

List of "HFW__R-1/2STE1HLF" customer document

| DOCUMENT NO. | LIST |
|------------------|---|
| 10089213(sheet1) | DOCUMENT LIST |
| 10089213(sheet2) | CAT.NO.TABLE FOR 1mm SPACING SMT CONNECTOR (HFW__R-1/2ST_HLF) |
| 10089213(sheet3) | 1mm SPACING SURFACE MOUNT FPC/FFC CONNECCTOR (HFW__R-1ST_HLF) |
| 10089213(sheet4) | 1mm SPACING SURFACE MOUNT FPC/FFC CONNECCTOR (HFW__R-2ST_HLF) |
| 10089213(sheet5) | CAT.NO.TABLE FOR PLASTIC TAPE PACKAGED 1mm SPACING SMT CONN.(HFW__R-1/2STE1HLF) |
| 10089213(sheet6) | 1mm SPACING SMT CONNECTOR (HFW__R-1STE1HLF) |
| 10089213(sheet7) | 1mm SPACING SMT CONNECTOR (HFW__R-2STE1HLF) |
| 10089213(sheet8) | RECOMMENDED CABLE (FPC) (HFW__R-1/2__) |
| 10089213(sheet9) | RECOMMENDED CABLE (FFC) (HFW__R-1/2__) |
| GS-12-563 | PRODUCT SPEC. |
| BJM-HFWR101 | HANDLING PROCEDURES |



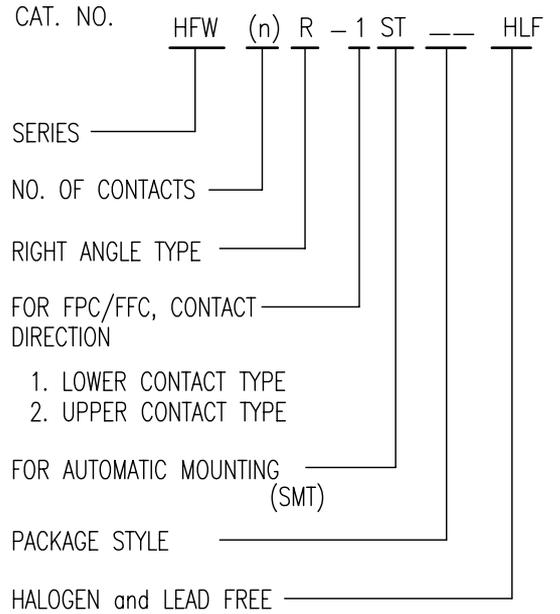
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| | | | | | | | | | | | | | | |
|--------------------------|--|----------------|--|--|---|---|------------|---|--|---|--------------|---|------|--------|
| mat'l. code | | | | surface 58 / tolerance ISO 1302 <input checked="" type="checkbox"/> ISO 406 ISO 1101 | | | projection | | product family 58NF | | | | | |
| ltr ecn no dr date | | | | tolerances unless otherwise specified | | | mm | | title | | | | | |
| A S08-0199 DGOH 08/06/26 | | | | angles linear | | | | | 1mm SPACING FPC/FFC CONNECTOR DOCUMENT LIST (Cat. No. : HFW__R-1/2STE1HLF) | | | | | |
| | | | | dr H. TAKAKURA 06/10/23 | | | | | dwg no | | sheet 1 of 9 | | size | |
| | | | | enr DENNIS GOH 08/06/26 | | | | | 10089213 | | A4 | | | |
| | | | | chr DENNIS GOH 08/06/26 | | | | | type Product Customer Drawing | | | | | |
| sheet index | | revision sheet | | A | A | A | A | A | A | A | A | A | A | Rev. A |
| | | | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | | |

CAT. NO. & DIMENSIONS

| (NOTE3) | NO. OF CONTACTS (n) | CAT. NO. | DIMENSIONS (NOTE2) | | |
|---------|---------------------|-------------------|--------------------|---------|---------|
| | | | A ± 0.2 | B ± 0.2 | C ± 0.1 |
| | 4 | HFW4R-1/2ST__HLF | 6.6 | 3 | 5.14 |
| | 5 | HFW5R-1/2ST__HLF | 7.6 | 4 | 6.14 |
| | 6 | HFW6R-1/2ST__HLF | 8.6 | 5 | 7.14 |
| | 7 | HFW7R-1/2ST__HLF | 9.6 | 6 | 8.14 |
| | 8 | HFW8R-1/2ST__HLF | 10.6 | 7 | 9.14 |
| | 9 | HFW9R-1/2ST__HLF | 11.6 | 8 | 10.14 |
| | 10 | HFW10R-1/2ST__HLF | 12.6 | 9 | 11.14 |
| | 11 | HFW11R-1/2ST__HLF | 13.6 | 10 | 12.14 |
| | 12 | HFW12R-1/2ST__HLF | 14.6 | 11 | 13.14 |
| | 13 | HFW13R-1/2ST__HLF | 15.6 | 12 | 14.14 |
| | 14 | HFW14R-1/2ST__HLF | 16.6 | 13 | 15.14 |
| | 15 | HFW15R-1/2ST__HLF | 17.6 | 14 | 16.14 |
| | 16 | HFW16R-1/2ST__HLF | 18.6 | 15 | 17.14 |
| | 17 | HFW17R-1/2ST__HLF | 19.6 | 16 | 18.14 |
| | 18 | HFW18R-1/2ST__HLF | 20.6 | 17 | 19.14 |
| | 19 | HFW19R-1/2ST__HLF | 21.6 | 18 | 20.14 |
| | 20 | HFW20R-1/2ST__HLF | 22.6 | 19 | 21.14 |
| | 21 | HFW21R-1/2ST__HLF | 23.6 | 20 | 22.14 |
| | 22 | HFW22R-1/2ST__HLF | 24.6 | 21 | 23.14 |
| | 23 | HFW23R-1/2ST__HLF | 25.6 | 22 | 24.14 |
| | 24 | HFW24R-1/2ST__HLF | 26.6 | 23 | 25.14 |
| | 25 | HFW25R-1/2ST__HLF | 27.6 | 24 | 26.14 |
| | 26 | HFW26R-1/2ST__HLF | 28.6 | 25 | 27.14 |
| | 27 | HFW27R-1/2ST__HLF | 29.6 | 26 | 28.14 |
| * | 28 | HFW28R-1/2ST__HLF | 30.6 | 27 | 29.14 |
| * | 29 | HFW29R-1/2ST__HLF | 31.6 | 28 | 30.14 |
| | 30 | HFW30R-1/2ST__HLF | 32.6 | 29 | 31.14 |



