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## List of "SFW\_\_R-1/2STE1LF" customer document

| DOCUMENT NO. | LIST                                                                                |
|--------------|-------------------------------------------------------------------------------------|
| SC-SFW10     | SPEC.                                                                               |
| JSA95854     | CAT.NO.TABLE FOR 1mm SPACING SMT CONNECTOR (SFW__R-1/2ST__LF)                       |
| JSA95855     | 1mm SPACING SMT CONNECTOR (SFW__R-1ST__LF)                                          |
| JSA95856     | 1mm SPACING SMT CONNECTOR (SFW__R-2ST__LF)                                          |
| JSA95857     | CAT.NO.TABLE FOR PLASTIC TAPE PACKAGED 1mm SPACING SMT CONNECTOR (SFW__R-1/2STE1LF) |
| JSA95858     | PLASTIC TAPE PACKAGED 1mm SPACING SMT CONNECTOR (SFW__R-1STE1LF)                    |
| JSA95859     | PLASTIC TAPE PACKAGED 1mm SPACING SMT CONNECTOR (SFW__R-2STE1LF)                    |
| JSA91605     | RECOMMENDED CABLE (FPC) (SFW__R-1/2ST__)                                            |
| JSA91604     | RECOMMENDED CABLE (FFC) (SFW__R-1/2ST__)                                            |
| GS-20-129    | HANDLING PROCEDURES                                                                 |

|               |  |  |  |                              |  |                    |  |            |  |                                             |  |                                             |  |
|---------------|--|--|--|------------------------------|--|--------------------|--|------------|--|---------------------------------------------|--|---------------------------------------------|--|
| mat'l. code - |  |  |  | surface ISO 1302 58/406/1101 |  | tolerance ISO 1101 |  | projection |  | product family 58RF                         |  | CODE JP                                     |  |
| ltr           |  |  |  | ecn no                       |  | dr                 |  | date       |  | title                                       |  | 1mm SPACING FPC/FFC CONNECTOR DOCUMENT LIST |  |
| A             |  |  |  | J05-0055                     |  | H.T                |  | '05/2/4    |  | 1mm SPACING FPC/FFC CONNECTOR DOCUMENT LIST |  | (Cat. No. : SFW__R-1/2STE1LF)               |  |
| B             |  |  |  | J06-0398                     |  | H.T                |  | 9/26/'06   |  | scale                                       |  | X                                           |  |
| C             |  |  |  | J09-0358                     |  | M.Y                |  | 2009-10-5  |  | dwg no                                      |  | sheet 1 of 1                                |  |
| D             |  |  |  | J09-0380                     |  | M.Y                |  | 2009-10-27 |  | JSA 96336                                   |  | A4                                          |  |
| sheet index   |  |  |  | revision sheet               |  | D                  |  | 1          |  | type                                        |  | Product Customer Drawing                    |  |
| Rev. D        |  |  |  |                              |  |                    |  |            |  |                                             |  |                                             |  |

form: A4

1

2

PDM: Rev:D

STATUS: Released

Printed: Nov 01, 2009

## CAT. NO. &amp; DIMENSIONS

| NO. OF CONTACTS (n) | CAT. NO.         | DIMENSIONS (NOTE2) |         |         |         |
|---------------------|------------------|--------------------|---------|---------|---------|
|                     |                  | A ± 0.2            | B ± 0.2 | C ± 0.2 | D ± 0.1 |
| 4                   | SFW4R-1/2ST__LF  | 9.8                | 8.6     | 3.0     | 5.3     |
| 5                   | SFW5R-1/2ST__LF  | 10.8               | 9.6     | 4.0     | 6.3     |
| 6                   | SFW6R-1/2ST__LF  | 11.8               | 10.6    | 5.0     | 7.3     |
| 7                   | SFW7R-1/2ST__LF  | 12.8               | 11.6    | 6.0     | 8.3     |
| 8                   | SFW8R-1/2ST__LF  | 13.8               | 12.6    | 7.0     | 9.3     |
| 9                   | SFW9R-1/2ST__LF  | 14.8               | 13.6    | 8.0     | 10.3    |
| 10                  | SFW10R-1/2ST__LF | 15.8               | 14.6    | 9.0     | 11.3    |
| 11                  | SFW11R-1/2ST__LF | 16.8               | 15.6    | 10.0    | 12.3    |
| 12                  | SFW12R-1/2ST__LF | 17.8               | 16.6    | 11.0    | 13.3    |
| 13                  | SFW13R-1/2ST__LF | 18.8               | 17.6    | 12.0    | 14.3    |
| 14                  | SFW14R-1/2ST__LF | 19.8               | 18.6    | 13.0    | 15.3    |
| 15                  | SFW15R-1/2ST__LF | 20.8               | 19.6    | 14.0    | 16.3    |
| 16                  | SFW16R-1/2ST__LF | 21.8               | 20.6    | 15.0    | 17.3    |
| 17                  | SFW17R-1/2ST__LF | 22.8               | 21.6    | 16.0    | 18.3    |
| 18                  | SFW18R-1/2ST__LF | 23.8               | 22.6    | 17.0    | 19.3    |
| 19                  | SFW19R-1/2ST__LF | 24.8               | 23.6    | 18.0    | 20.3    |
| 20                  | SFW20R-1/2ST__LF | 25.8               | 24.6    | 19.0    | 21.3    |
| 21                  | SFW21R-1/2ST__LF | 26.8               | 25.6    | 20.0    | 22.3    |
| 22                  | SFW22R-1/2ST__LF | 27.8               | 26.6    | 21.0    | 23.3    |
| 23                  | SFW23R-1/2ST__LF | 28.8               | 27.6    | 22.0    | 24.3    |
| 24                  | SFW24R-1/2ST__LF | 29.8               | 28.6    | 23.0    | 25.3    |
| 25                  | SFW25R-1/2ST__LF | 30.8               | 29.6    | 24.0    | 26.3    |
| 26                  | SFW26R-1/2ST__LF | 31.8               | 30.6    | 25.0    | 27.3    |
| 27                  | SFW27R-1/2ST__LF | 32.8               | 31.6    | 26.0    | 28.3    |
| 28                  | SFW28R-1/2ST__LF | 33.8               | 32.6    | 27.0    | 29.3    |
| 29                  | SFW29R-1/2ST__LF | 34.8               | 33.6    | 28.0    | 30.3    |
| 30                  | SFW30R-1/2ST__LF | 35.8               | 34.6    | 29.0    | 31.3    |

