



## CAT. NO. &amp; DIMENSIONS

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

CAT. NO. HFW (n) R - 5 ST \_\_ LF

SERIES

NO. OF CONTACTS

RIGHT ANGLE TYPE

FOR CIC, CONTACT DIRECTION

5 : LOWER CONTACT TYPE  
6 : UPPER CONTACT TYPE

FOR AUTOMATIC MOUNTING (SMT)

PACKAGE STYLE

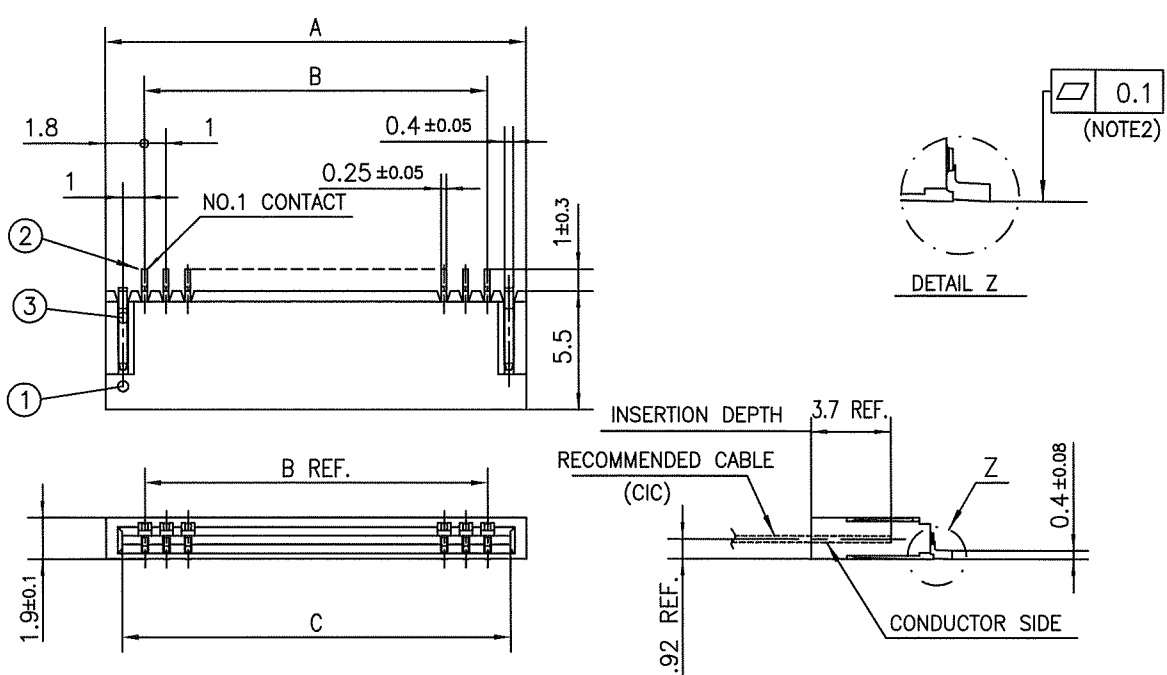
LEAD FREE

## NOTES

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

|             |          |          |         |                                       |  |                              |  |            |  |                                                                          |  |                          |      |
|-------------|----------|----------|---------|---------------------------------------|--|------------------------------|--|------------|--|--------------------------------------------------------------------------|--|--------------------------|------|
| mat'l. code |          |          |         | surface 58 / ISO 1302 ✓               |  | tolerance ISO 406 / ISO 1101 |  | projection |  | product family 58NF                                                      |  | CODE JP                  |      |
| ltr         | ecn no   | dr       | date    | tolerances unless otherwise specified |  | mm                           |  | scale      |  | title                                                                    |  |                          |      |
| A           | J07-0397 | H.T.     | 7/27/07 | angles linear                         |  | mm                           |  | X          |  | CAT. NO. TABLE FOR 1mm SPACING SMT CONNECTOR (Cat. No. HFW__R-5/6ST__LF) |  |                          |      |
|             |          |          |         | dr                                    |  | 7/27/07                      |  | FCI        |  | dwg no                                                                   |  | sheet 1 of 1             | size |
|             |          |          |         | enr                                   |  | 7/27/07                      |  |            |  | JSA 97339                                                                |  | A4                       |      |
|             |          |          |         | chr                                   |  | 7/27/07                      |  |            |  | type                                                                     |  | Product Customer Drawing |      |
|             |          |          |         | appd                                  |  | 7/27/07                      |  |            |  |                                                                          |  |                          |      |
| sheet index |          | revision |         | A                                     |  |                              |  |            |  |                                                                          |  | Rev. A                   |      |
| sheet       |          | 1        |         |                                       |  |                              |  |            |  |                                                                          |  |                          |      |

