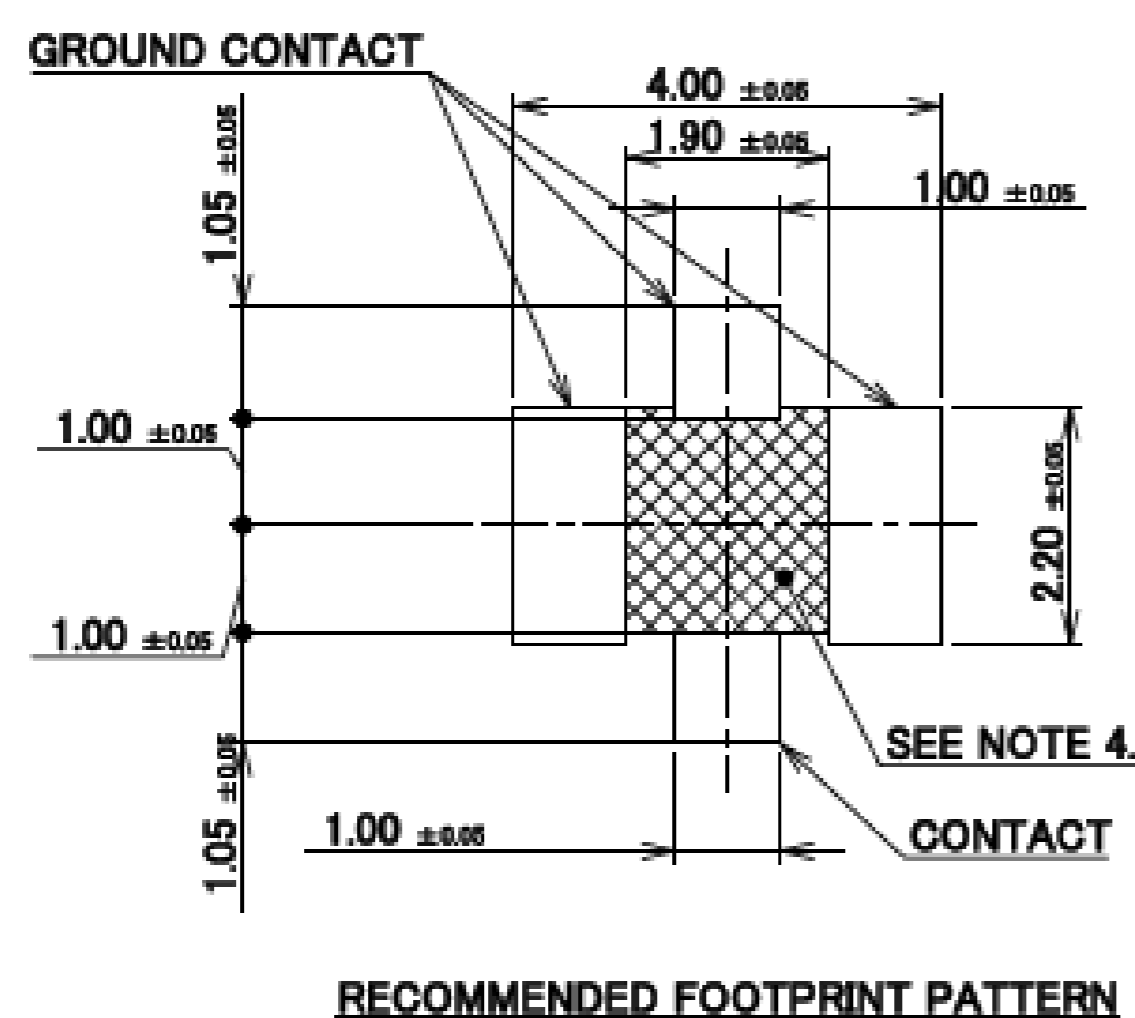
- NOTES.
- APPLICABLE CONNECTOR PART NUMBER:
MHF I PLUG
20278-112R-**
20351-1**R-37
20670-001R-**
20767-001R-20
MHF II PLUG
20311-011R-**
20686-001R-08
 - COPLANARITY: 0.1mm MAX.
 - THIS IS "Pb-FREE" CONNECTOR.