CAT. NO.

SFW (n) R - 1 ST \_\_ LF

SERIES NAME

NO. OF CONTACTS

RIGHT ANGLE TYPE

FOR FPC/FFC, CONTACT DIRECTION

1. LOWER CONTACT TYPE
2. UPPER CONTACT TYPE

FOR AUTOMATIC MOUNTING (SMT)

PACKAGE STYLE

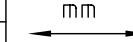
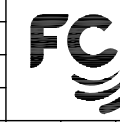
LEAD FREE

## NOTES

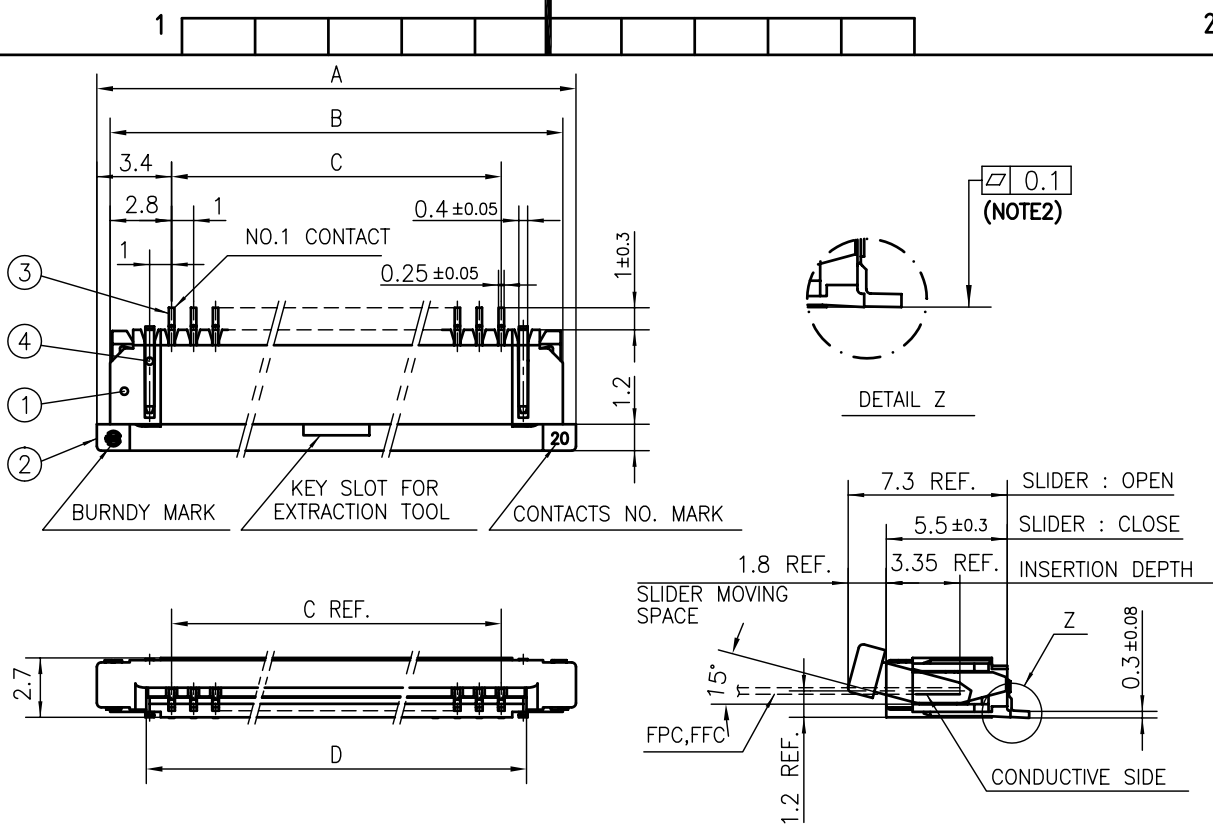
1. THIS PRODUCT IS THE CONNECTOR USED FOR FPC/FFC AND COPS WITH AUTOMATIC MOUNTING (SMT).