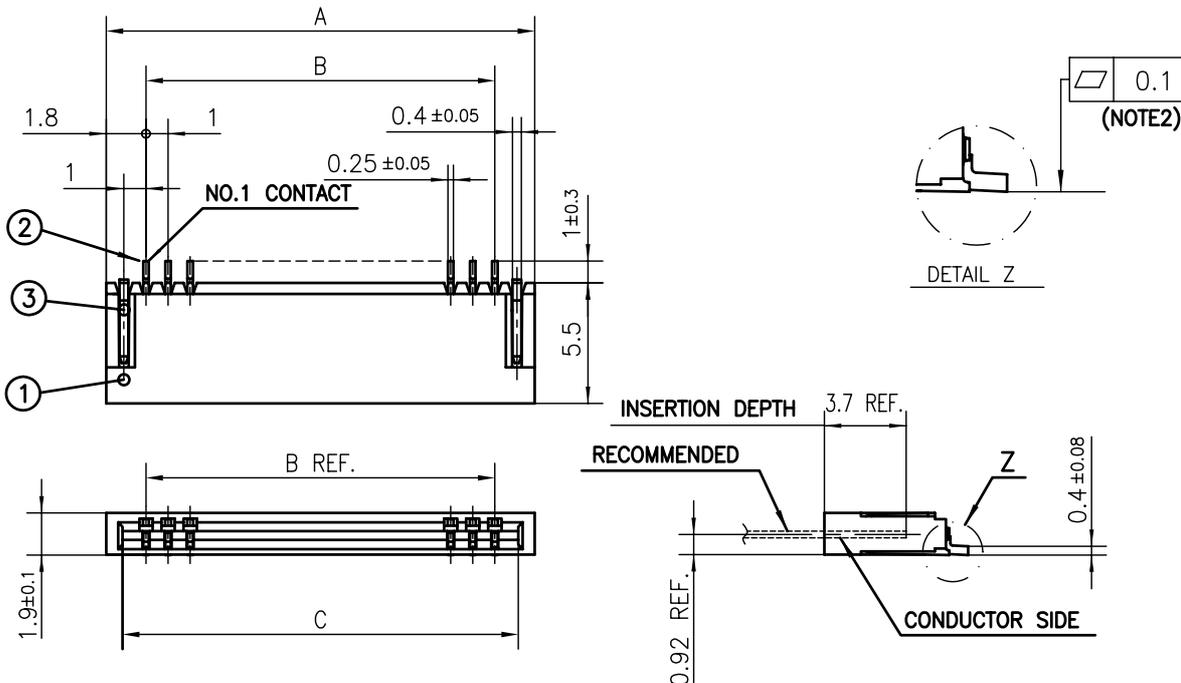
NOTES

1. THIS PRODUCT IS THE CONNECTOR DESIGNED TO TERMINATE FPC/FFC AND COPE WITH AUTOMATIC MOUNTING (SMT).
2. SEE PART DRAWINGS FOR DIMENSIONS A~C.
3. PLEASE CONSULT US IN CASE OF USING PARTS WITH * MARK.



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| | | | | | | | | | | | | | |
|-------------|--|----------------|--|--|--|------------|--|---------------------|--|-------------------------------|--|---|--|
| mat'l. code | | | | surface 58 / tolerance ISO 1302 / ISO 406 / ISO 1101 | | projection | | product family 58NF | | | | | |
| ltr A | | | | ecn no | | dr | | date | | title | | CAT. NO. TABLE FOR 1mm SPACING SMT CONNECTOR (Cat. No. HFW__R-1/2ST__HLF) | |
| angles | | | | linear | | mm | | scale | | dwg no 10089213 | | sheet 2 of 9 size A4 | |
| dr | | | | H. TAKAKURA | | 06/10/23 | | FCI | | type Product Customer Drawing | | Rev. A | |
| enr | | | | DENNIS GOH | | 08/06/26 | | | | | | | |
| chr | | | | DENNIS GOH | | 08/06/26 | | | | | | | |
| appd | | | | JOEY NG | | 08/06/26 | | | | | | | |
| sheet index | | revision sheet | | | | | | | | | | | |



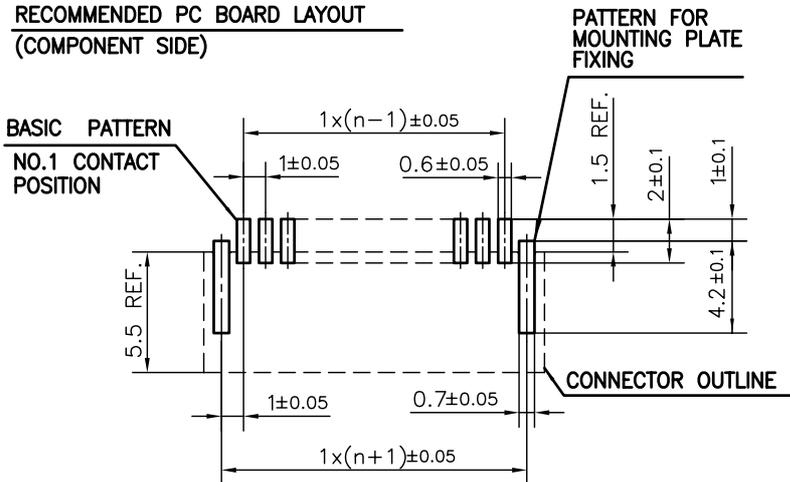
| PT. NO. | PARTS NAME | MATERIAL | Q'TY | NOTE |
|---------|----------------|---------------------------------------|------|----------------------------|
| 1 | HOUSING | PA6T RESIN GLASS REINFORCED (UL94V-0) | 1 | COLOR:BLACK (HALOGEN FREE) |
| 2 | CONTACT | PHOSPHOR BRONZE | n | PLATING:TIN |
| 3 | MOUNTING PLATE | | 2 | (LEAD FREE) |

