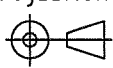
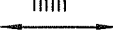
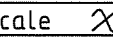


List of "SFW\_\_R-3/4STE1LF" customer document

| DOCUMENT NO.                                                                                 | LIST                                                                                |
|----------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| SC-STW11                                                                                     | SPEC.                                                                               |
| JSA95860                                                                                     | CAT.NO.TABLE FOR 1mm SPACING SMT CONNECTOR (SFW__R-3/4ST__LF)                       |
| JSA95861                                                                                     | 1mm SPACING SMT CONNECTOR (SFW__R-3ST__LF)                                          |
| JSA95862                                                                                     | 1mm SPACING SMT CONNECTOR (SFW__R-4ST__LF)                                          |
| JSA95863                                                                                     | CAT.NO.TABLE FOR PLASTIC TAPE PACKAGED 1mm SPACING SMT CONNECTOR (SFW__R-3/4STE1LF) |
| JSA95864                                                                                     | PLASTIC TAPE PACKAGED 1mm SPACING SMT CONNECTOR (SFW__R-3STE1LF)                    |
| JSA95865                                                                                     | PLASTIC TAPE PACKAGED 1mm SPACING SMT CONNECTOR (SFW__R-4STE1LF)                    |
| JSA93212                                                                                     | RECOMMENDED CABLE (FPC) (SFW__R-3/4ST__)                                            |
| JSA93213  | RECOMMENDED CABLE (FFC) (SFW__R-3/4ST__)                                            |
| GS-20-130                                                                                    | HANDLING PROCEDURES                                                                 |

NOTE

1. 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 406 ISO 1101 |                       | projection  |  | product family 58RF                                                               |  | CODE JP |        |
| ltr           | ecn no         | dr   | date       | tolerances unless otherwise specified   |                       | mm          |  | title<br>1mm SPACING FPC CONNECTOR DOCUMENT LIST<br>(Cat. No. : SFW__R-3/4STE1LF) |  |         |        |
| A             | J05-0055       | H.T  | 05-02-04   | angles                                  | linear                |                                                                                                |  |                                                                                   |  |         |        |
| B             | J06-0398       | H.T  | 06-09-26   |                                         |                       | scale       |  | dwg no JSA 96338 sheet 1 of 1 size A4                                             |  |         |        |
| C             | S09-0180       | DGOH | 09-05-28   |                                         |                       |                                                                                                |  |                                                                                   |  |         |        |
| D             | J09-0363       | M.Y  | 2009-10-8  | dr                                      | M.YAHAGITA 2009-10-27 |             |  | type Product Customer Drawing                                                     |  |         |        |
| E             | J09-0380       | M.Y  | 2009-10-27 | engr                                    | M.YAHAGITA 2009-10-27 |                                                                                                |  |                                                                                   |  |         |        |
|               |                |      |            | chr                                     | S. Yamada 2009-10-27  |                                                                                                |  |                                                                                   |  |         |        |
|               |                |      |            | appd                                    | S. Yamada 2009-10-27  |                                                                                                |  |                                                                                   |  |         |        |
| sheet index   | revision sheet | E    | 1          |                                         |                       |                                                                                                |  |                                                                                   |  |         | Rev. E |

## 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-3/4ST__LF  | 9.8                | 8.6     | 3.0     | 3.92    |
| 5                   | SFW5R-3/4ST__LF  | 10.8               | 9.6     | 4.0     | 4.92    |
| 6                   | SFW6R-3/4ST__LF  | 11.8               | 10.6    | 5.0     | 5.92    |
| 7                   | SFW7R-3/4ST__LF  | 12.8               | 11.6    | 6.0     | 6.92    |
| 8                   | SFW8R-3/4ST__LF  | 13.8               | 12.6    | 7.0     | 7.92    |
| 9                   | SFW9R-3/4ST__LF  | 14.8               | 13.6    | 8.0     | 8.92    |
| 10                  | SFW10R-3/4ST__LF | 15.8               | 14.6    | 9.0     | 9.92    |
| 11                  | SFW11R-3/4ST__LF | 16.8               | 15.6    | 10.0    | 10.92   |
| 12                  | SFW12R-3/4ST__LF | 17.8               | 16.6    | 11.0    | 11.92   |
| 13                  | SFW13R-3/4ST__LF | 18.8               | 17.6    | 12.0    | 12.92   |
| 14                  | SFW14R-3/4ST__LF | 19.8               | 18.6    | 13.0    | 13.92   |
| 15                  | SFW15R-3/4ST__LF | 20.8               | 19.6    | 14.0    | 14.92   |
| 16                  | SFW16R-3/4ST__LF | 21.8               | 20.6    | 15.0    | 15.92   |
| 17                  | SFW17R-3/4ST__LF | 22.8               | 21.6    | 16.0    | 16.92   |
| 18                  | SFW18R-3/4ST__LF | 23.8               | 22.6    | 17.0    | 17.92   |
| 19                  | SFW19R-3/4ST__LF | 24.8               | 23.6    | 18.0    | 18.92   |
| 20                  | SFW20R-3/4ST__LF | 25.8               | 24.6    | 19.0    | 19.92   |
| 21                  | SFW21R-3/4ST__LF | 26.8               | 25.6    | 20.0    | 20.92   |
| 22                  | SFW22R-3/4ST__LF | 27.8               | 26.6    | 21.0    | 21.92   |
| 23                  | SFW23R-3/4ST__LF | 28.8               | 27.6    | 22.0    | 22.92   |
| 24                  | SFW24R-3/4ST__LF | 29.8               | 28.6    | 23.0    | 23.92   |
| 25                  | SFW25R-3/4ST__LF | 30.8               | 29.6    | 24.0    | 24.92   |
| 26                  | SFW26R-3/4ST__LF | 31.8               | 30.6    | 25.0    | 25.92   |
| 27                  | SFW27R-3/4ST__LF | 32.8               | 31.6    | 26.0    | 26.92   |
| 28                  | SFW28R-3/4ST__LF | 33.8               | 32.6    | 27.0    | 27.92   |
| 29                  | SFW29R-3/4ST__LF | 34.8               | 33.6    | 28.0    | 28.92   |
| 30                  | SFW30R-3/4ST__LF | 35.8               | 34.6    | 29.0    | 29.92   |