| NO. | DISCRIPTION | MATERIAL | FINISH . REMARKS |
|-----|----------------|-----------------|--|
| 3 | GROUND CONTACT | PHOSPHOR BRONZE | ALL OVER Ni 1.00 μm MIN. CONTACT PART Au 0.03 μm MIN. SOLDERING PART Au 0.03 μm MIN. |
| 2 | CONTACT | BRASS | ALL OVER Ni 1.00 μm MIN. CONTACT PART Au 0.10 μm MIN. SOLDERING PART Au 0.03 μm MIN. |
| 1 | HOUSING | LOP | UL94V-0, WHITE |

- *LENGTH: 4.0±0.4 AT PLUG PART NO. 20670-001R-08, 20670-001R-13, 20670-001R-32
4.7±0.4 AT PLUG PART NO. 20670-001R-18, 20670-001R-37
5.6 AT PLUG PART NO. 20767-001R-20 (REFERENCE DIMENSION)
3.8±0.3 AT PLUG PART NO. 20686-001R-08, 20311-011R-**
- *MATING HEIGHT: 2.5 MAX. AT PLUG PART NO. 20670-001R-**
3.0 MAX. AT PLUG PART NO. 20767-001R-20
2.0±0.1 AT PLUG PART NO. 20686-001R-08, 20311-011R-**