n : NO. OF CONTACTS

NOTES

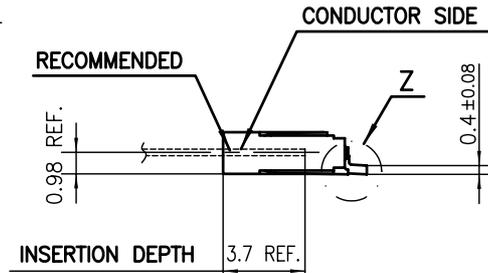
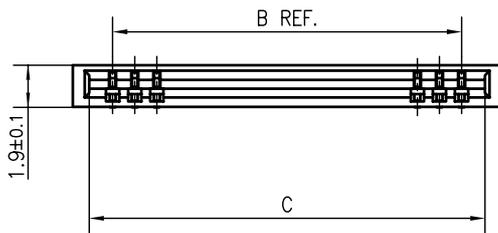
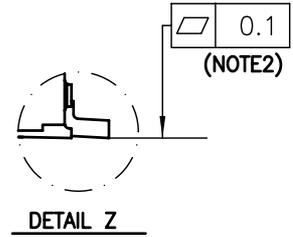
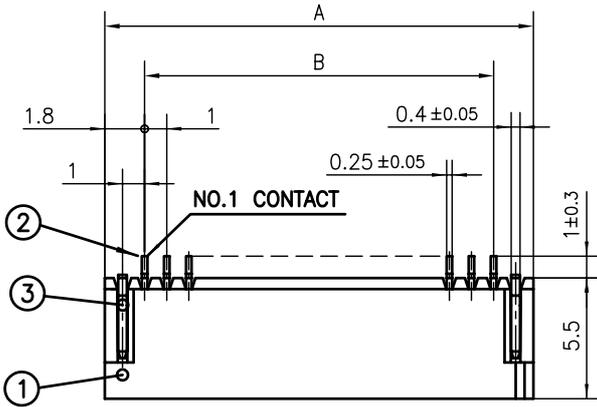
1. THIS PRODUCT IS THE CONNECTOR DESIGNED TO TERMINATE FPC/FFC AND COPES WITH AUTOMATIC MOUNTING (SMT).
2. FLATNESS OF CONTACT TERMINAL FOR HOUSING MUST BE WITHIN TOLERANCE IN Z PORTION DETAILED DRAWING.
3. THIS PRODUCT IS LOWER CONTACT TYPE CONNECTOR.
4. THIS PRODUCT MEETS EUROPEAN UNION DIRECTIVES AND OTHER COUNTRY REGULATIONS AS DESCRIBED IN GS-22-008
5. THE HOUSING WILL WITHSTAND EXPOSURE TO 260°C PEAK TEMPERATURE FOR 10 SECONDS IN A REFLOW SOLDERING OVEN.

RECOMMENDED PC BOARD LAYOUT (COMPONENT SIDE)



| | | | | | | | |
|-------------------------------|--|--|--|--|--|---|--|
| mat'l. code | | surface 58 / tolerance ISO 1302 / ISO 406 / ISO 1101 | | projection | | product family 58NF | |
| ltr A | | ecn no | | dr | | date | |
| angles | | linear | | tolerances unless otherwise specified ±0.2 | | title | |
| scale | | mm | | mm | | 1mm SPACING SURFACE MOUNT FPC/FFC CONNECTOR (Cat.No. HFW__R-1ST__HLF) | |
| dr H. TAKAKURA | | 06/10/23 | | engr DENNIS GOH | | 08/06/26 | |
| chr DENNIS GOH | | 08/06/26 | | appd JOEY NG | | 08/06/26 | |
| sheet index | | revision sheet | | dwg no 10089213 | | sheet 3 of 9 size A4 | |
| type Product Customer Drawing | | Rev. A | | | | | |

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| PT. NO. | PARTS NAME | MATERIAL | Q'TY | NOTE |
|---------|----------------|---------------------------------------|------|-------------------------------|
| 1 | HOUSING | PA6T RESIN GLASS REINFORCED (UL94V-0) | 1 | COLOR:BLACK (HALOGEN FREE) |
| 2 | CONTACT | PHOSPHOR BRONZE | n | PLATING:TIN |
| 3 | MOUNTING PLATE | | 2 | (LEAD FREE) |