CAT. NO. SFW (n) R - 3 ST \_\_ LF

SERIES NAME

NO. OF CONTACTS

RIGHT ANGLE TYPE

FOR FPC/FFC,  
WITH CABLE LOCK MECHANISM

CONTACT DIRECTION  
3. LOWER CONTACT TYPE  
4. UPPER CONTACT TYPE

FOR AUTOMATIC MOUNTING  
(SMT)

PACKAGE STYLE

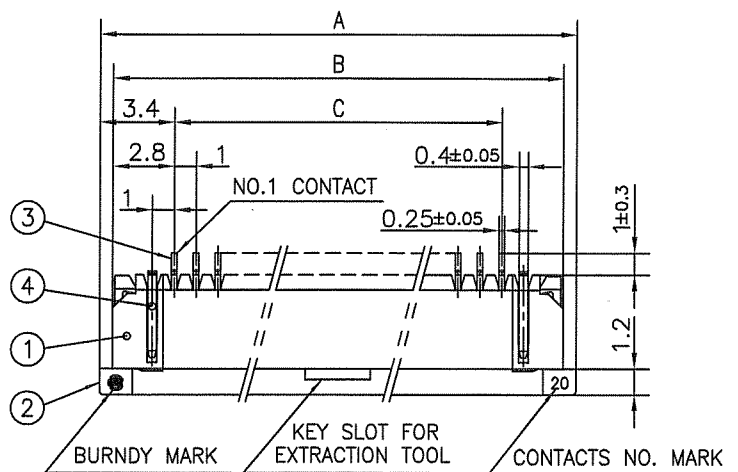
LEAD FREE

## NOTES

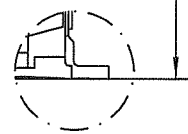
- THIS PRODUCT IS THE CONNECTOR USED FOR FPC/FFC AND COPE WITH AUTOMATIC MOUNTING (SMT).
- SEE PART DRAWINGS FOR DIMENSIONS A~D.
- THIS PRODUCT IS THE CONNECTOR WITH CABLE LOCK MECHANISM.

|             |                |     |           |                                       |                      |                              |           |            |     |                                                                                        |                               |         |  |  |  |
|-------------|----------------|-----|-----------|---------------------------------------|----------------------|------------------------------|-----------|------------|-----|----------------------------------------------------------------------------------------|-------------------------------|---------|--|--|--|
| 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 |                      |                              |           | mm         |     | title<br>CAT NO. TABLE FOR<br>1mm SPACING SMT CONNECTOR<br>(Cat. No. SFW__R-3/4ST__LF) |                               |         |  |  |  |
| AA          | J05-0055       | H.T | 2/4/'05   |                                       |                      |                              |           |            |     |                                                                                        |                               |         |  |  |  |
| AB          | J06-0398       | H.T | 9/26/'06  | angles                                | linear               |                              |           |            |     | dwg no sheet 1 of 1 size<br>JSA 95860 A4                                               |                               |         |  |  |  |
| AC          | J09-0363       | M.Y | 2009-10-8 |                                       |                      |                              |           |            |     |                                                                                        |                               |         |  |  |  |
|             |                |     |           | dr                                    | H.YAMASHITA          |                              | 2009-10-8 |            | FCJ |                                                                                        | type Product Customer Drawing |         |  |  |  |
|             |                |     |           | enr                                   | M.YAMASHITA          |                              | 2009-10-8 |            |     |                                                                                        |                               |         |  |  |  |
|             |                |     |           | chr                                   | S. W. T. H. C.       |                              | 2009-10-8 |            |     |                                                                                        |                               |         |  |  |  |
|             |                |     |           | appd                                  | J. M. H. L. A. N. D. |                              | 2009-10-8 |            |     |                                                                                        |                               |         |  |  |  |
| sheet index | revision sheet | AC  | 1         |                                       |                      |                              |           |            |     |                                                                                        |                               | Rev. AC |  |  |  |

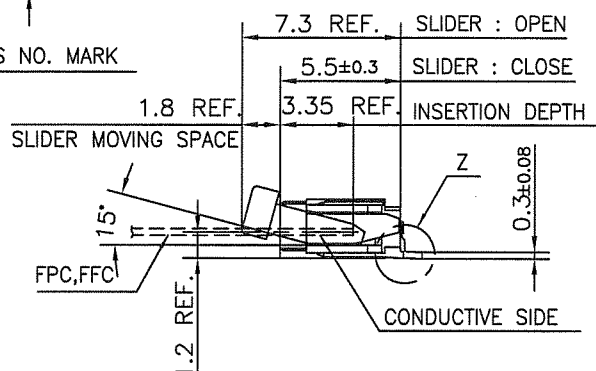
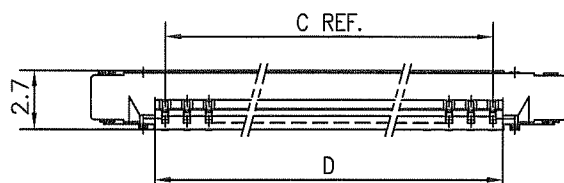
SC\_SFW11 JSA95861 95862 95863 95864 95865 93212 93213  
Form: A4



0.1  
(NOTE2)