2. SEE PART DRAWINGS FOR DIMENSIONS A~D.

3. A  SYMBOL WILL BE NEXT TO ANY DIMENSION, VIEW, OR NOTE WHICH HAS BEEN MODIFIED WITH THE CURRENT DRAWING REVISION.

|             |          |          |      |                          |      |                                       |                                  |                                                                                     |          |                                                                                                   |                                                                                                |                               |                     |  |                                                                                         |  |  |            |            |  |
|-------------|----------|----------|------|--------------------------|------|---------------------------------------|----------------------------------|-------------------------------------------------------------------------------------|----------|---------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|-------------------------------|---------------------|--|-----------------------------------------------------------------------------------------|--|--|------------|------------|--|
| mat'l. code |          |          |      | surface 58 ✓<br>ISO 1302 |      |                                       | tolerance<br>ISO 406<br>ISO 1101 |                                                                                     |          | projection<br> |                                                                                                |                               | product family 58RF |  |                                                                                         |  |  |            | CODE<br>JP |  |
| ltr         | ecn no   |          | dr   | date                     |      | tolerances unless otherwise specified |                                  |                                                                                     |          |                                                                                                   |                                                                                                |                               |                     |  | title<br>CAT. NO. TABLE FOR<br>1mm SPACING SMT CONNECTOR<br>(Cat. No. SFW__R-1/2ST__LF) |  |  |            |            |  |
| AA          | J05-0055 |          | H.T  | 05-02-04                 |      | angles<br><br>linear                  |                                  |  |          |                                                                                                   | scale ∞<br> |                               |                     |  |                                                                                         |  |  |            |            |  |
| AB          | J06-0398 |          | H.T  | 06-09-26                 |      |                                       |                                  |                                                                                     |          |                                                                                                   |                                                                                                |                               |                     |  |                                                                                         |  |  |            |            |  |
| AC          | S08-0276 |          | DGOH | 08-08-22                 |      |                                       |                                  |                                                                                     |          |                                                                                                   |                                                                                                |                               |                     |  |                                                                                         |  |  |            |            |  |
|             |          |          |      |                          | dr   | H. TAKAKURA                           |                                  |                                                                                     | 06-09-26 |                                                                                                   |                                                                                                | dwg no sheet 1 of 1           |                     |  |                                                                                         |  |  | size<br>A4 |            |  |
|             |          |          |      |                          | enr  | H. TAKAKURA                           |                                  |                                                                                     | 06-09-26 |                                                                                                   |                                                                                                |                               |                     |  |                                                                                         |  |  |            |            |  |
|             |          |          |      |                          | chr  | DENNIS GOH                            |                                  |                                                                                     | 08-08-22 |                                                                                                   |                                                                                                | type Product Customer Drawing |                     |  |                                                                                         |  |  | Rev.<br>AC |            |  |
|             |          |          |      |                          | appd | JOEY NG                               |                                  |                                                                                     | 08-08-22 |                                                                                                   |                                                                                                |                               |                     |  |                                                                                         |  |  |            |            |  |
| sheet index |          | revision |      | AC                       |      |                                       |                                  |                                                                                     |          |                                                                                                   |                                                                                                |                               |                     |  |                                                                                         |  |  |            |            |  |
|             |          | sheet    |      | 1                        |      |                                       |                                  |                                                                                     |          |                                                                                                   |                                                                                                |                               |                     |  |                                                                                         |  |  |            |            |  |

SC-SFW10 JSA95855 95856 95857 95858 95859 91605 91604 1



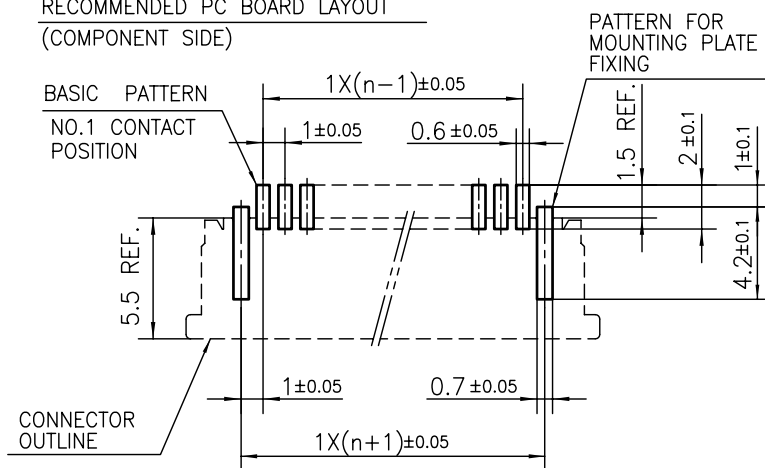
| PT. NO. | PARTS NAME     | MATERIAL                             | Q'TY | NOTE          |
|---------|----------------|--------------------------------------|------|---------------|
| 1       | HOUSING        | PPS RESIN GLASS REINFORCED (UL94V-0) | 1    | COLOR : BROWN |
| 2       | SLIDER         | PPS RESIN GLASS REINFORCED (UL94V-0) | 1    | COLOR : BLACK |
| 3       | CONTACT        | PHOSPHOR BRONZE                      | n    | PLATING : TIN |
| 4       | MOUNTING PLATE |                                      | 2    |               |

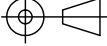
n : NO. OF CONTACTS

#### NOTES

1. THIS PRODUCT IS THE CONNECTOR USED FOR FPC/FFC AND CYPES WITH AUTOMATIC MOUNTING (SMT).
2. FLATNESS FOR CONTACT TERMINAL 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.
3. A  SYMBOL WILL BE NEXT TO ANY DIMENSION, VIEW, OR NOTE WHICH HAS BEEN MODIFIED WITH THE CURRENT DRAWING. REVISION.