Rev.4

MHF® I Receptacle



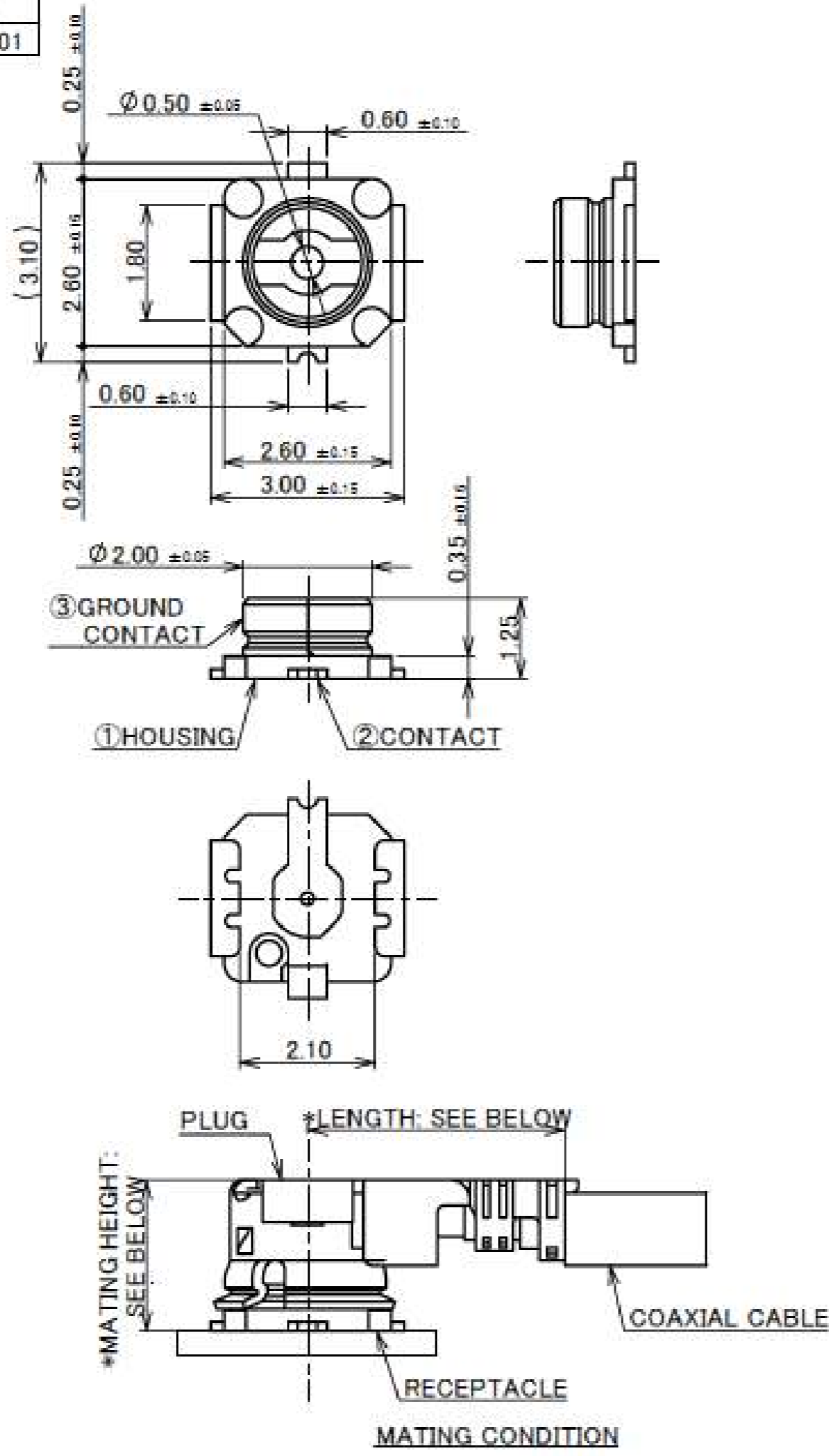
Rev.4

| ITEMS | SPECIFICATION | |
|---|---|--|
| RECOMMENDED APPLICABLE CONNECTOR PART NO. | 20670-001R-** (MHF I PLUG Ni TOP (1.80, 1.37, 1.32, 1.13, 0.81)) | 20686-001R-08 (MHF II PLUG Ni TOP (0.81)) |
| RATING VOLTAGE | 60 V AC (R.M.S) | |
| RATING FREQUENCY | DC~9GHz | |
| OPERATING TEMPERATURE | 233~363K (-40°C~+90°C) | |
| VSWR | RECEPTACLE: 1.3 MAX AT 0.1~3 GHz, 1.4 MAX AT 3~6 GHz, 1.8 MAX. AT 6~9 GHz | |
| MAIN CONTACT RESISTANCE | INITIAL: 20 mohm MAX. / AFTER TEST: Δ R 20 mohm MAX. | |
| GROUND CONTACT RESISTANCE | INITIAL: 20 mohm MAX. / AFTER TEST: Δ R 100 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) | INITIAL: 5 N MIN. AFTER TEST: 3 N MIN. | INITIAL: 4 N MIN. AFTER TEST: 2 N MIN. |
| PRODUCT SPECIFICATION | PRS-2105 | PRS-2106 |
| TEST REPORT | TR-15059 | TR-15060 |
| PACKING STANDARD | PST-17011 | |
| INSTRUCTION MANUAL | HIM-10002 | HIM-12010 |
| APPEARANCE CRITERIA No. | QLS-A*** | |

Rev.4

MHF® I Receptacle

| | |
|-----------------|---------------|
| Recommended P/N | 20441-001E-01 |
| PART No. | 20441-001E-01 |