DETAIL Z

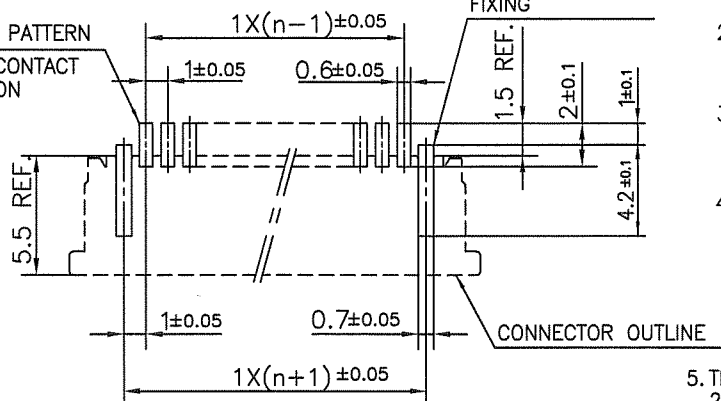


| PT. NO. | PARTS NAME     | MATERIAL                                | Q'TY | NOTE          |
|---------|----------------|-----------------------------------------|------|---------------|
| 1       | HOUSING        | PPS RESIN GLASS<br>REINFORCED (UL94V-0) | 1    | COLOR : BLACK |
| 2       | SLIDER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

n : NO. OF CONTACTS

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

BASIC PATTERN  
NO.1 CONTACT  
POSITION



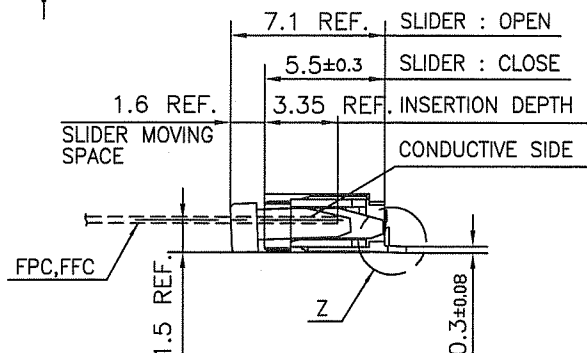
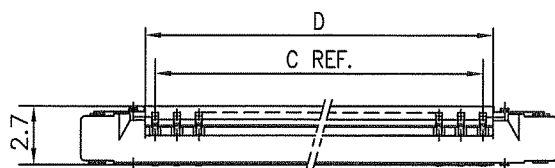
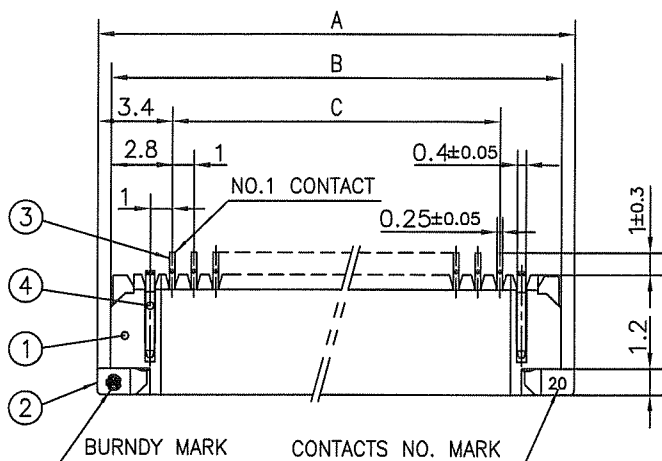
#### NOTES

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 LOWER CONTACT TYPE CONNECTOR WITH CABLE LOCK MECHANISM.
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.

|             |          |     |           |                                       |             |            |                           |      |                          |
|-------------|----------|-----|-----------|---------------------------------------|-------------|------------|---------------------------|------|--------------------------|
| mat'l. code |          |     |           | surface 58                            | tolerance   | projection | product family            | 58RF | CODE                     |
|             |          |     |           | ISO 1302                              | ISO 406     |            |                           |      | JP                       |
|             |          |     |           | tolerances unless otherwise specified |             |            | title                     |      |                          |
| ltr         | ecn no   | dr  | date      | angles                                | linear      | mm         | 1mm SPACING SMT CONNECTOR |      |                          |
| AA          | J04-0180 | H.T | 7/2/'04   |                                       | ±0.2        |            | (Cat. No. SFW__R-3ST__LF) |      |                          |
| AB          | J05-0055 | H.T | 2/4/'05   |                                       |             |            |                           |      |                          |
| AC          | J05-0736 | H.T | 10/28/'05 |                                       |             | scale X    |                           |      |                          |
| AD          | J06-0398 | H.T | 9/26/'06  | dr                                    | M.YAMASHITA | 2009-10-8  | dwg no                    |      | sheet 1 of 1             |
| AE          | J09-0363 | M.Y | 2009-10-8 | enr                                   | M.YAMASHITA | 2009-10-8  | JSA 95861                 |      | A4                       |
|             |          |     |           | chr                                   | S. Watanabe | 2009-10-8  | type                      |      | Product Customer Drawing |
|             |          |     |           | appd                                  | S. Chotani  | 2009-10-8  |                           |      |                          |
| sheet index | revision | AE  |           |                                       |             |            |                           |      | Rev. AE                  |
|             | sheet    | 1   |           |                                       |             |            |                           |      |                          |

SC\_SFW11 JSA95860  
form: A4

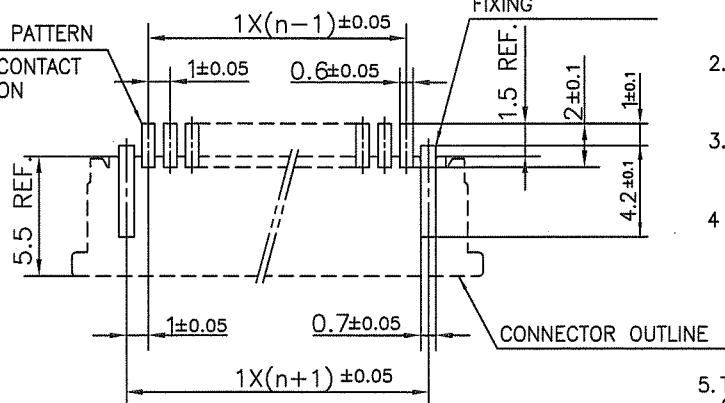


| PT. NO. | PARTS NAME     | MATERIAL                                | Q'TY | NOTE          |
|---------|----------------|-----------------------------------------|------|---------------|
| 1       | HOUSING        | PPS RESIN GLASS<br>REINFORCED (UL94V-0) | 1    | COLOR : BLACK |
| 2       | SLIDER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

n : NO. OF CONTACTS

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

BASIC PATTERN  
NO.1 CONTACT  
POSITION



#### 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 UPPER CONTACT TYPE CONNECTOR WITH CABLE LOCK MECHANISM.
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.