#### RECOMMENDED PC BOARD LAYOUT (COMPONENT SIDE)



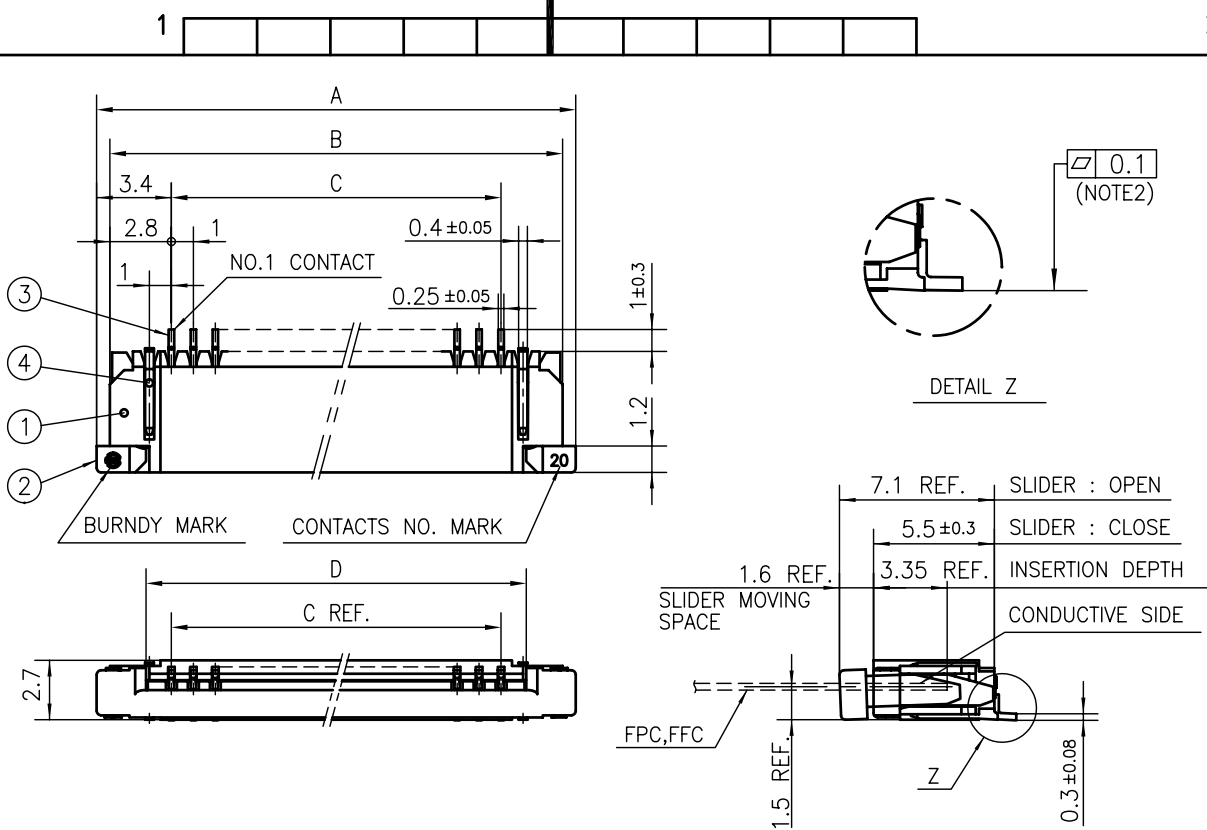
|             |          |      |          |                                       |                    |                                                                                     |                                                                 |         |
|-------------|----------|------|----------|---------------------------------------|--------------------|-------------------------------------------------------------------------------------|-----------------------------------------------------------------|---------|
| mat'l. code |          |      |          | surface 58                            | tolerance ISO 1302 | projection                                                                          | product family 58RF                                             | CODE JP |
| ltr         | ecn no   | dr   | date     | tolerances unless otherwise specified | ISO 406            |  | title<br>1mm SPACING SMT CONNECTOR<br>(Cat. No. SFW__R-1ST__LF) |         |
| AA          | J04-0180 | H.T  | 04-07-02 | angles                                | ISO 1101           |                                                                                     |                                                                 |         |
| AB          | J05-0055 | H.T  | 05-02-04 | linear                                | ±0.2               | mm                                                                                  | dwg no sheet 1 of 1 size<br>JSA 95855 A4                        |         |
| AC          | J05-0736 | H.T  | 05-10-28 |                                       |                    | scale                                                                               |                                                                 |         |
| AD          | J06-0398 | H.T  | 06-09-26 | dr                                    | H. TAKAKURA        |  | type Product Customer Drawing                                   |         |
| AE          | S08-0276 | DGOH | 08-08-22 | enr                                   | H. TAKAKURA        |                                                                                     |                                                                 |         |
|             |          |      |          | chr                                   | DENNIS GOH         |                                                                                     |                                                                 |         |
|             |          |      |          | appd                                  | JOEY NG            |                                                                                     |                                                                 |         |
| sheet index | revision | AE   | 1        |                                       |                    |                                                                                     | Rev. AE                                                         |         |