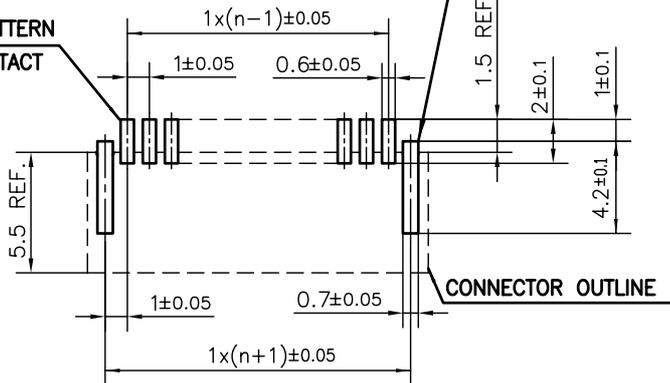
n : NO. OF CONTACTS

NOTES

1. THIS PRODUCT IS THE CONNECTOR DESIGNED TO TERMINATE FPC/FFC AND COPES WITH AUTOMATIC MOUNTING (SMT).
2. FLATNESS OF CONTACT TERMINAL FOR HOUSING MUST BE WITHIN TOLERANCE IN Z PORTION DETAILED DRAWING.
3. THIS PRODUCT IS UPPER CONTACT TYPE CONNECTOR.
4. THIS PRODUCT MEETS EUROPEAN UNION DIRECTIVES AND OTHER COUNTRY REGULATIONS AS DESCRIBED IN GS-22-008
5. THE HOUSING WILL WITHSTAND EXPOSURE TO 260°C PEAK TEMPERATURE FOR 10 SECONDS IN A REFLOW SOLDERING OVEN.

RECOMMENDED PC BOARD LAYOUT (COMPONENT SIDE)

BASIC PATTERN NO.1 CONTACT POSITION



| | | | | | | | |
|---------------------------------------|--|--|--|-------------------------------|--|--|--|
| mat'l. code | | surface 58 / tolerance ISO 1302 / ISO 406 / ISO 1101 | | projection | | product family 58NF | |
| ltr | | ecn no | | dr | | date | |
| A | | | | | | | |
| tolerances unless otherwise specified | | angles linear | | mm | | title | |
| ±0.2 | | | | scale | | 1mm SPACING SURFACE MOUNT FPC/FFC CONNECTOR (Cat. No. HFW__R-2ST__HLF) | |
| dr H. TAKAKURA 06/10/23 | | enr DENNIS GOH 08/06/26 | | chr DENNIS GOH 08/06/26 | | appd JOEY NG 08/06/26 | |
| sheet index | | revision sheet | | dwg no 10089213 | | sheet 4 of 9 size A4 | |
| | | | | type Product Customer Drawing | | Rev. A | |

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CAT. NO. & DIMENSIONS

| (NOTE4) | NO. OF CONTACTS (n) | CAT. NO. (NOTE2) | DIMENSIONS (NOTE3) | | |
|---------|---------------------|-------------------|--------------------|---------|---------|
| | | | E ± 5 | F ± 0.3 | G ± 0.1 |
| | 4 | HFW4R-1/2STE1HLF | 28.4 | 24 | — |
| | 5 | HFW5R-1/2STE1HLF | 28.4 | 24 | — |
| | 6 | HFW6R-1/2STE1HLF | 28.4 | 24 | — |
| | 7 | HFW7R-1/2STE1HLF | 28.4 | 24 | — |
| | 8 | HFW8R-1/2STE1HLF | 28.4 | 24 | — |
| | 9 | HFW9R-1/2STE1HLF | 28.4 | 24 | — |
| | 10 | HFW10R-1/2STE1HLF | 28.4 | 24 | — |
| | 11 | HFW11R-1/2STE1HLF | 28.4 | 24 | — |
| | 12 | HFW12R-1/2STE1HLF | 28.4 | 24 | — |
| | 13 | HFW13R-1/2STE1HLF | 28.4 | 24 | — |
| | 14 | HFW14R-1/2STE1HLF | 28.4 | 24 | — |
| | 15 | HFW15R-1/2STE1HLF | 36.4 | 32 | 28.4 |
| | 16 | HFW16R-1/2STE1HLF | 36.4 | 32 | 28.4 |
| | 17 | HFW17R-1/2STE1HLF | 36.4 | 32 | 28.4 |
| | 18 | HFW18R-1/2STE1HLF | 36.4 | 32 | 28.4 |
| | 19 | HFW19R-1/2STE1HLF | 48.4 | 44 | 40.4 |
| | 20 | HFW20R-1/2STE1HLF | 48.4 | 44 | 40.4 |
| | 21 | HFW21R-1/2STE1HLF | 48.4 | 44 | 40.4 |
| | 22 | HFW22R-1/2STE1HLF | 48.4 | 44 | 40.4 |
| | 23 | HFW23R-1/2STE1HLF | 48.4 | 44 | 40.4 |
| | 24 | HFW24R-1/2STE1HLF | 48.4 | 44 | 40.4 |
| | 25 | HFW25R-1/2STE1HLF | 48.4 | 44 | 40.4 |
| | 26 | HFW26R-1/2STE1HLF | 48.4 | 44 | 40.4 |
| | 27 | HFW27R-1/2STE1HLF | 48.4 | 44 | 40.4 |
| * | 28 | HFW28R-1/2STE1HLF | 48.4 | 44 | 40.4 |
| * | 29 | HFW29R-1/2STE1HLF | 48.4 | 44 | 40.4 |
| | 30 | HFW30R-1/2STE1HLF | 60.4 | 56 | 52.4 |

CAT. NO. HFW (n) R - 1 ST E1 HLF

SERIES HFW

NO. OF CONTACTS (n)