|             |                |     |           |                                       |                   |            |                                                                 |         |
|-------------|----------------|-----|-----------|---------------------------------------|-------------------|------------|-----------------------------------------------------------------|---------|
| mat'l. code |                |     |           | surface 58                            | tolerance ISO 406 | projection | product family 58RF                                             | CODE JP |
| ltr         | ecn no         | dr  | date      | ISO 1302                              | ISO 1101          | mm         | title<br>1mm SPACING SMT CONNECTOR<br>(Cat. No. SFW__R-4ST__LF) |         |
| AA          | J04-0180       | H.T | 7/2/'04   | tolerances unless otherwise specified | ±0.2              |            |                                                                 |         |
| AB          | J05-0055       | H.T | 2/4/'05   | angles                                | linear            | scale X    | dwg no sheet 1 of 1 size<br>JSA 95862 A4                        |         |
| AC          | J05-0736       | H.T | 10/28/'05 |                                       |                   |            |                                                                 |         |
| AD          | J06-0398       | H.T | 9/26/'06  | dr                                    | M. YAMASHITA      | FCI        | type Product Customer Drawing                                   |         |
| AE          | J09-0363       | M.Y | 2009-10-8 | enr                                   | M. YAMASHITA      |            |                                                                 |         |
|             |                |     |           | chr                                   | S. Nishida        |            |                                                                 |         |
|             |                |     |           | appd                                  | S. Nishida        |            |                                                                 |         |
| sheet index | revision sheet | AE  | 1         |                                       |                   |            |                                                                 | Rev. AE |

SC\_SF11 JSA95860  
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-3/4STE1 LF  | 20.4               | 16      | —       |
| 5                   | SFW5R-3/4STE1 LF  | 28.4               | 24      | —       |
| 6                   | SFW6R-3/4STE1 LF  | 28.4               | 24      | —       |
| 7                   | SFW7R-3/4STE1 LF  | 28.4               | 24      | —       |
| 8                   | SFW8R-3/4STE1 LF  | 28.4               | 24      | —       |
| 9                   | SFW9R-3/4STE1 LF  | 28.4               | 24      | —       |
| 10                  | SFW10R-3/4STE1 LF | 28.4               | 24      | —       |
| 11                  | SFW11R-3/4STE1 LF | 28.4               | 24      | —       |
| 12                  | SFW12R-3/4STE1 LF | 28.4               | 24      | —       |
| 13                  | SFW13R-3/4STE1 LF | 36.4               | 32      | 28.4    |
| 14                  | SFW14R-3/4STE1 LF | 36.4               | 32      | 28.4    |
| 15                  | SFW15R-3/4STE1 LF | 36.4               | 32      | 28.4    |
| 16                  | SFW16R-3/4STE1 LF | 36.4               | 32      | 28.4    |
| 17                  | SFW17R-3/4STE1 LF | 48.4               | 44      | 40.4    |
| 18                  | SFW18R-3/4STE1 LF | 48.4               | 44      | 40.4    |
| 19                  | SFW19R-3/4STE1 LF | 48.4               | 44      | 40.4    |
| 20                  | SFW20R-3/4STE1 LF | 48.4               | 44      | 40.4    |
| 21                  | SFW21R-3/4STE1 LF | 48.4               | 44      | 40.4    |
| 22                  | SFW22R-3/4STE1 LF | 48.4               | 44      | 40.4    |
| 23                  | SFW23R-3/4STE1 LF | 48.4               | 44      | 40.4    |
| 24                  | SFW24R-3/4STE1 LF | 48.4               | 44      | 40.4    |
| 25                  | SFW25R-3/4STE1 LF | 48.4               | 44      | 40.4    |
| 26                  | SFW26R-3/4STE1 LF | 48.4               | 44      | 40.4    |
| 27                  | SFW27R-3/4STE1 LF | 48.4               | 44      | 40.4    |
| 28                  | SFW28R-3/4STE1 LF | 60.4               | 56      | 52.4    |
| 29                  | SFW29R-3/4STE1 LF | 60.4               | 56      | 52.4    |
| 30                  | SFW30R-3/4STE1 LF | 60.4               | 56      | 52.4    |

CAT. NO.

SFW (n) R - 3 ST E1 LF

SERIES NAME

NO. OF CONTACTS

RIGHT ANGLE TYPE

FOR FPC/FFC,  
WITH CABLE LOCK MECHANISM

CONTACT DIRECTION

3. LOWER CONTACT TYPE

4. 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. THIS PRODUCT IS THE CONNECTOR WITH CABLE LOCK MECHANISM.

|             |                |      |             |                                                    |        |                                                                                                      |  |                                                                                                               |  |         |         |
|-------------|----------------|------|-------------|----------------------------------------------------|--------|------------------------------------------------------------------------------------------------------|--|---------------------------------------------------------------------------------------------------------------|--|---------|---------|
| mat'l. code |                |      |             | surface 58 / tolerance ISO 1302 ✓ ISO 406 ISO 1101 |        | projection                                                                                           |  | product family 58RF                                                                                           |  | CODE JP |         |
| ltr         | ecn no         | dr   | date        | tolerances unless otherwise specified              |        | <br>mm<br>scale X |  | title<br>CAT NO. TABLE FOR PLASTIC TAPE<br>PACKAGED 1mm SPACING SMT CONNECTOR<br>(Cat. No. SFW__R-3/4STE1 LF) |  |         |         |
| AA          | J05-0055       | H.T  | 2/4/05      | angles                                             | linear |                                                                                                      |  |                                                                                                               |  |         |         |
| AB          | J06-0398       | H.T  | 9/26/06     |                                                    |        |                                                                                                      |  | dwg no sheet 1 of 1 size<br>JSA 95863 A4                                                                      |  |         |         |
| AC          | J09-0363       | M.Y  | 2009-10-8   |                                                    |        |                                                                                                      |  |                                                                                                               |  |         |         |
|             |                | dr   | M.YAHASHITA | 2009-10-8                                          |        |                   |  | type Product Customer Drawing                                                                                 |  |         |         |
|             |                | enr  | M.YAHASHITA | 2009-10-8                                          |        |                                                                                                      |  |                                                                                                               |  |         |         |
|             |                | chr  | S. Kishida  | 2009-10-8                                          |        |                                                                                                      |  |                                                                                                               |  |         |         |
|             |                | appd | S. Chudawa  | 2009-10-8                                          |        |                                                                                                      |  |                                                                                                               |  |         |         |
| sheet index | revision sheet | AC   | 1           |                                                    |        |                                                                                                      |  |                                                                                                               |  |         | Rev. AC |