SC-HFWR05 form: A4 JSA97340 97341 97342 97343 97344 97345



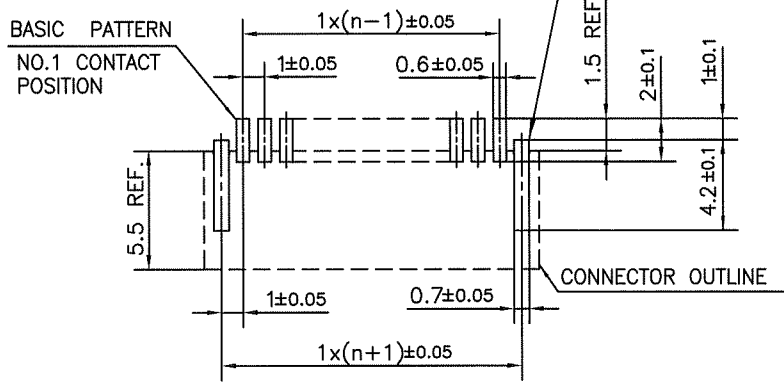
| PT. NO. | PARTS NAME     | MATERIAL                              | Q'TY | NOTE        |
|---------|----------------|---------------------------------------|------|-------------|
| 1       | HOUSING        | PA6T RESIN GLASS REINFORCED (UL94V-0) | 1    | COLOR:BLACK |
| 2       | CONTACT        | PHOSPHOR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

n : NO. OF CONTACTS

NOTES

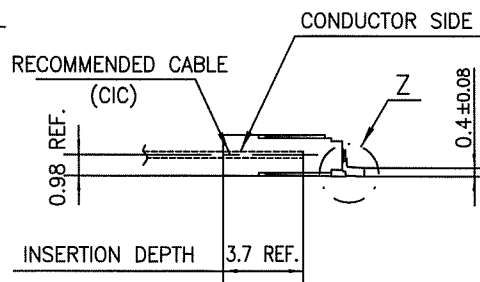
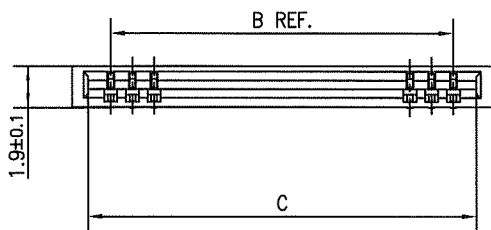
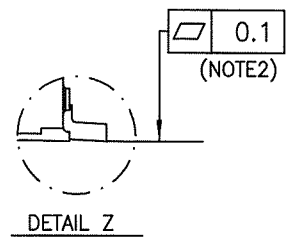
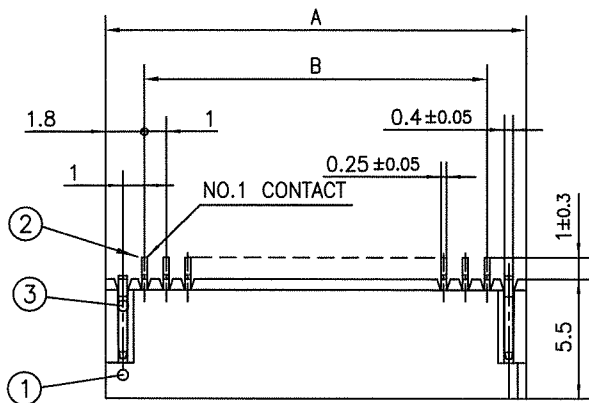
1. THIS PRODUCT IS THE CONNECTOR DESIGNED TO TERMINATE CIC AND COPE WITH AUTOMATIC MOUNTING (SMT).
2. FLATNESS OF CONTACT TERMINAL FOR HOUSING MUST BE WITHIN TOLERANCE IN Z PORTION DETAILED DRAWING.
3. THIS PRODUCT IS LOWER CONTACT TYPE CONNECTOR.
4. THIS PRODUCT MEETS EUROPEAN UNION DIRECTIVES AND OTHER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