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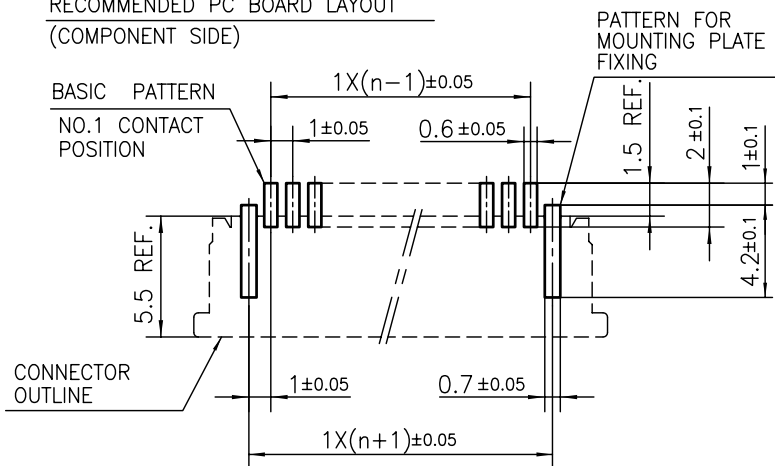
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| PT. NO. | PARTS NAME     | MATERIAL                             | Q'TY | NOTE          |
|---------|----------------|--------------------------------------|------|---------------|
| 1       | HOUSING        | PPS RESIN GLASS REINFORCED (UL94V-0) | 1    | COLOR : BROWN |
| 2       | SLIDER         | PHOSPHOR BRONZE                      | 1    | COLOR : BLACK |
| 3       | CONTACT        | PHOSPHOR BRONZE                      | n    | PLATING : TIN |
| 4       | MOUNTING PLATE |                                      | 2    |               |

n : NO. OF CONTACTS

#### RECOMMENDED PC BOARD LAYOUT (COMPONENT SIDE)



#### NOTES

1. THIS PRODUCT IS THE CONNECTOR USED FOR FPC/FFC AND COPEs WITH AUTOMATIC MOUNTING (SMT).
2. FLATNESS FOR CONTACT TERMINAL 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.
6. A symbol will be next to any dimension, view, or note which has been modified with the current drawing revision.

|             |          |      |          |                                       |                    |            |                                                              |         |
|-------------|----------|------|----------|---------------------------------------|--------------------|------------|--------------------------------------------------------------|---------|
| mat'l. code |          |      |          | surface 58                            | tolerance ISO 1302 | projection | product family 58RF                                          | CODE JP |
| ltr         | ecn no   | dr   | date     | tolerances unless otherwise specified | ISO 406            | mm         | title<br>1mm SPACING SMT CONNECTOR (Cat. No. SFW__R-2ST__LF) |         |
| AA          | J04-0180 | H.T  | 04-07-02 | angles                                | ISO 1101           |            |                                                              |         |
| AB          | J05-0055 | H.T  | 05-02-04 | linear                                | ±0.2               | scale      | dwg no sheet 1 of 1 size<br>JSA 95856 A4                     |         |
| AC          | J05-0736 | H.T  | 05-10-28 |                                       |                    |            |                                                              |         |
| AD          | J06-0398 | H.T  | 06-09-26 | dr                                    | H. TAKAKURA        | 06-09-26   | type Product Customer Drawing                                |         |
| AE          | S08-0276 | DGOH | 08-08-22 | enr                                   | H. TAKAKURA        | 06-09-26   |                                                              |         |
|             |          |      |          | chr                                   | DENNIS GOH         | 08-08-22   | Rev. AE                                                      |         |
|             |          |      |          | appd                                  | JOEY NG            | 08-08-22   |                                                              |         |
| sheet index | revision | AE   | 1        |                                       |                    |            |                                                              |         |

SC\_SFW10 JSA95854 form: A4

## CAT. NO. &amp; DIMENSIONS

| NO. OF CONTACTS (n) | CAT. NO. (NOTE2)  | DIMENSIONS (NOTE3) |         |         |
|---------------------|-------------------|--------------------|---------|---------|
|                     |                   | E ± 5              | F ± 0.3 | G ± 0.1 |
| 4                   | SFW4R-1/2STE1 LF  | 20.4               | 16      | —       |
| 5                   | SFW5R-1/2STE1 LF  | 28.4               | 24      | —       |
| 6                   | SFW6R-1/2STE1 LF  | 28.4               | 24      | —       |
| 7                   | SFW7R-1/2STE1 LF  | 28.4               | 24      | —       |
| 8                   | SFW8R-1/2STE1 LF  | 28.4               | 24      | —       |
| 9                   | SFW9R-1/2STE1 LF  | 28.4               | 24      | —       |
| 10                  | SFW10R-1/2STE1 LF | 28.4               | 24      | —       |
| 11                  | SFW11R-1/2STE1 LF | 28.4               | 24      | —       |
| 12                  | SFW12R-1/2STE1 LF | 28.4               | 24      | —       |
| 13                  | SFW13R-1/2STE1 LF | 36.4               | 32      | 28.4    |
| 14                  | SFW14R-1/2STE1 LF | 36.4               | 32      | 28.4    |
| 15                  | SFW15R-1/2STE1 LF | 36.4               | 32      | 28.4    |
| 16                  | SFW16R-1/2STE1 LF | 36.4               | 32      | 28.4    |
| 17                  | SFW17R-1/2STE1 LF | 48.4               | 44      | 40.4    |
| 18                  | SFW18R-1/2STE1 LF | 48.4               | 44      | 40.4    |
| 19                  | SFW19R-1/2STE1 LF | 48.4               | 44      | 40.4    |
| 20                  | SFW20R-1/2STE1 LF | 48.4               | 44      | 40.4    |
| 21                  | SFW21R-1/2STE1 LF | 48.4               | 44      | 40.4    |
| 22                  | SFW22R-1/2STE1 LF | 48.4               | 44      | 40.4    |
| 23                  | SFW23R-1/2STE1 LF | 48.4               | 44      | 40.4    |
| 24                  | SFW24R-1/2STE1 LF | 48.4               | 44      | 40.4    |
| 25                  | SFW25R-1/2STE1 LF | 48.4               | 44      | 40.4    |
| 26                  | SFW26R-1/2STE1 LF | 48.4               | 44      | 40.4    |
| 27                  | SFW27R-1/2STE1 LF | 48.4               | 44      | 40.4    |
| 28                  | SFW28R-1/2STE1 LF | 60.4               | 56      | 52.4    |
| 29                  | SFW29R-1/2STE1 LF | 60.4               | 56      | 52.4    |
| 30                  | SFW30R-1/2STE1 LF | 60.4               | 56      | 52.4    |