SC\_SFW11 JSA95860 95864 95865  
form: A4

1

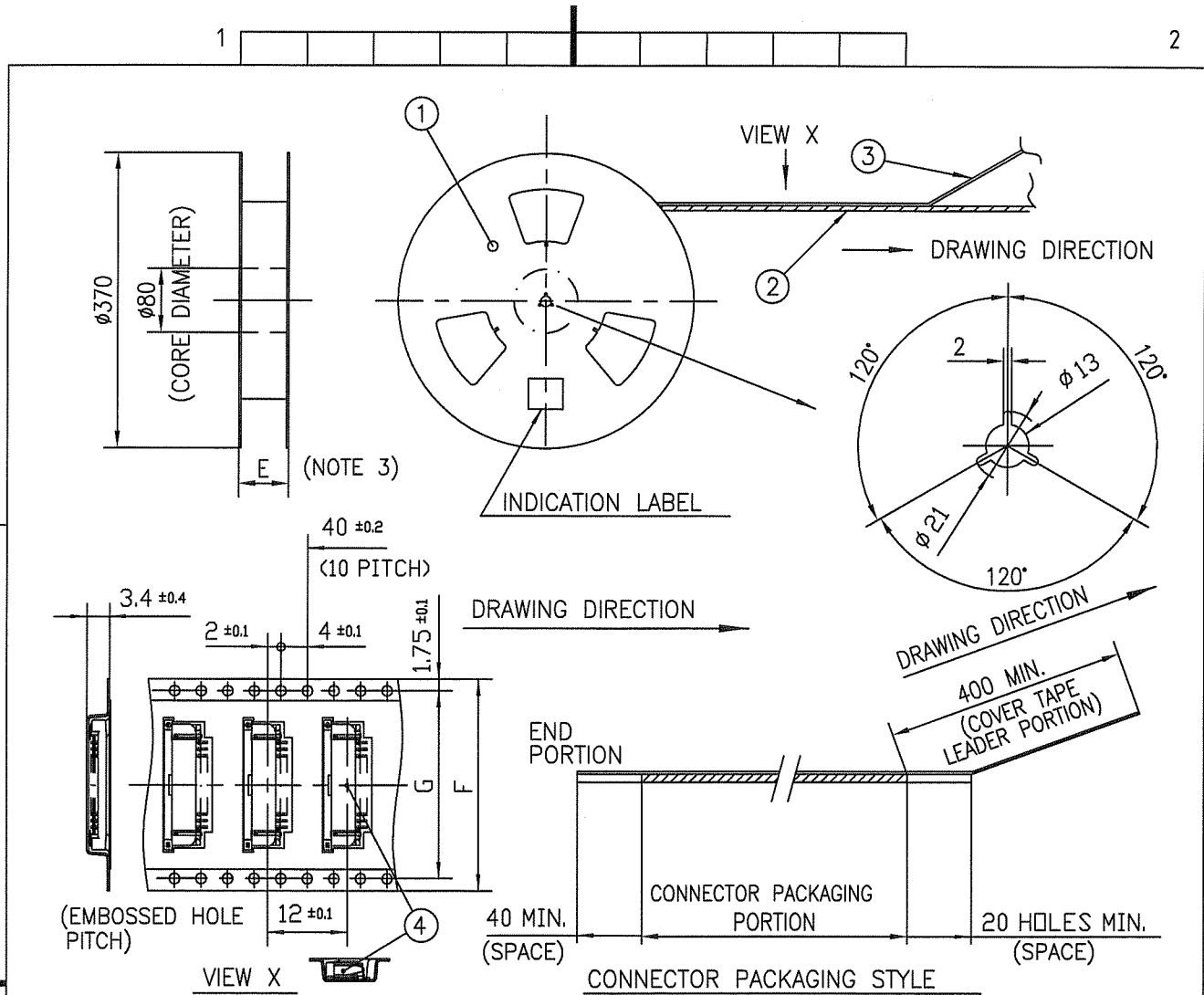
2





FCIconnect.com

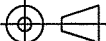
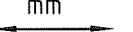
Copyright FCI.