RECOMMENDED PC BOARD LAYOUT (COMPONENT SIDE)



|             |          |     |         |                                       |           |            |                           |      |                          |
|-------------|----------|-----|---------|---------------------------------------|-----------|------------|---------------------------|------|--------------------------|
| mat'l. code |          |     |         | surface 58                            | tolerance | projection | product family            | 58NF | CODE                     |
|             |          |     |         | ISO 1302                              | ISO 406   |            |                           |      | JP                       |
|             |          |     |         | tolerances unless otherwise specified | ISO 1101  |            |                           |      |                          |
| ltr         | ecn no   | dr  | date    | angles                                | linear    | mm         | title                     |      |                          |
| A           | J07-0397 | H.T | 7/27/07 |                                       |           |            | 1mm SPACING SURFACE MOUNT |      |                          |
|             |          |     |         |                                       |           |            | CIC CONNECTOR             |      |                          |
|             |          |     |         |                                       |           |            | (Cat.No. HFW__R-5ST__LF)  |      |                          |
|             |          |     |         | dr                                    | 7/27/07   |            | dwg no                    |      | sheet 1 of 1             |
|             |          |     |         | enr                                   | 7/27/07   |            | JSA 97340                 |      | size                     |
|             |          |     |         | chr                                   | 7/27/07   |            |                           |      | A4                       |
|             |          |     |         | appd                                  | 7/27/07   |            | type                      |      | Product Customer Drawing |
| sheet index | revision | A   |         |                                       |           |            |                           |      | Rev                      |
|             | sheet    | 1   |         |                                       |           |            |                           |      | A                        |

SC-HFWR JSA97339  
form: A4

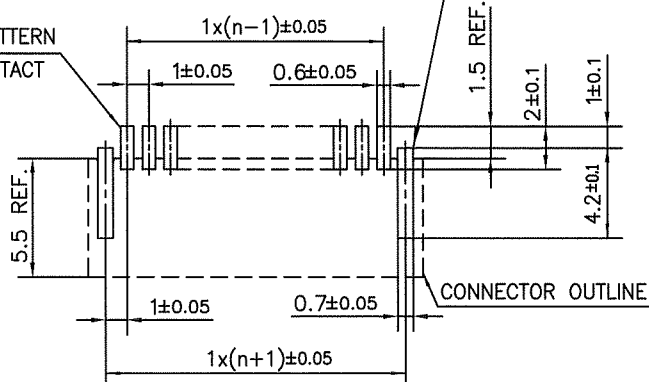


| PT. NO. | PARTS NAME     | MATERIAL                              | Q'TY | NOTE        |
|---------|----------------|---------------------------------------|------|-------------|
| 1       | HOUSING        | PA6T RESIN GLASS REINFORCED (UL94V-0) | 1    | COLOR:BLACK |
| 2       | CONTACT        | PHOSPHOR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