CAT. NO.

SFW (n) R - 1 ST E1 LF

SERIES NAME

NO. OF CONTACTS

RIGHT ANGLE TYPE

FOR FPC/FFC, CONTACT DIRECTION

1. LOWER CONTACT TYPE
2. UPPER CONTACT TYPE

FOR AUTOMATIC MOUNTING (SMT)

TAPE PACKAGING

LEAD FREE

## NOTES

1. THIS PRODUCT IS THE CONNECTOR USED FOR FPC/FFC AND COPELS WITH AUTOMATIC MOUNTING (SMT).
2. THIS CATALOG NO. INDICATES PLASTIC TAPE PACKAGED CONNECTOR.
3. SEE PART DRAWINGS FOR DIMENSIONS E~G.
4. A  SYMBOL WILL BE NEXT TO ANY DIMENSION, VIEW, OR NOTE WHICH HAS BEEN MODIFIED WITH THE CURRENT DRAWING REVISION.

|             |          |      |          |                                       |                            |                                                                                                |                                                                                                          |         |
|-------------|----------|------|----------|---------------------------------------|----------------------------|------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------|---------|
| mat'l. code |          |      |          | surface 58/ISO 1302                   | tolerance ISO 406 ISO 1101 | projection  | product family 58RF                                                                                      | CODE JP |
| ltr         | ecn no   | dr   | date     | tolerances unless otherwise specified |                            |             | title<br>CAT. NO. TABLE FOR PLASTIC TAPE PACKAGED 1mm SPACING SMT CONNECTOR (Cat. No. SFW__R-1/2STE1 LF) |         |
| AA          | J05-0055 | H.T  | 05-02-04 | angles                                | linear                     |                                                                                                |                                                                                                          |         |
| AB          | J06-0398 | H.T  | 06-09-26 |                                       |                            | scale       | dwg no sheet 1 of 1 size<br>JSA 95857 A4                                                                 |         |
| AC          | S08-0276 | DGOH | 08-08-22 |                                       |                            |                                                                                                |                                                                                                          |         |
|             |          |      |          | dr                                    | H. TAKAKURA                | 06-09-26                                                                                       | type Product Customer Drawing                                                                            |         |
|             |          |      |          | enr                                   | H. TAKAKURA                | 06-09-26                                                                                       |                                                                                                          |         |
|             |          |      |          | chr                                   | DENNIS GOH                 | 08-08-22                                                                                       |                                                                                                          |         |
|             |          |      |          | appd                                  | JOEY NG                    | 08-08-22                                                                                       |                                                                                                          |         |
| sheet index | revision | AC   |          |                                       |                            |                                                                                                |                                                                                                          | Rev. AC |
|             | sheet    | 1    |          |                                       |                            |                                                                                                |                                                                                                          |         |

SC\_SFW10 JSA95854 95858 95859

form: A4



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

#### NOTES

- THIS IS PLASTIC TAPE PACKAGED CONNECTOR USED FOR FPC/FFC AND COPEES WITH AUTOMATIC MOUNTING (SMT).
- SEE JIS C 0806 (PACKING OF ELECTRONIC COMPONENTS ON CONTINUOUS TAPES (SURFACE MOUNTING DEVICES)) FOR SHAPE AND DIMENSIONS OF PLASTIC (EMBOSS) TAPE AND REEL.
- E DIMENSION IS PORTION OF THE CORE.
- A SYMBOL WILL BE NEXT TO ANY DIMENSION, VIEW, OR NOTE WHICH HAS BEEN MODIFIED WITH THE CURRENT DRAWING REVISION.

|             |          |      |          |                                       |                    |            |                                                                                           |              |
|-------------|----------|------|----------|---------------------------------------|--------------------|------------|-------------------------------------------------------------------------------------------|--------------|
| mat'l. code |          |      |          | surface 58                            | tolerance ISO 1302 | projection | product family 58RF                                                                       | CODE JP      |
| ltr         | ecn no   | dr   | date     | tolerances unless otherwise specified | ISO 406            |            | title<br>PLASTIC TAPE PACKAGED<br>1mm SPACING SMT CONNECTOR<br>(Cat. No. SFW__R-1STE1 LF) |              |
| AA          | J05-0055 | H.T  | 05/02/04 | angles                                | ISO 1101           | mm         |                                                                                           |              |
| AB          | J06-0398 | H.T  | 06/09/26 | linear                                | ±5                 | scale      |                                                                                           |              |
| AC          | S08-0276 | DGOH | 08-08-22 | ±5°                                   |                    |            |                                                                                           |              |
|             |          |      |          | dr                                    | H. TAKAKURA        | 06-09-26   | dwg no                                                                                    | sheet 1 of 1 |
|             |          |      |          | enr                                   | H. TAKAKURA        | 06-09-26   | JSA 95858                                                                                 |              |
|             |          |      |          | chr                                   | DENNIS GOH         | 08-08-22   |                                                                                           |              |
|             |          |      |          | appd                                  | JOEY NG            | 08-08-22   | type Product Customer Drawing                                                             |              |
| sheet index | revision | AC   |          |                                       |                    |            |                                                                                           | Rev. AC      |