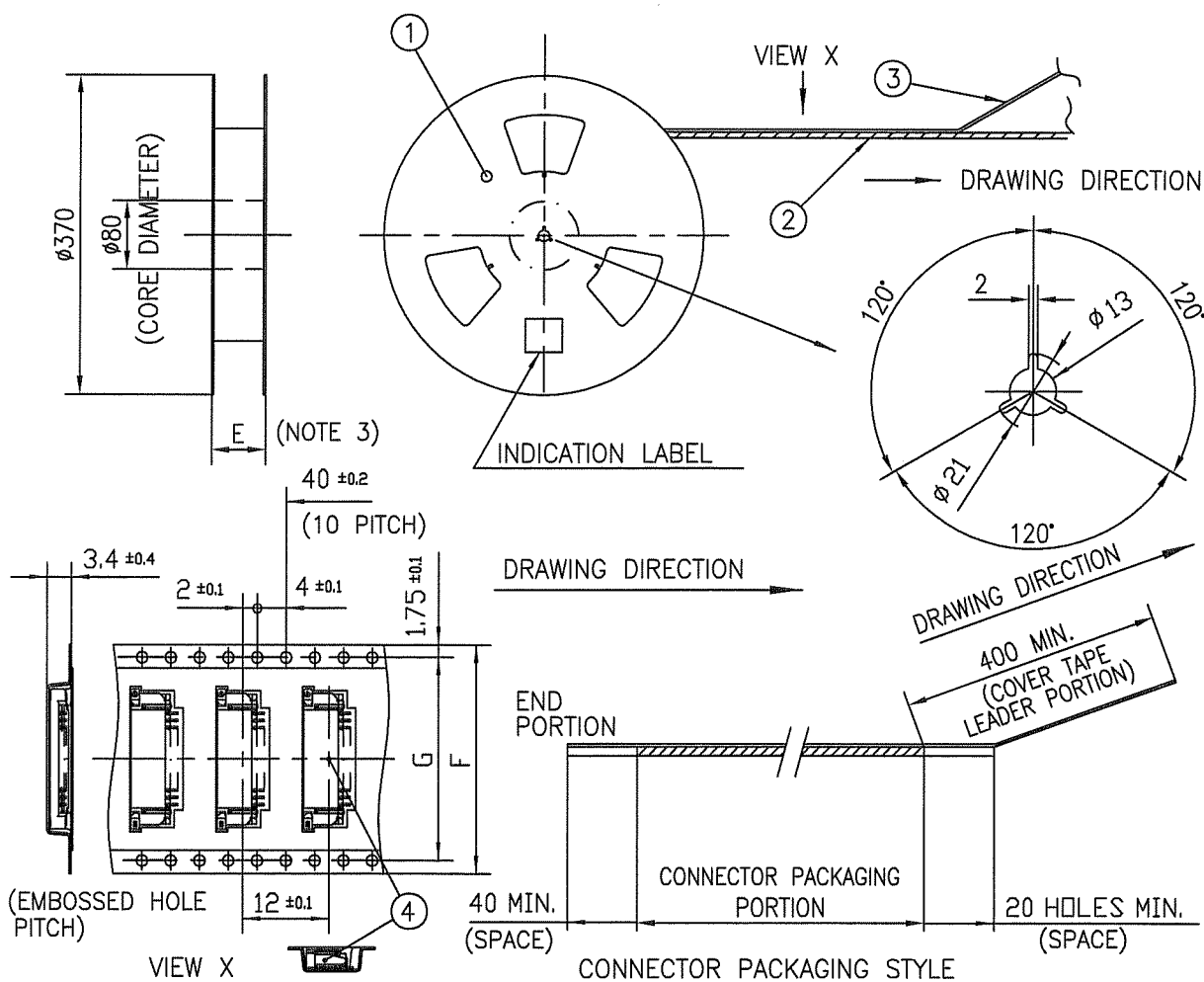
| PT. NO. | PARTS NAME            | CAT. NO.      | MATERIAL          | Q'TY  | NOTE               |
|---------|-----------------------|---------------|-------------------|-------|--------------------|
| 1       | REEL                  | _____         | CARDBOARD         | 1     | COLOR:WHITE       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

NOTES

1. THIS IS PLASTIC TAPE PACKAGED CONNECTOR WITH CABLE LOCK MECHANISM USED FOR FPC/FFC 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 (EMBOSS) TAPE AND REEL.
3. E DIMENSION IS PORTION OF THE CORE.

|             |          |          |           |                                       |              |                                  |           |                                                                                                   |                                                                                     |                                                                                     |                                                                                           |  |  |  |  |            |              |            |            |
|-------------|----------|----------|-----------|---------------------------------------|--------------|----------------------------------|-----------|---------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|--|--|--|--|------------|--------------|------------|------------|
| mat'l. code |          |          |           | surface<br>ISO 1302 ✓                 |              | tolerance<br>ISO 406<br>ISO 1101 |           | projection<br> |                                                                                     | product family<br>58RF                                                              |                                                                                           |  |  |  |  | CODE<br>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-3STE1 LF) |  |  |  |  |            |              |            |            |
| AA          | J05-0055 | H.T      | 2/4/'05   | angles                                |              | linear                           |           |                                                                                                   |                                                                                     |                                                                                     |                                                                                           |  |  |  |  |            |              | ±5         |            |
| AB          | J06-0398 | H.T      | 9/26/'06  |                                       |              |                                  |           |                                                                                                   |                                                                                     |                                                                                     |                                                                                           |  |  |  |  |            |              |            |            |
| AC          | J09-0363 | M.Y      | 2009-10-8 |                                       |              |                                  |           |                                                                                                   |                                                                                     |                                                                                     |                                                                                           |  |  |  |  |            |              |            | ±5'        |
|             |          |          |           | dr                                    | H. YAMAGUCHI |                                  | 2009-10-8 |                                                                                                   |  |                                                                                     | dwg no                                                                                    |  |  |  |  |            | sheet 1 of 1 |            | size<br>A4 |
|             |          |          |           | enr                                   | H. YAMAGUCHI |                                  | 2009-10-8 |                                                                                                   |                                                                                     |                                                                                     | JSA 95864                                                                                 |  |  |  |  |            |              |            |            |
|             |          |          |           | chr                                   | S. Kishida   |                                  | 2009-10-8 |                                                                                                   |                                                                                     |                                                                                     |                                                                                           |  |  |  |  |            |              |            |            |
|             |          |          |           | appd                                  | S. Chelani   |                                  | 2009-10-8 |                                                                                                   |                                                                                     |                                                                                     |                                                                                           |  |  |  |  |            |              |            |            |
| sheet index |          | revision |           | AC                                    |              |                                  |           |                                                                                                   |                                                                                     |                                                                                     |                                                                                           |  |  |  |  |            |              | Rev.<br>AC |            |
|             |          | sheet    |           | 1                                     |              |                                  |           |                                                                                                   |                                                                                     |                                                                                     |                                                                                           |  |  |  |  |            |              |            |            |