n : NO. OF CONTACTS

# RECOMMENDED PC BOARD LAYOUT (COMPONENT SIDE)

BASIC PATTERN  
NO.1 CONTACT  
POSITION



## NOTES

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

|             |          |            |         |                                                    |         |            |  |                                                                         |  |                          |      |
|-------------|----------|------------|---------|----------------------------------------------------|---------|------------|--|-------------------------------------------------------------------------|--|--------------------------|------|
| mat'l. code |          |            |         | surface 58 / tolerance ISO 1302 ✓ ISO 406 ISO 1101 |         | projection |  | product family 58NF                                                     |  | CODE JP                  |      |
| ltr         | ecn no   | dr         | date    | tolerances unless otherwise specified              |         | mm         |  | title                                                                   |  |                          |      |
| A           | J07-0397 | H.T        | 7/27/07 | angles                                             | linear  | mm         |  | 1mm SPACING SURFACE MOUNT<br>CIC CONNECTOR<br>(Cat. No. HFW__R-6ST__LF) |  |                          |      |
|             |          |            |         | dr                                                 | 7/27/07 | scale      |  | dwg no                                                                  |  | sheet 1 of 1             | size |
|             |          |            |         | enr                                                | 7/27/07 | FCI        |  | JSA 97341                                                               |  | A4                       |      |
|             |          |            |         | chr                                                | 7/27/07 |            |  | type                                                                    |  | Product Customer Drawing |      |
|             |          |            |         | appd                                               | 7/27/07 |            |  |                                                                         |  |                          |      |
| sheet index |          | revision A |         |                                                    |         |            |  |                                                                         |  | Rev. A                   |      |
| sheet 1     |          |            |         |                                                    |         |            |  |                                                                         |  |                          |      |

SC-HFWR05 JSA97339  
form: A4

## CAT. NO. &amp; DIMENSIONS

| (NOTE4) | NO. OF CONTACTS (n) | CAT. NO. (NOTE2) | DIMENSIONS (NOTE3) |         |         |
|---------|---------------------|------------------|--------------------|---------|---------|
|         |                     |                  | E ± 5              | F ± 0.3 | G ± 0.1 |
|         | 4                   | HFW4R-5/6STE1LF  | 28.4               | 24      | —       |
|         | 5                   | HFW5R-5/6STE1LF  | 28.4               | 24      | —       |
|         | 6                   | HFW6R-5/6STE1LF  | 28.4               | 24      | —       |
|         | 7                   | HFW7R-5/6STE1LF  | 28.4               | 24      | —       |
|         | 8                   | HFW8R-5/6STE1LF  | 28.4               | 24      | —       |
|         | 9                   | HFW9R-5/6STE1LF  | 28.4               | 24      | —       |
|         | 10                  | HFW10R-5/6STE1LF | 28.4               | 24      | —       |
|         | 11                  | HFW11R-5/6STE1LF | 28.4               | 24      | —       |
|         | 12                  | HFW12R-5/6STE1LF | 28.4               | 24      | —       |
|         | 13                  | HFW13R-5/6STE1LF | 28.4               | 24      | —       |
|         | 14                  | HFW14R-5/6STE1LF | 28.4               | 24      | —       |
|         | 15                  | HFW15R-5/6STE1LF | 36.4               | 32      | 28.4    |
|         | 16                  | HFW16R-5/6STE1LF | 36.4               | 32      | 28.4    |
|         | 17                  | HFW17R-5/6STE1LF | 36.4               | 32      | 28.4    |
|         | 18                  | HFW18R-5/6STE1LF | 36.4               | 32      | 28.4    |
|         | 19                  | HFW19R-5/6STE1LF | 48.4               | 44      | 40.4    |
|         | 20                  | HFW20R-5/6STE1LF | 48.4               | 44      | 40.4    |
|         | 21                  | HFW21R-5/6STE1LF | 48.4               | 44      | 40.4    |
|         | 22                  | HFW22R-5/6STE1LF | 48.4               | 44      | 40.4    |
|         | 23                  | HFW23R-5/6STE1LF | 48.4               | 44      | 40.4    |
|         | 24                  | HFW24R-5/6STE1LF | 48.4               | 44      | 40.4    |
|         | 25                  | HFW25R-5/6STE1LF | 48.4               | 44      | 40.4    |
|         | 26                  | HFW26R-5/6STE1LF | 48.4               | 44      | 40.4    |
|         | 27                  | HFW27R-5/6STE1LF | 48.4               | 44      | 40.4    |
| *       | 28                  | HFW28R-5/6STE1LF | 48.4               | 44      | 40.4    |
| *       | 29                  | HFW29R-5/6STE1LF | 48.4               | 44      | 40.4    |
|         | 30                  | HFW30R-5/6STE1LF | 60.4               | 56      | 52.4    |

CAT. NO.