RIGHT ANGLE TYPE R

FOR FPC/FFC, CONTACT DIRECTION - 1

1. LOWER CONTACT TYPE
2. UPPER CONTACT TYPE

FOR AUTOMATIC MOUNTING (SMT) ST

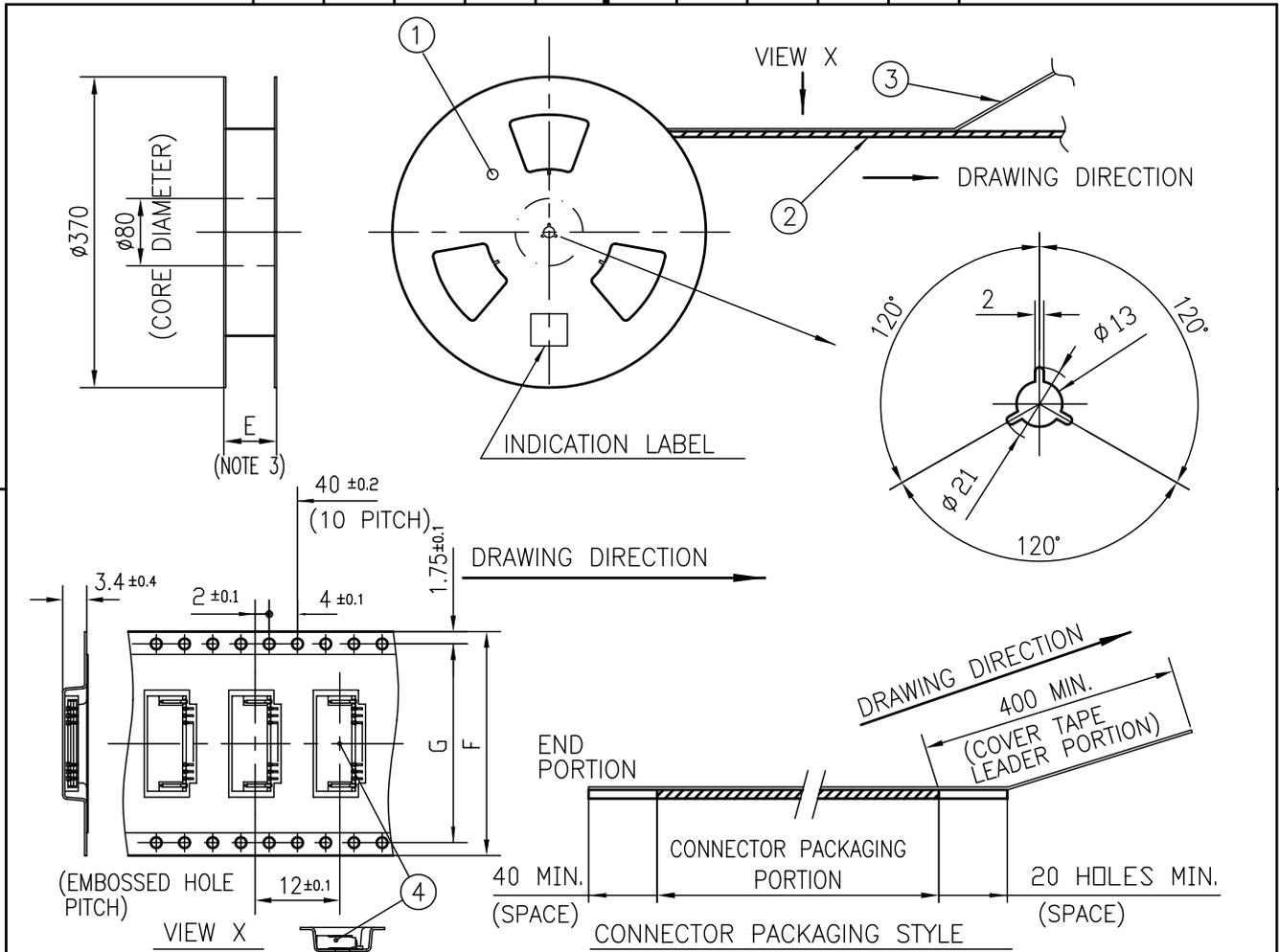
TAPE PACKAGING E1

HALOGEN and LEAD FREE HLF

NOTES

1. THIS PRODUCT IS THE CONNECTOR DESIGNED TO TERMINATE FPC/FFC AND COPE WITH AUTOMATIC MOUNTING (SMT).
2. THIS CATALOG NO. INDICATES PLASTIC TAPE PACKAGED CONNECTOR.
3. SEE PART DRAWINGS FOR DIMENSIONS E~G.
4. PLEASE CONSULT US IN CASE OF USING PARTS WITH * MARK.

| | | | | | | | | | | | |
|--------------------|--|----------------|--|--|--|------------|--|--|--|----------------------|--|
| mat'l. code | | | | surface 58 / tolerance ISO 1302 / ISO 406 / ISO 1101 | | projection | | product family 58NF | | | |
| ltr ecn no dr date | | | | tolerances unless otherwise specified | | mm | | title | | | |
| A | | | | angles linear | | scale | | CAT. NO. TABLE FOR PLASTIC TAPE PACKAGED 1mm SPACING SMT CONN. (Cat.No. HFW__R-1/2STE1HLF) | | | |
| | | | | dr H. TAKAKURA 06/10/23 | | FCJ | | dwg no 10089213 | | sheet 5 of 9 size A4 | |
| | | | | enr DENNIS GOH 08/06/26 | | | | type Product Customer Drawing | | | |
| | | | | chr DENNIS GOH 08/06/26 | | | | | | | |
| | | | | appd JOEY NG 08/06/26 | | | | | | | |
| sheet index | | revision sheet | | | | | | | | Rev. A | |