SC\_SFW11 JSA95863 form: A4



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

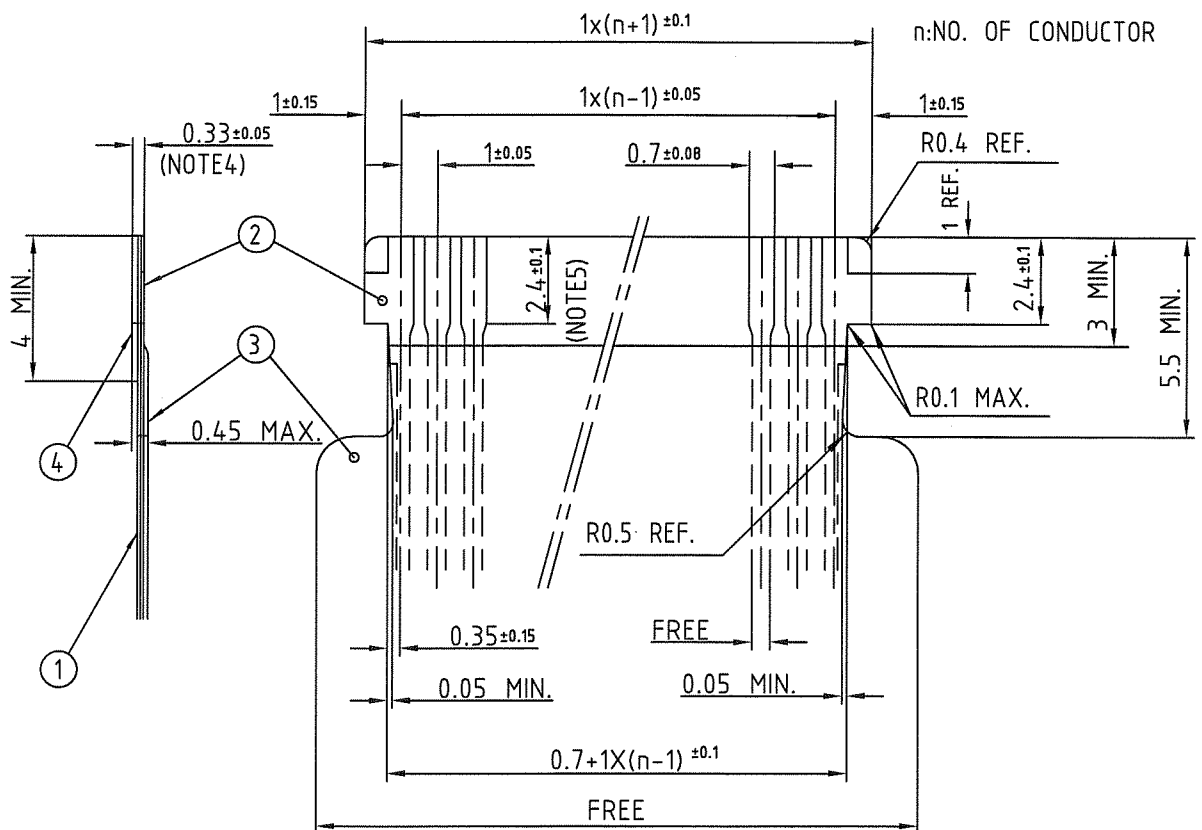
## NOTES

- THIS IS PLASTIC TAPE PACKAGED CONNECTOR WITH CABLE LOCK MECHANISM USED FOR 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 (EMBOSS) TAPE AND REEL.
- E DIMENSION IS PORTION OF THE CORE.

|             |          |     |           |                                       |                                  |                  |                                                                                          |            |
|-------------|----------|-----|-----------|---------------------------------------|----------------------------------|------------------|------------------------------------------------------------------------------------------|------------|
| mat'l. code |          |     |           | surface<br>ISO 1302 ✓                 | tolerance<br>ISO 406<br>ISO 1101 | projection<br>mm | product family<br>58RF                                                                   | CODE<br>JP |
| ltr         | ecn no   | dr  | date      | tolerances unless otherwise specified |                                  | mm               | title<br>PLASTIC TAPE PACKAGED<br>1mm SPACING SMT CONNECTOR<br>(Cat. No. SFW_R-4STE1 LF) |            |
| AA          | J05-0055 | H.T | 2/4/'05   | angles                                | linear                           |                  |                                                                                          |            |
| AB          | J06-0398 | H.T | 9/26/'06  | ±5°                                   |                                  |                  |                                                                                          |            |
| AC          | J09-0363 | M.Y | 2009-10-8 |                                       |                                  | scale X          | dwg no<br>sheet 1 of 1 size<br>JSA 95865<br>A4                                           |            |
|             |          |     |           | dr                                    | M.YAMASHITA                      | 2009-10-8        |                                                                                          |            |
|             |          |     |           | enr                                   | M.YAMASHITA                      | 2009-10-8        |                                                                                          |            |
|             |          |     |           | chr                                   | S. Kishida                       | 2009-10-8        | type Product Customer Drawing                                                            |            |
|             |          |     |           | appd                                  | S. Andama                        | 2009-10-8        |                                                                                          |            |
| sheet index | revision | AC  |           |                                       |                                  |                  |                                                                                          | Rev. AC    |

SC\_SFW11 JSA95863  
form: A4

# RECOMMENDED CABLE (FPC)



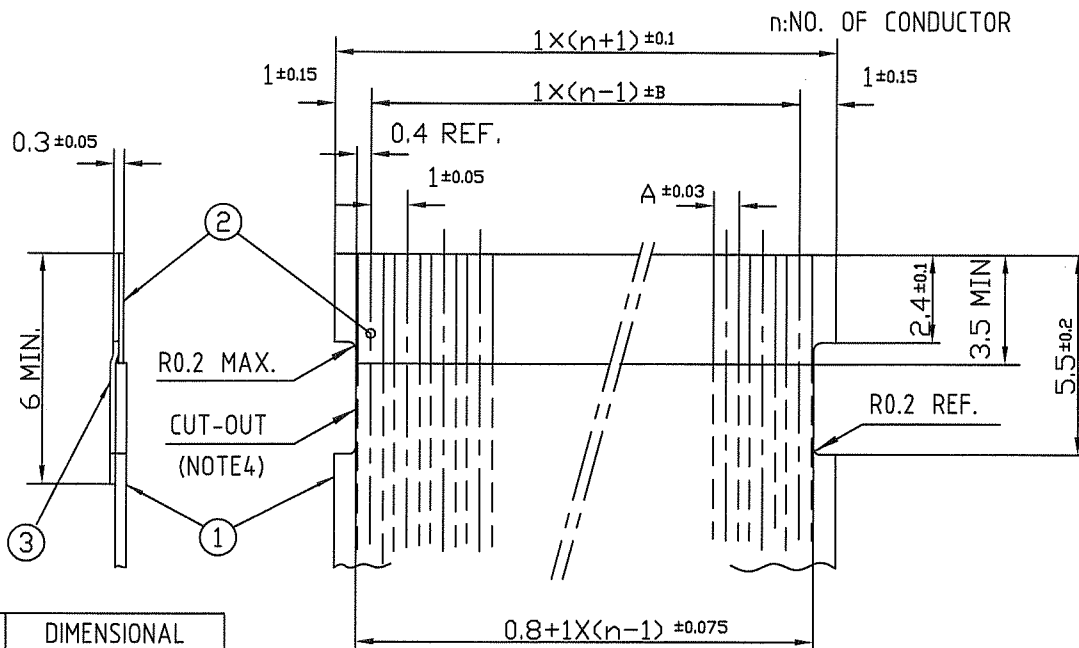
| PT. NO. | PARTS NAME      | MATERIAL                               | THICKNESS (um) |
|---------|-----------------|----------------------------------------|----------------|
| 1       | BASE FILM       | POLYIMIDE OR POLYESTER OR EQUAL        | 25             |
| 2       | CONDUCTOR       | COPPER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