HFW (n) R - 5 ST E1 LF

SERIES

NO. OF CONTACTS

RIGHT ANGLE TYPE

FOR CIC, CONTACT DIRECTION

5 : LOWER CONTACT TYPE

6 : UPPER CONTACT TYPE

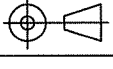
FOR AUTOMATIC MOUNTING (SMT)

TAPE PACKAGING

LEAD FREE

## NOTES

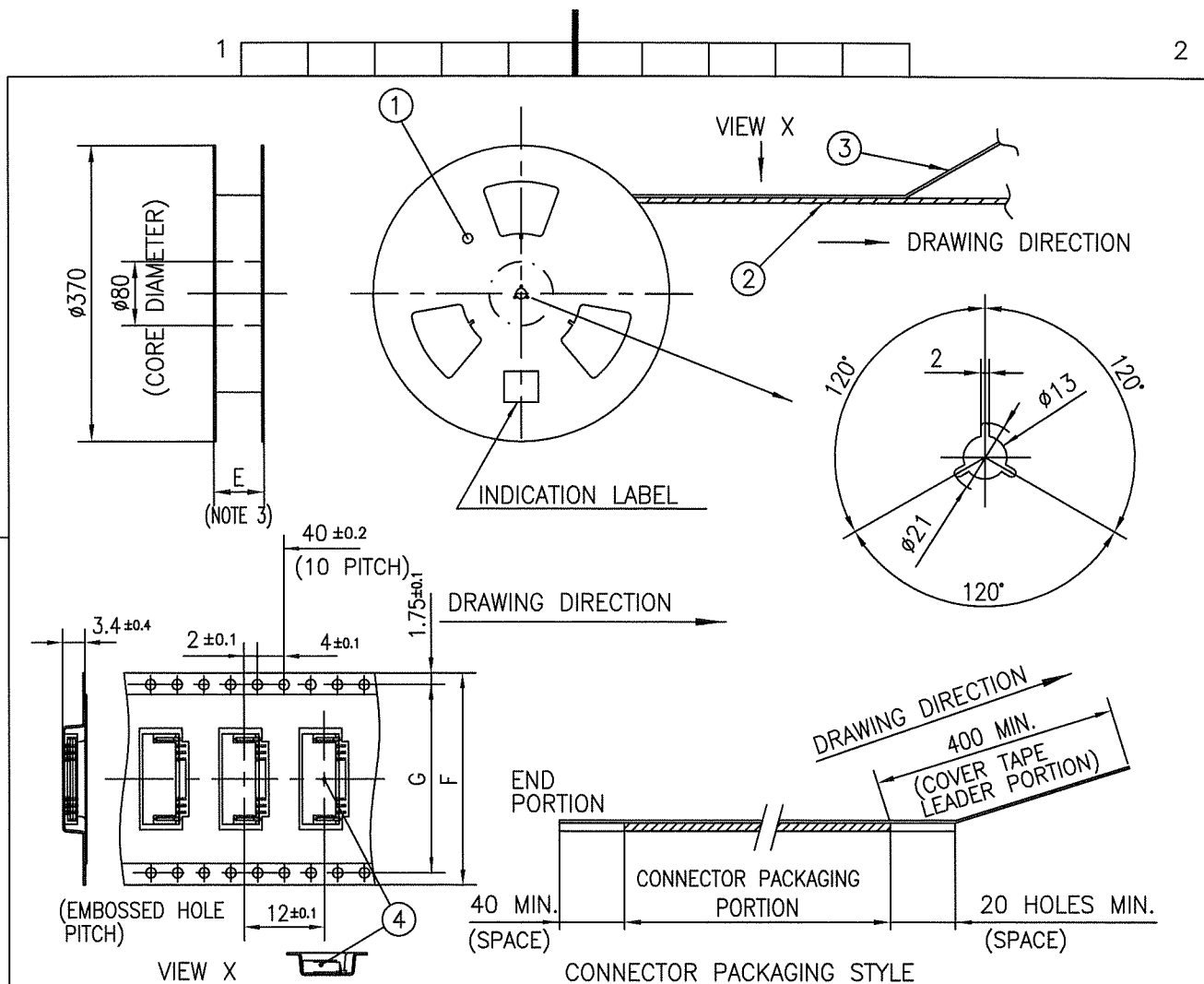
1. THIS PRODUCT IS THE CONNECTOR DESIGNED TO TERMINATE CIC AND COPE WITH AUTOMATIC MOUNTING (SMT).
2. THIS CATALOG NO. INDICATES PLASTIC TAPE PACKAGED CONNECTOR.
3. SEE PART DRAWINGS FOR DIMENSIONS E~G.
4. PLEASE CONSULT US IN CASE OF USING PARTS WITH \* MARK.