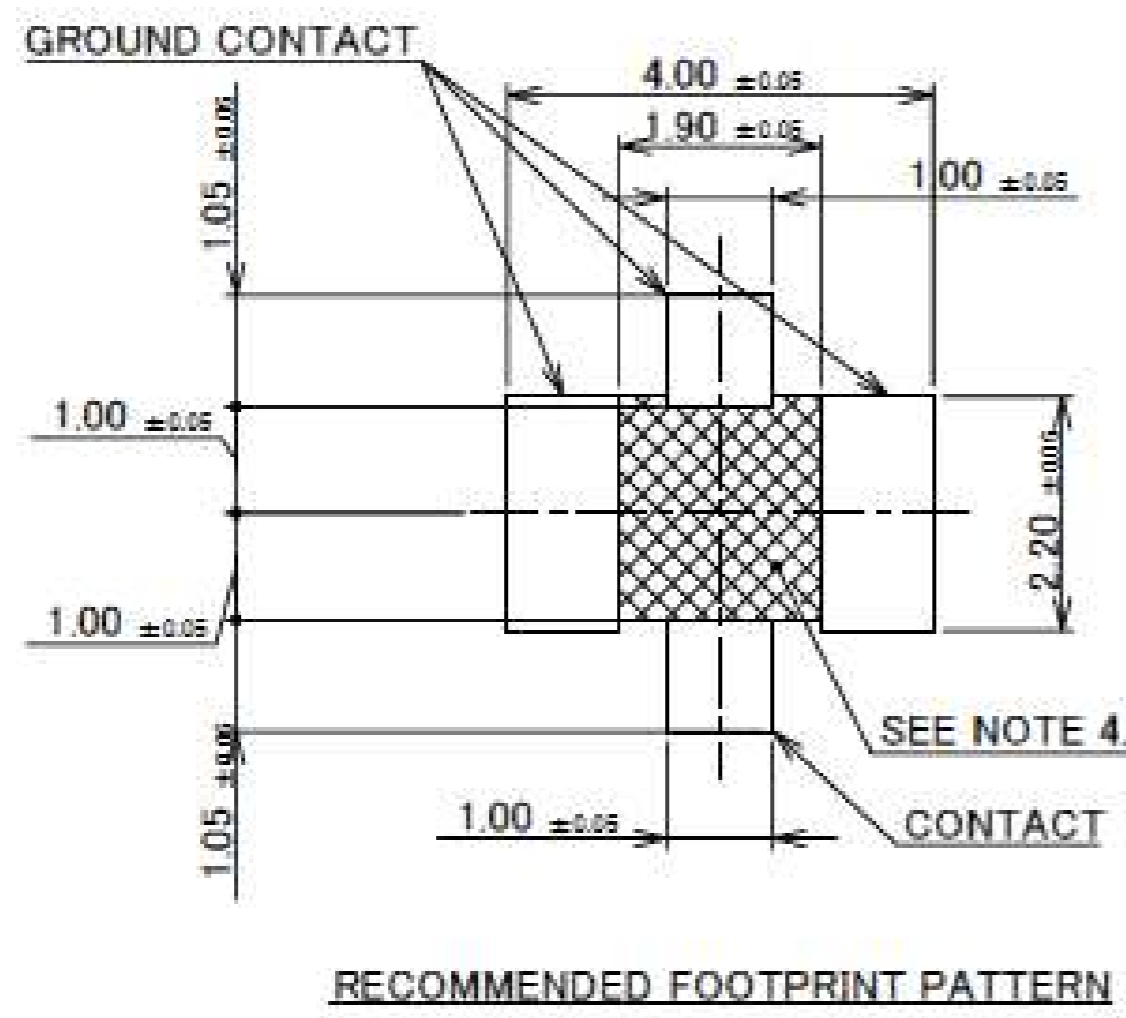


- NOTES.
- APPLICABLE CONNECTOR PART NUMBER:
MHF I PLUG
20278-112R-**-
20351-1**R-37
20670-001R-**-
20767-001R-20
MHF II PLUG
20311-011R-**-
20686-001R-08
 - COPLANARITY: 0.1mm MAX.
 - THIS IS "Pb-FREE" CONNECTOR.