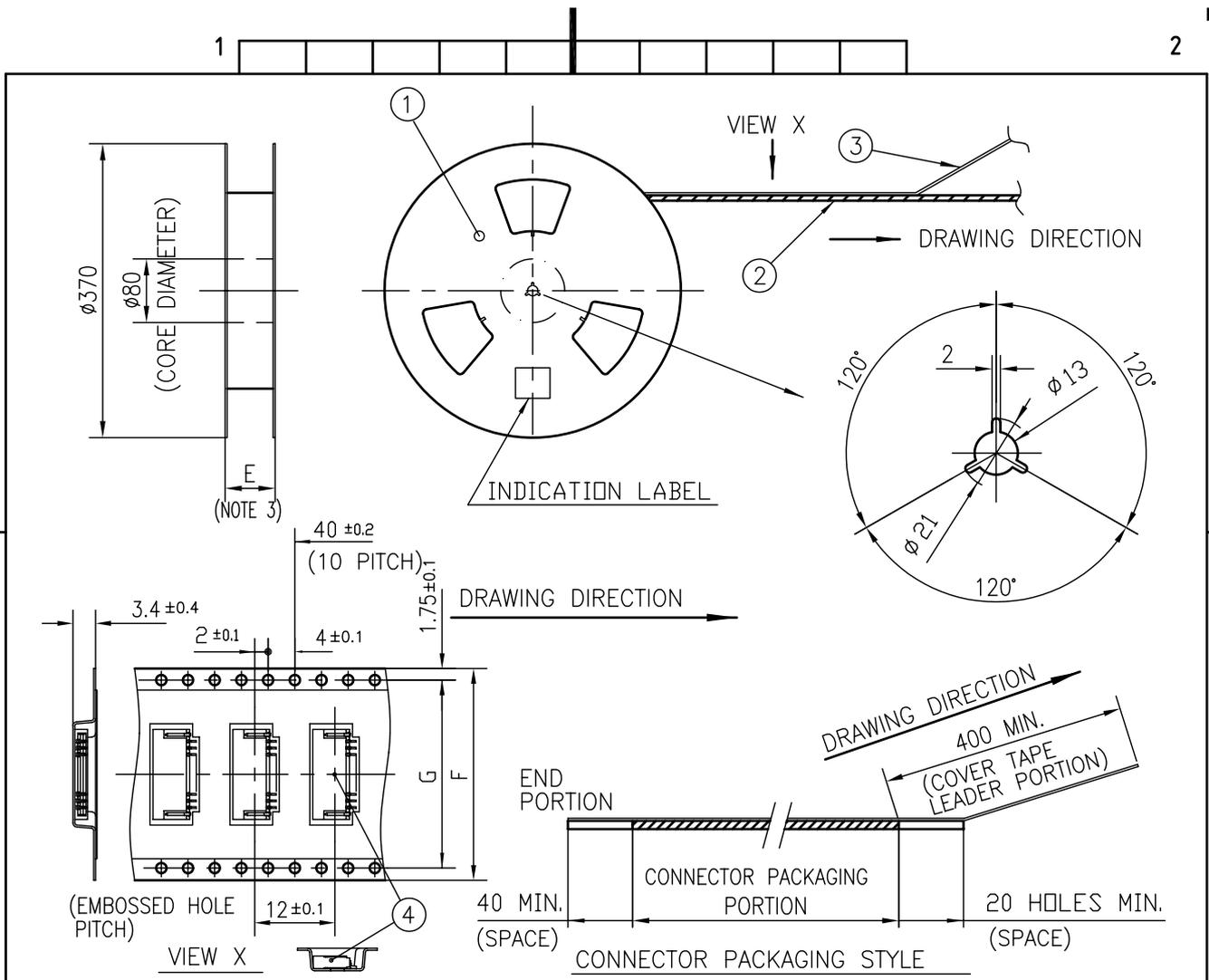


| PT. NO. | PARTS NAME | CAT. NO. | MATERIAL | Q'TY | NOTE |
|---------|------------------------|-----------------|-------------------|------|--------------------|
| 1 | REEL | --- | CARDBOARD | 1 | COLOR:WHITE |
| 2 | PLASTIC (EMBOSSD) TAPE | --- | PET | --- | COLOR:TRANSPARENCY |
| 3 | COVER | --- | POLYESTER | --- | COLOR:TRANSPARENCY |
| 4 | CONNECTOR | HFW__R-1ST__HLF | SEE ATTACHED DWG. | 2000 | LOWER CONTACT TYPE |

NOTES

- THIS IS PLASTIC TAPE PACKAGED CONNECTOR DESIGNED TO TERMINATE FPC/FFC AND COPES WITH AUTOMATIC MOUNTING (SMT).
- SEE JIS C 0806 (PACKING OF ELECTRONIC COMPONENTS ON CONTINUOUS TAPES (SURFACE MOUNTING DEVICES)) FOR SHAPE AND DIMENSIONS OF PLASTIC (EMBOSSD) TAPE AND REEL.
- E DIMENSION IS PORTION OF THE CORE.

| | | | | | | | |
|-------------|--|--|--|------------|--|---|--|
| mat'l. code | | surface 58 / tolerance ISO 1302 / ISO 406 / ISO 1101 | | projection | | product family 58NF | |
| ltr | | ecn no | | dr | | date | |
| A | | | | | | | |
| angles | | linear | | mm | | title | |
| ±5° | | | | scale | | 1mm SPACING SMT CONNECTOR (Cat.No. HFW__R-1STE1HLF) | |
| dr | | H. TAKAKURA | | 06/10/23 | | dwg no | |
| enr | | DENNIS GOH | | 08/06/26 | | sheet 6 of 9 | |
| chr | | DENNIS GOH | | 08/06/26 | | 10089213 | |
| appd | | JOEY NG | | 08/06/26 | | size A4 | |
| sheet index | | revision sheet | | | | type Product Customer Drawing | |
| D | | | | | | Rev. A | |



| PT. NO. | PARTS NAME | CAT. NO. | MATERIAL | Q'TY | NOTE |
|---------|--------------------------|-----------------|-------------------|------|--------------------|
| 1 | REEL | — | CARDBOARD | 1 | COLOR:WHITE |
| 2 | PLASTIC (EMBOSSSED) TAPE | — | PET | — | COLOR:TRANSPARENCY |
| 3 | COVER | — | POLYESTER | — | COLOR:TRANSPARENCY |
| 4 | CONNECTOR | HFV__R-2ST__HLF | SEE ATTACHED DWG. | 2000 | UPPER CONTACT TYPE |