|             |          |     |         |                                                    |        |                                                                                                      |  |                                                                                                       |  |              |       |
|-------------|----------|-----|---------|----------------------------------------------------|--------|------------------------------------------------------------------------------------------------------|--|-------------------------------------------------------------------------------------------------------|--|--------------|-------|
| mat'l. code |          |     |         | surface 58 / tolerance ISO 1302 ✓ ISO 406 ISO 1101 |        | projection                                                                                           |  | product family 58NF                                                                                   |  | CODE JP      |       |
| ltr         | ecn no   | dr  | date    | tolerances, unless otherwise specified             |        | <br>mm<br>scale X |  | title<br>CAT. NO. TABLE FOR PLASTIC TAPE PACKAGED 1mm SPACING SMT CONN.<br>(Cat.No. HFW__R-5/6STE1LF) |  |              |       |
| A           | J07-0397 | H.T | 7/27/07 | angles                                             | linear |                                                                                                      |  |                                                                                                       |  |              |       |
|             |          |     |         | dr                                                 |        |                                                                                                      |  | dwg no                                                                                                |  | sheet 1 of 1 | size  |
|             |          |     |         | enr                                                |        |                                                                                                      |  | JSA 97342                                                                                             |  |              | A4    |
|             |          |     |         | chr                                                |        |                                                                                                      |  | type Product Customer Drawing                                                                         |  |              |       |
|             |          |     |         | appd                                               |        |                                                                                                      |  |                                                                                                       |  |              |       |
| sheet index | revision | A   |         |                                                    |        |                                                                                                      |  |                                                                                                       |  |              | Rev A |

SC-HFWR05 JSA97339 97343 97344  
form: A4

1

2



| PT. NO. | PARTS NAME               | CAT. NO.        | MATERIAL          | Q'TY | NOTE               |
|---------|--------------------------|-----------------|-------------------|------|--------------------|
| 1       | REEL                     | —               | CARDBOARD         | 1    | COLOR:WHITE        |
| 2       | PLASTIC (EMBOSSSED) TAPE | —               | PET               | —    | COLOR:TRANSPARENCY |
| 3       | COVER                    | —               | POLYESTER         | —    | COLOR:TRANSPARENCY |
| 4       | CONNECTOR                | HFWR__R-5ST__LF | SEE ATTACHED DWG. | 2000 | LOWER CONTACT TYPE |

#### NOTES

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

|             |          |      |         |                                                        |         |            |         |                                                     |  |         |  |
|-------------|----------|------|---------|--------------------------------------------------------|---------|------------|---------|-----------------------------------------------------|--|---------|--|
| mat'l. code |          |      |         | surface 58 / tolerance ISO 1302 ✓ / ISO 406 / ISO 1101 |         | projection |         | product family 58NF                                 |  | CODE JP |  |
| ltr         | ecn no   | dr   | date    | tolerances unless otherwise specified                  |         | mm         |         | title                                               |  |         |  |
| A           | J07-0397 | H.T. | 7/27/07 | angles                                                 | linear  | ±5         |         | 1mm SPACING SMT CONNECTOR (Cat.No. HFWR__R-5STE1LF) |  |         |  |
|             |          |      |         | ±5°                                                    |         | scale X    |         | dwg no sheet 1 of 1 size                            |  |         |  |
|             |          |      |         | dr                                                     | engr    | chr        | appd    | JSA 97343                                           |  | A4      |  |
|             |          |      |         | 7/27/07                                                | 7/27/07 | 7/27/07    | 7/27/07 | type Product Customer Drawing                       |  | Rev. A  |  |
| sheet index | revision | A    | 1       |                                                        |         |            |         |                                                     |  |         |  |