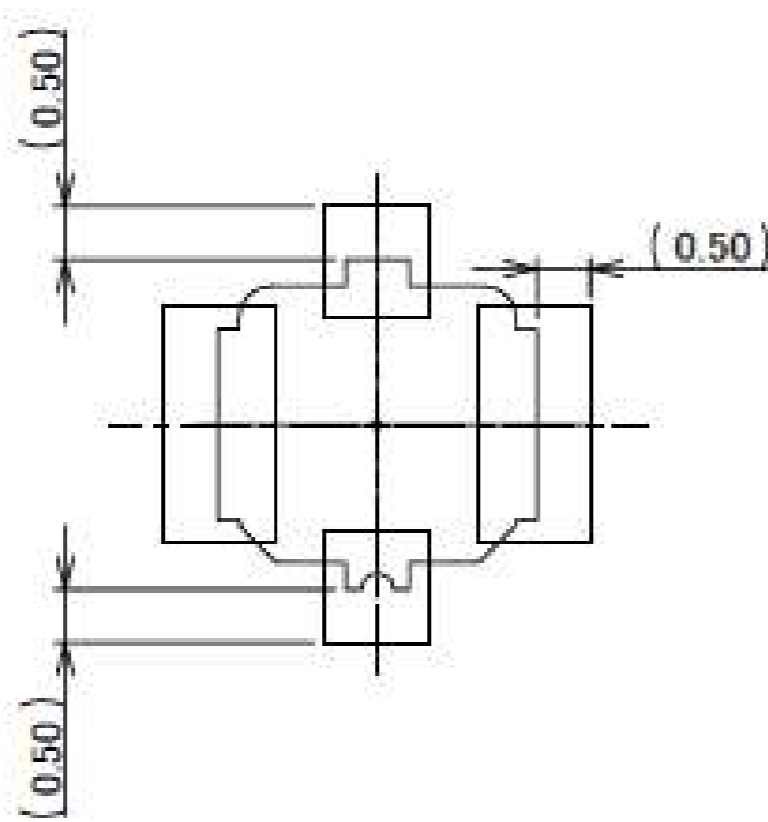
| NO. | DISCRIPTION | MATERIAL | FINISH . REMARKS |
|-----|----------------|-----------------|--|
| 3 | GROUND CONTACT | PHOSPHOR BRONZE | ALL OVER Ni 1.00 μm MIN. CONTACT PART Au 0.03 μm MIN. SOLDERING PART Au 0.03 μm MIN. |
| 2 | CONTACT | BRASS | ALL OVER Ni 1.00 μm MIN. CONTACT PART Au 0.10 μm MIN. SOLDERING PART Au 0.03 μm MIN. |
| 1 | HOUSING | LCP | UL94V-0, BLACK |

- *LENGTH: 4.0 ± 0.4 AT PLUG PART NO. 20670-001R-08, 20670-001R-13, 20670-001R-32
4.7 ± 0.4 AT PLUG PART NO. 20670-001R-18, 20670-001R-37
5.6 AT PLUG PART NO. 20767-001R-20 (REFERENCE DIMENSION)
3.8 ± 0.3 AT PLUG PART NO. 20686-001R-08, 20311-011R-**-
- *MATING HEIGHT: 2.5 MAX. AT PLUG PART NO. 20670-001R-**-
3.0 MAX. AT PLUG PART NO. 20767-001R-20
2.0 ± 0.1 AT PLUG PART NO. 20686-001R-08, 20311-011R-**-