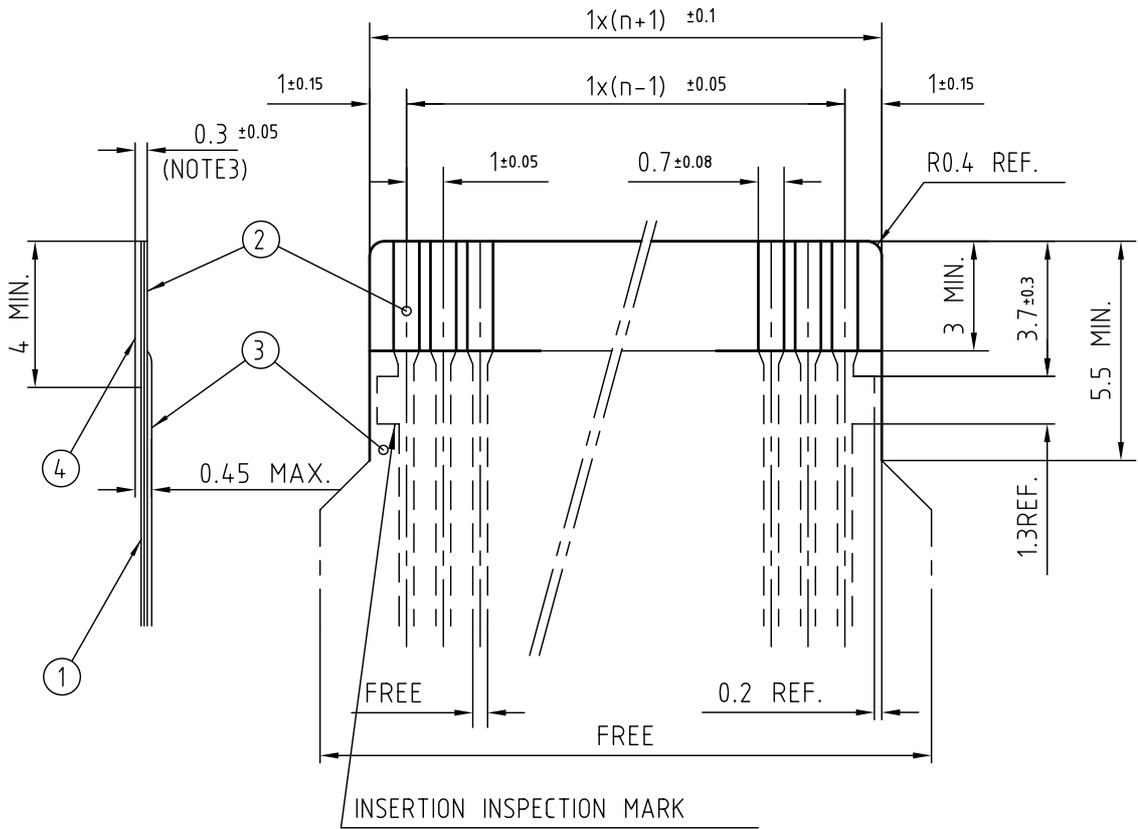
NOTES

1. THIS IS PLASTIC TAPE PACKAGED CONNECTOR DESIGNED TO TERMINATE FPC/FCC AND COPES WITH AUTOMATIC MOUNTING (SMT).
2. SEE JIS C 0806 (PACKING OF ELECTRONIC COMPONENTS ON CONTINUOUS TAPES (SURFACE MOUNTING DEVICES)) FOR SHAPE AND DIMENSIONS OF PLASTIC (EMBOSSSED) TAPE AND REEL.
3. E DIMENSION IS PORTION OF THE CORE.

| | | | | | | | |
|---------------------------------------|--|--|--|------------|--|---|--|
| mat'l. code | | surface 58 / tolerance ISO 1302 / ISO 406 / ISO 1101 | | projection | | product family 58NF | |
| ltr | | ecn no | | dr | | date | |
| A | | | | | | | |
| tolerances unless otherwise specified | | angles linear ±5° | | mm | | title | |
| | | | | scale | | 1mm SPACING SMT CONNECTOR (Cat.No. HFV__R-2STE1HLF) | |
| dr H. TAKAKURA | | 06/10/23 | | | | dwg no | |
| enr DENNIS GOH | | 08/06/26 | | | | sheet 7 of 9 | |
| chr DENNIS GOH | | 08/06/26 | | | | 10089213 | |
| appd JOEY NG | | 08/06/26 | | | | size A4 | |
| sheet index | | revision sheet | | | | type Product Customer Drawing | |
| | | | | | | Rev. A | |

RECOMMENDED CABLE (FPC)

n : NO. OF CONDUCTORS



| PT. NO. | DESCRIPTION | MATERIAL | THICKNESS (um) |
|---------|-----------------|--|----------------|
| 1 | BASE FILM | POLYIMIDE OR POLYESTER OR EQUIVALENT | 25 |
| 2 | CONDUCTOR | COPPER FOIL(PLATING : SOLDER 1um MIN.) | 35 |
| 3 | OVERLAY | POLYIMIDE OR POLYESTER OR EQUIVALENT | — |
| 4 | SUPPORTING TAPE | POLYESTER OR POLYIMIDE OR EQUIVALENT | 188 |