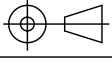
SC\_SFW10 JSA95857  
form: A4



| PT. NO. | PARTS NAME            | CAT. NO.       | MATERIAL          | Q'TY  | NOTE               |
|---------|-----------------------|----------------|-------------------|-------|--------------------|
| 1       | REEL                  | _____          | CARDBOARD         | 1     | COLOR:WHITE/GREY   |
| 2       | PLASTIC (EMBOSS) TAPE | _____          | PET               | _____ | COLOR:TRANSPARENCY |
| 3       | COVER                 | _____          | POLYESTER         | _____ | COLOR:TRANSPARENCY |
| 4       | CONNECTOR             | SFW__R-2ST__LF | SEE ATTACHED DWG. | 2000  | UPPER CONTACT TYPE |

#### NOTES

1. THIS IS PLASTIC TAPE PACKAGED CONNECTOR USED FOR FPC/FFC AND CYPES 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 (EMBOSS) TAPE AND REEL.
3. E DIMENSION IS PORTION OF THE CORE.
4. A  SYMBOL WILL BE NEXT TO ANY DIMENSION, VIEW, OR NOTE WHICH HAS BEEN MODIFIED WITH THE CURRENT DRAWING REVISION.

|             |          |      |          |                                       |                            |                                                                                     |                                                                                           |         |
|-------------|----------|------|----------|---------------------------------------|----------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|---------|
| mat'l. code |          |      |          | surface 58/ISO 1302                   | tolerance ISO 406/ISO 1101 | projection                                                                          | product family 58RF                                                                       | CODE JP |
| ltr         | ecn no   | dr   | date     | tolerances unless otherwise specified |                            |  | title<br>PLASTIC TAPE PACKAGED<br>1mm SPACING SMT CONNECTOR<br>(Cat. No. SFW__R-2STE1 LF) |         |
| AA          | J05-0055 | H.T  | 05-02-04 | angles                                | linear                     |                                                                                     |                                                                                           |         |
| AB          | J06-0398 | H.T  | 06-09-26 | ±5°                                   |                            | mm                                                                                  | dwg no sheet 1 of 1 size<br>JSA 95859 A4                                                  |         |
| AC          | S08-0276 | DGOH | 08-08-22 |                                       |                            | scale                                                                               |                                                                                           |         |
|             |          |      |          | dr                                    | H. TAKAKURA                | 06-09-26                                                                            | type Product Customer Drawing                                                             |         |
|             |          |      |          | enr                                   | H. TAKAKURA                | 06-09-26                                                                            |                                                                                           |         |
|             |          |      |          | chr                                   | DENNIS GOH                 | 08-08-22                                                                            |                                                                                           |         |
|             |          |      |          | appd                                  | JOEY NG                    | 08-08-22                                                                            |                                                                                           |         |
| sheet index | revision | AC   |          |                                       |                            |                                                                                     |                                                                                           | Rev. AC |

## RECOMMENDED CABLE (FPC)

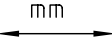
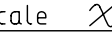
n : NO. OF CONDUCTOR