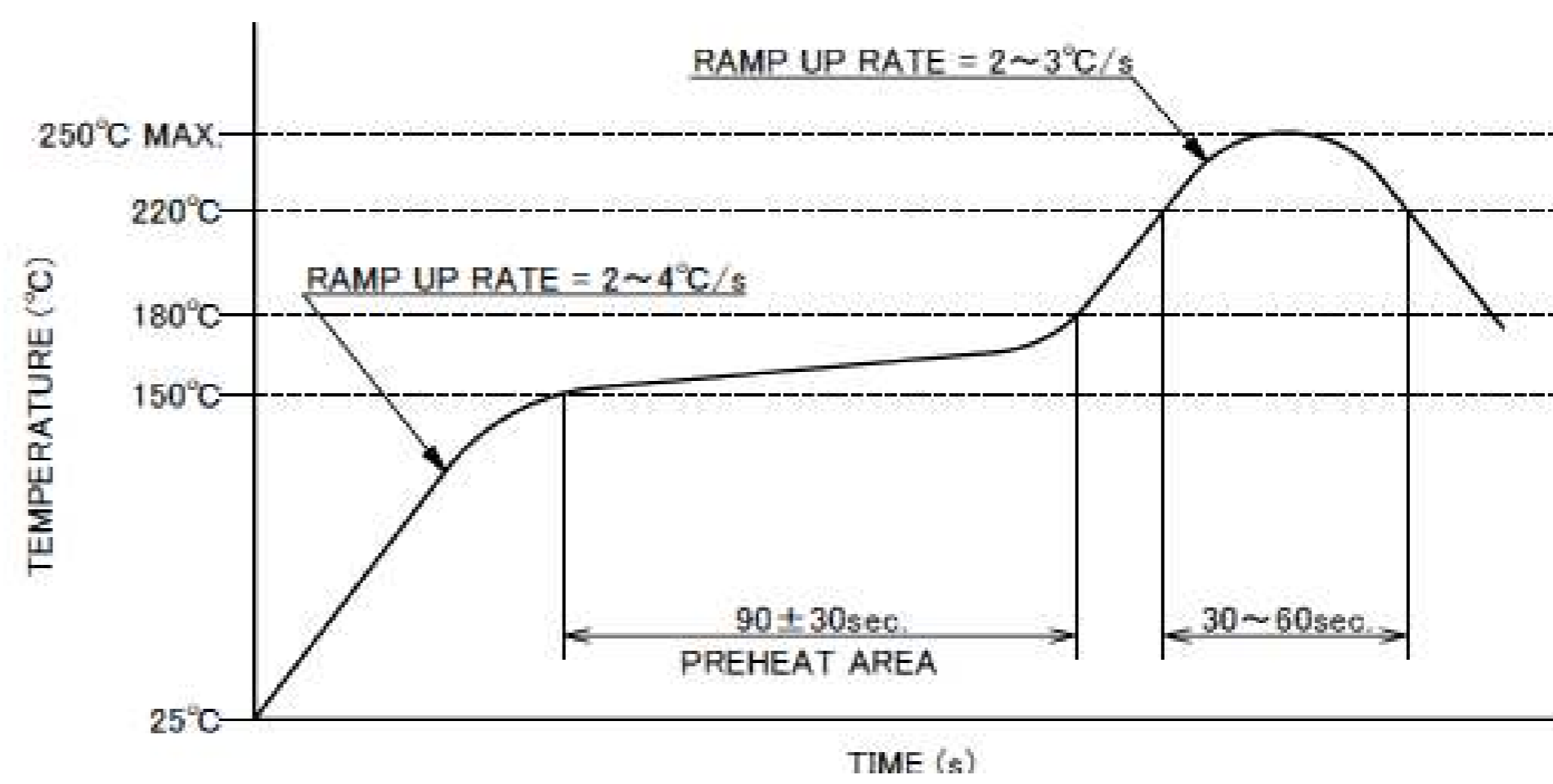
Rev.5



RECOMMENDED FOOTPRINT PATTERN



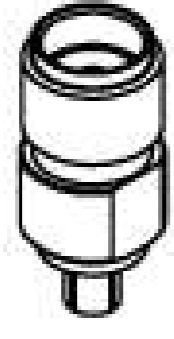
CONNECTOR ON RECOMMENDED FOOTPRINT PATTERN



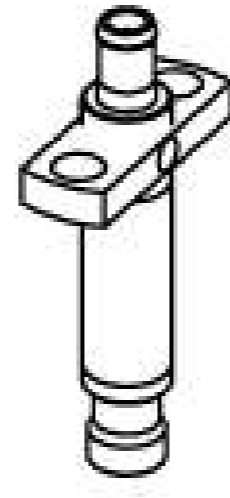
- NOTES.
- CUT OUT PROHIBITION AREA

Rev.5

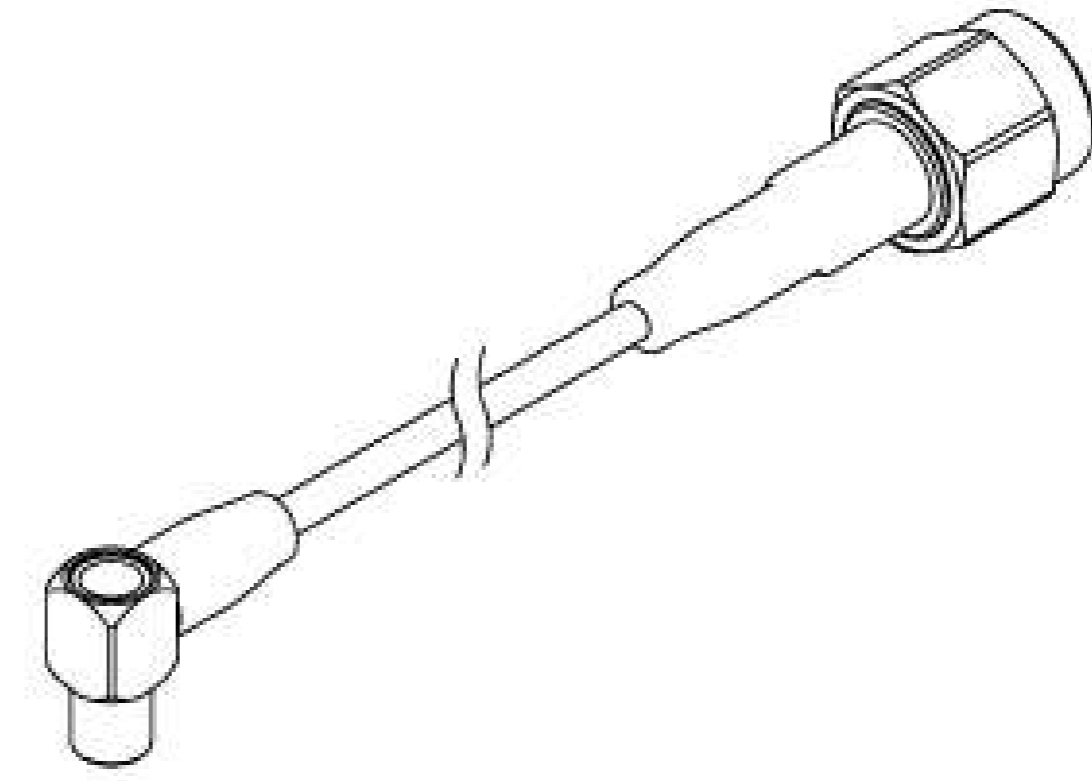
Accessories for MHF® I Receptacle



MHF I/II SMA ADAPTOR
PART NO. 90193-002



4.5MM HIGH CYCLE TEST PROBE FOR MHF/MHF A
PART NO. 90575-0001



4.5MM HIGH CYCLE TEST PROBE CABLE ASS'Y
PART NO. 90577-****

* 90575-0001 AND 90577-**** SHOULD BE USED TOGETHER.

Rev.29

MHF® I Receptacle

| ITEMS | SPECIFICATION | |
|---|---|--|
| RECOMMENDED APPLICABLE CONNECTOR PART NO. | 20670-001R-** (MHF I PLUG Ni TOP (1.80, 1.37, 1.32, 1.13, 0.81)) | 20686-001R-08 (MHF II PLUG Ni TOP (0.81)) |
| RATING VOLTAGE | 60 V AC (R.M.S) | |
| RATING FREQUENCY | DC~9GHz | |
| OPERATING TEMPERATURE | 233~363K (-40°C~+90°C) | |