- NOTES
- THIS DRAWING INDICATES THE FPC USED THE CONNECTOR WITH CABLE LOCK MECHANISM.
  - NO BURR AT EACH PORTION.
  - NO PEELING IN COMMON USE.
  - TOTAL THICKNESS LIMIT OF EACH MATERIAL (INCLUDING ADHESIVE AGENT) IS SPECIFIED.
  - THIS DIMENSION INDICATES THE RANGE FOR  $0.7 \pm 0.08$  CONDUCTOR WIDTH.

|                            |  |  |  |                                                                                                                          |  |            |  |                       |  |                          |  |
|----------------------------|--|--|--|--------------------------------------------------------------------------------------------------------------------------|--|------------|--|-----------------------|--|--------------------------|--|
| mat'l. code                |  |  |  | surface 58 / tolerance ISO 1302 <input checked="" type="checkbox"/> ISO 406 <input checked="" type="checkbox"/> ISO 1101 |  | projection |  | product family 58RF   |  | CODE JP                  |  |
| ltr                        |  |  |  | tolerances unless otherwise specified                                                                                    |  |            |  | title                 |  |                          |  |
| ecn no                     |  |  |  | angles                                                                                                                   |  | linear     |  | RECOMMENDED CABLE     |  |                          |  |
| dr                         |  |  |  | linear                                                                                                                   |  | scale X    |  | (Cat. No. SFW_R-3/4_) |  |                          |  |
| date                       |  |  |  | dr                                                                                                                       |  | engr       |  | dwg no                |  | sheet 1 of 1             |  |
| 1                          |  |  |  | HYAMASHITA                                                                                                               |  | 2009-10-8  |  | JSA 93212             |  | size A4                  |  |
| AA J05-0055 H.T. 2/4/'05   |  |  |  | engr                                                                                                                     |  | 2009-10-8  |  | type                  |  | Product Customer Drawing |  |
| AB J06-0398 H.T. 9/26/'06  |  |  |  | chr                                                                                                                      |  | 2009-10-8  |  |                       |  |                          |  |
| AC J09-0363 M.Y. 2009-10-8 |  |  |  | appd                                                                                                                     |  | 2009-10-8  |  |                       |  |                          |  |
| sheet index                |  |  |  | revision                                                                                                                 |  | AC         |  |                       |  | Rev. AC                  |  |
| sheet                      |  |  |  | 1                                                                                                                        |  |            |  |                       |  |                          |  |



# RECOMMENDED CABLE (FFC)



| KIND OF FFC (NOTES5) | DIMENSIONAL TOLERANCE |      |
|----------------------|-----------------------|------|
|                      | A                     | B    |
| 1                    | 0.7                   | 0.1  |
| 2                    | 0.6                   | 0.07 |

| 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
- THIS DRAWING INDICATES THE FFC USED THE CONNECTOR WITH CABLE LOCK MECHANISM.
  - NO BURR AT EACH PORTION.
  - NO PEELING IN COMMON USE.
  - THERE IS A POSSIBILITY THAT THE CAT-OUT CROSSES THE CONDUCTOR BECAUSE OF DIMENSIONAL TOLERANCE.
  - EITHER KIND1 OR KIND2 OF FFC CAN ACCEPT DIMENSIONAL TOLERANCE a AND b.

|                           |  |                |  |                                                                                                                          |  |            |  |                       |  |              |  |
|---------------------------|--|----------------|--|--------------------------------------------------------------------------------------------------------------------------|--|------------|--|-----------------------|--|--------------|--|
| mat'l. code               |  |                |  | surface 58 / tolerance ISO 1302 <input checked="" type="checkbox"/> ISO 406 <input checked="" type="checkbox"/> ISO 1101 |  | projection |  | product family 58RF   |  | CODE JP      |  |
| ltr ecn no dr date        |  |                |  | tolerances unless otherwise specified                                                                                    |  |            |  | title                 |  |              |  |
| AA J05-0055 H.T 2/4/'05   |  |                |  | angles linear                                                                                                            |  | mm         |  | RECOMMENDED CABLE     |  |              |  |
| AB J06-0398 H.T 9/26/'06  |  |                |  |                                                                                                                          |  |            |  | (Cat. No. SFW_R-3/4_) |  |              |  |
| AC J09-0363 M.Y 2009-10-8 |  |                |  |                                                                                                                          |  | scale X    |  |                       |  |              |  |
|                           |  |                |  | dr H. YAMASHITA 2009-10-8                                                                                                |  |            |  | dwg no                |  | sheet 1 of 1 |  |
|                           |  |                |  | enr H. YAMASHITA 2009-10-8                                                                                               |  |            |  | JSA 93213             |  | size A4      |  |
|                           |  |                |  | chr S. W. L. 2009-10-8                                                                                                   |  |            |  |                       |  |              |  |
|                           |  |                |  | appd S. Anderson 2009-10-8                                                                                               |  |            |  |                       |  |              |  |
| sheet index               |  | revision sheet |  | AC 1                                                                                                                     |  |            |  |                       |  | Rev. AC      |  |