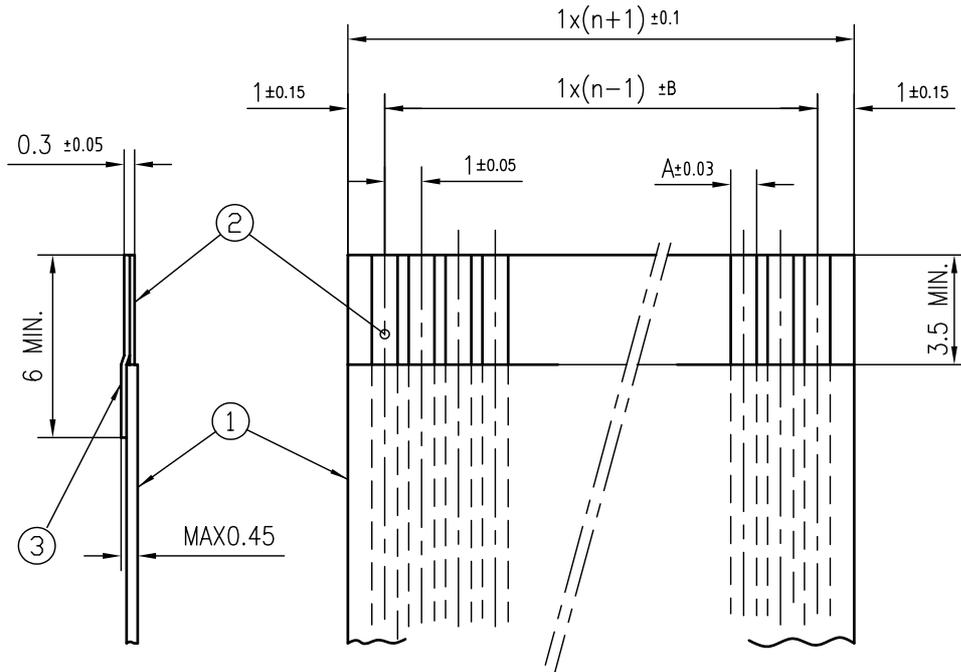
NOTES

1. NO BURR AT EACH PORTION.
2. NO PEELING IN COMMON USE.
3. TOTAL THICKNESS LIMIT OF EACH MATERIAL (INCLUDING ADHESIVE AGENT) IS SPECIFIED.

| | | | | | | | | | | | |
|--------------------|--|----------------|--|--|--|------------|--|--|--|----------------------|--|
| mat'l. code | | | | surface 58 / tolerance ISO 1302 ✓ ISO 406 ISO 1101 | | projection | | product family 58NF | | CODE JP | |
| ltr ecn no dr date | | | | tolerances unless otherwise specified | | mm | | title | | | |
| A | | | | angles linear | | mm | | RECOMMENDED CABLE (Cat. No. HFW__R-1/2__) | | | |
| | | | | dr H. TAKAKURA 06/10/04 | | scale | | dwg no 10089213 | | sheet 8 of 9 size A4 | |
| | | | | enr DENNIS GOH 08/06/26 | | FCJ | | type Product Customer Drawing | | | |
| | | | | chr DENNIS GOH 08/06/26 | | | | | | | |
| | | | | appd JOEY NG 08/06/26 | | | | | | | |
| sheet index | | revision sheet | | | | | | | | Rev. A | |

RECOMMENDED CABLE (FFC)

n : NO. OF CONDUCTORS



| (NOTE 3) | DIMENSION A | TOLERANCE B |
|----------|-------------|-------------|
| 1 | 0.7 | 0.1 |
| 2 | 0.6 | 0.07 |

| PT. NO. | DESCRIPTION | MATERIAL | NOTE |
|---------|-----------------|---|-----------------------------------|
| 1 | INSULATOR | FLAME RESISTING POLYESTER OR EQUIVALENT | _____ |
| 2 | CONDUCTOR | COPPER FOIL | PLATING:TIN OR SOLDER 1um MIN. |
| 3 | SUPPORTING TAPE | FLAME RESISTING POLYESTER OR EQUIVALENT | _____ |

NOTES

1. NO BURR AT EACH PORTION.
2. NO PEELING IN COMMON USE.
3. BOTH COMBINATION IS ALLOWED.

| | | | | | | | | | |
|-------------------------|--|----------------|--|--|--|-------------------------------|--|--|--|
| mat'l. code | | | | surface 58 / tolerance ISO 1302 ✓ ISO 406 ISO 1101 | | projection | | product family 58NF | |
| ltr ecn no dr date | | | | tolerances unless otherwise specified | | mm | | title | |
| A | | | | angles linear | | scale \times | | RECOMMENDED CABLE (Cat. No. HFW__R-1/2__) | |
| dr H. TAKAKURA 06/10/04 | | | | enr DENNIS GOH 08/06/26 | | chr DENNIS GOH 08/06/26 | | dwg no 10089213 sheet 9 of 9 size A4 | |
| appd JOEY NG 08/06/26 | | | | FCJ | | type Product Customer Drawing | | Rev. A | |
| sheet index | | revision sheet | | | | | | | |



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[HFW6R-1STE1H1LF](#) [HFW24R-2STE1H1LF](#) [HFW17R-2STE1H1LF](#) [HFW18R-1STE1H1LF](#) [HFW13R-1STE1H1LF](#)
[HFW14R-2STE1H1LF](#) [HFW11R-2STE1H1LF](#) [HFW13R-2STE1H1LF](#) [HFW22R-2STE1H1LF](#) [HFW9R-1STE1H1LF](#)
[HFW8R-2STAHE1H1LF](#) [HFW15R-1STE1H1LF](#) [HFW11R-1STE1H1LF](#) [HFW16R-2STE1H1LF](#) [HFW6R-2STE1H1LF](#)
[HFW7R-2STE1H1LF](#) [HFW14R-1STE1H1LF](#) [HFW18R-2STE1H1LF](#) [HFW8R-1STE1H1LF](#) [HFW10R-2STE1H1LF](#)
[HFW16R-1STE1H1LF](#) [HFW10R-1STE1H1LF](#) [HFW8R-2STE1H1LF](#) [HFW5R-2STE1H1LF](#) [HFW12R-1STE1H1LF](#)
[HFW4R-2STE1H1LF](#) [HFW5R-1STE1H1LF](#) [HFW24R-1STE1H1LF](#)