| VSWR | RECEPTACLE: 1.3 MAX AT 0.1~3 GHz, 1.4 MAX AT 3~6 GHz, 1.8 MAX. AT 6~9 GHz | |
| MAIN CONTACT RESISTANCE | INITIAL: 20 mohm MAX. / AFTER TEST: Δ R 20 mohm MAX. | |
| GROUND CONTACT RESISTANCE | INITIAL: 20 mohm MAX. / AFTER TEST: Δ R 100 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) | INITIAL: 5 N MIN. AFTER TEST: 3 N MIN. | INITIAL: 4 N MIN. AFTER TEST: 2 N MIN. |
| PRODUCT SPECIFICATION | PRS-2105 | PRS-2106 |
| TEST REPORT | TR-15059 | TR-15060 |
| PACKING STANDARD | 300-596 | |
| INSTRUCTION MANUAL | HIM-10002 | HIM-12010 |
| APPEARANCE CRITERIA No. | QLS-A*** | |

Rev.5

Board to Board



High-Density



Autolocking FPC/FFC



High-Density



FPC/FFC



Micro-Coaxial / Discrete Cable



High-Speed



RF



High-Frequency



Optical Module



High-Speed



Effector



Power



High-Power



I/O (Input/Output)



Quick charge



Inquiry



Custom Connectors Available



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