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

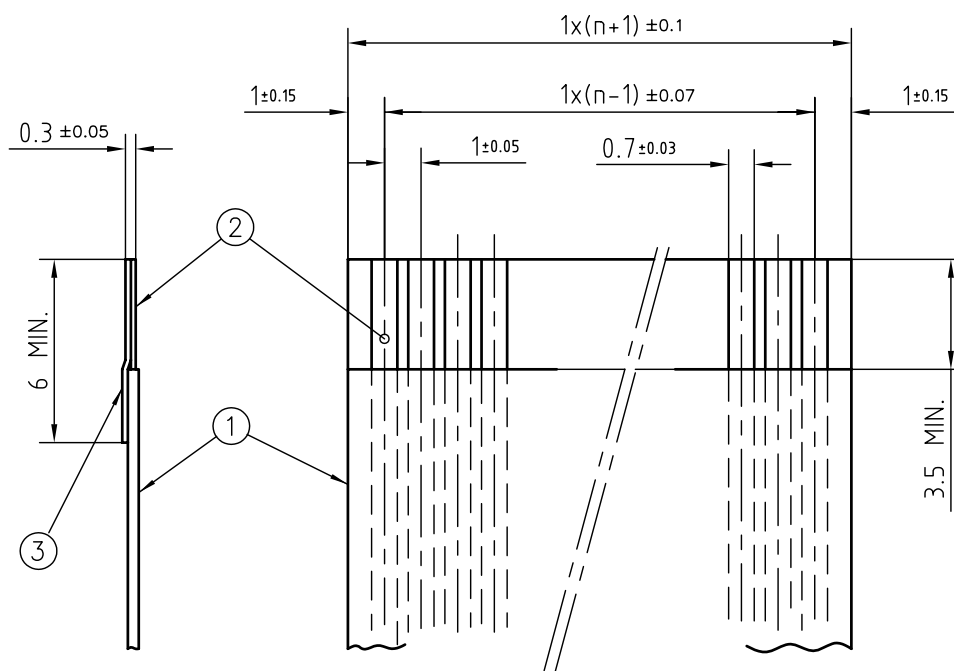
## NOTES

1. NO BURR AT EACH PORTION.
2. NO PEELING IN COMMON USE.
3. TOTAL THICKNESS LIMIT OF EACH MATERIAL (INCLUDING ADHESIVE AGENT) IS SPECIFIED.
4. A  SYMBOL WILL BE NEXT TO ANY DIMENSION, VIEW, OR NOTE WHICH HAS BEEN MODIFIED WITH THE CURRENT DRAWING REVISION.

|             |          |                |          |                                       |             |                            |          |                                                                                                |                                                                                     |                                                       |                               |         |         |  |
|-------------|----------|----------------|----------|---------------------------------------|-------------|----------------------------|----------|------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------|-------------------------------|---------|---------|--|
| mat'l. code |          |                |          | surface 58/ISO 1302                   |             | tolerance ISO 406 ISO 1101 |          | projection  |                                                                                     | product family 58RF                                   |                               | CODE JP |         |  |
| ltr         | ecn no   | dr             | date     | tolerances unless otherwise specified |             |                            |          |             |                                                                                     | title<br>RECOMMENDED CABLE<br>(Cat. No. SFW__R-1/2__) |                               |         |         |  |
| AA          | J05-0055 | H.T            | 05-02-04 | angles                                | linear      |                            |          |                                                                                                |                                                                                     |                                                       |                               |         |         |  |
| AB          | J06-0398 | H.T            | 06-09-26 |                                       |             |                            |          | scale       |                                                                                     | dwg no sheet 1 of 1 size A4                           |                               |         |         |  |
| AC          | S08-0276 | DGOH           | 08-08-22 |                                       |             |                            |          |                                                                                                |                                                                                     |                                                       |                               |         |         |  |
|             |          |                |          | dr                                    | H. TAKAKURA |                            | 06-09-26 |                                                                                                |  |                                                       | type Product Customer Drawing |         |         |  |
|             |          |                |          | enr                                   | H. TAKAKURA |                            | 06-09-26 |                                                                                                |                                                                                     |                                                       |                               |         |         |  |
|             |          |                |          | chr                                   | DENNIS GOH  |                            | 08-08-22 |                                                                                                |                                                                                     |                                                       |                               |         |         |  |
|             |          |                |          | appd                                  | JOEY NG     |                            | 08-08-22 |                                                                                                |                                                                                     |                                                       |                               |         |         |  |
| sheet index |          | revision sheet |          | AC                                    |             |                            |          |                                                                                                |                                                                                     |                                                       |                               |         | Rev. AC |  |

## RECOMMENDED CABLE (FFC)

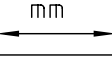
n : NO. OF CONDUCTOR



| PT. NO. | PARTS NAME      | MATERIAL                           | NOTE                              |
|---------|-----------------|------------------------------------|-----------------------------------|
| 1       | INSULATOR       | FLAME RESISTING POLYESTER OR EQUAL | _____                             |
| 2       | CONDUCTOR       | COPPER FOIL                        | PLATING:TIN OR SOLDER<br>1um MIN. |
| 3       | SUPPORTING TAPE | FLAME RESISTING POLYESTER OR EQUAL | _____                             |

## NOTES

1. NO BURR AT EACH PORTION.
2. NO PEELING IN COMMON USE.
3. A  SYMBOL WILL BE NEXT TO ANY DIMENSION, VIEW, OR NOTE WHICH HAS BEEN MODIFIED WITH THE CURRENT DRAWING REVISION.

|             |                |      |          |                                       |                            |                                                                                                |                                                       |         |
|-------------|----------------|------|----------|---------------------------------------|----------------------------|------------------------------------------------------------------------------------------------|-------------------------------------------------------|---------|
| mat'l. code |                |      |          | surface 58/ISO 1302                   | tolerance ISO 406 ISO 1101 | projection  | product family 58RF                                   | CODE JP |
| ltr         | ecn no         | dr   | date     | tolerances unless otherwise specified |                            |             | title<br>RECOMMENDED CABLE<br>(Cat. No. SFW__R-1/2__) |         |
| AA          | J05-0055       | H.T  | 05-02-04 | angles                                | linear                     |                                                                                                |                                                       |         |
| AB          | J06-0398       | H.T  | 06-09-26 |                                       |                            | mm                                                                                             | dwg no sheet 1 of 1 size                              |         |
| AC          | S08-0276       | DGOH | 08-08-22 |                                       |                            | scale       |                                                       |         |
|             |                |      |          | dr                                    | H. TAKAKURA                | 06-09-26                                                                                       | JSA 91604                                             |         |
|             |                |      |          | enr                                   | H. TAKAKURA                | 06-09-26                                                                                       |                                                       |         |
|             |                |      |          | chr                                   | DENNIS GOH                 | 08-08-22                                                                                       | type Product Customer Drawing                         |         |
|             |                |      |          | appd                                  | JOEY NG                    | 08-08-22                                                                                       |                                                       |         |
| sheet index | revision sheet | AC   | 1        |                                       |                            |                                                                                                |                                                       | Rev. AC |