SC-HFWR05 JSA97342  
form: A4

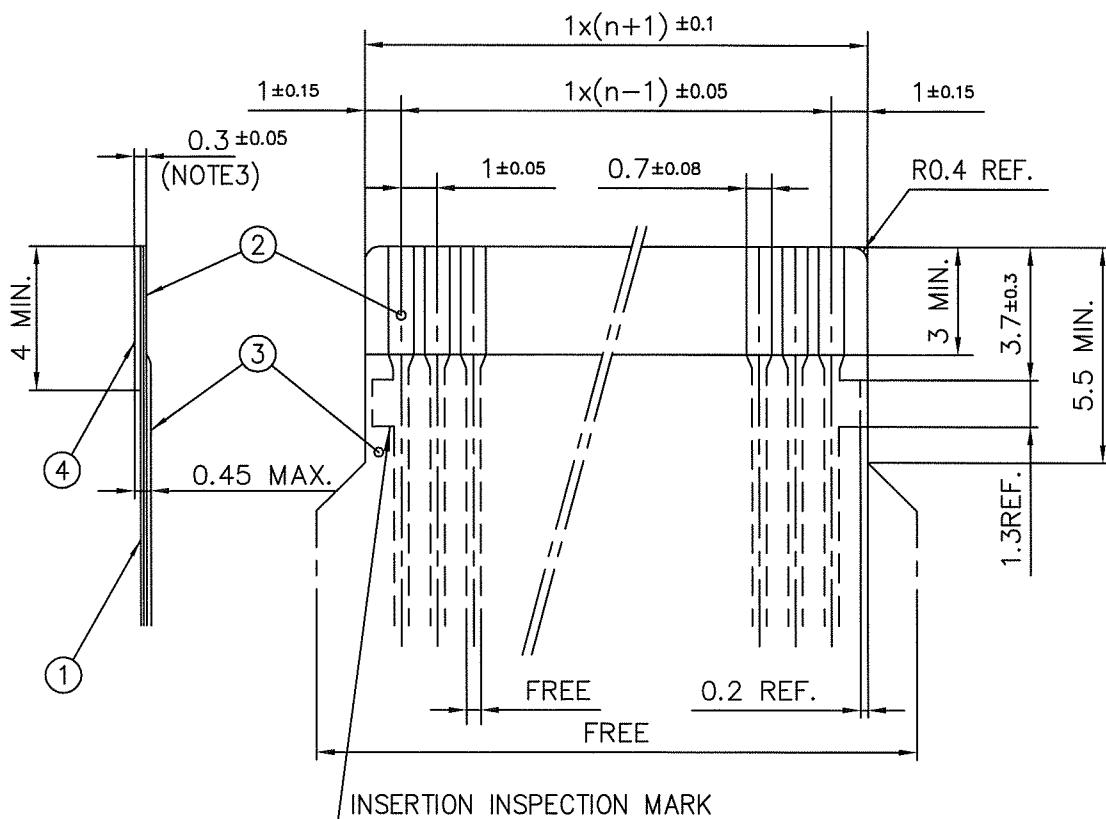


D

[illegible]

## RECOMMENDED CABLE (CIC)

n : NO. OF CONDUCTORS



| PT. NO. | DESCRIPTION     | MATERIAL                             | THICKNESS (μm) |     |
|---------|-----------------|--------------------------------------|----------------|-----|
| 1       | BASE FILM       | POLYIMIDE OR POLYESTER OR EQUIVALENT | 75             | 25  |
| 2       | CONDUCTOR       | CARBON PASTE OVER SILVER PASTE       | 10MIN.         |     |
| 3       | OVERLAY         | POLYIMIDE OR POLYESTER OR EQUIVALENT | —              |     |
| 4       | SUPPORTING TAPE | POLYESTER OR POLYIMIDE OR EQUIVALENT | 188            | 250 |

## NOTES

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

|             |          |     |         |                                                        |        |            |  |                               |  |                   |  |
|-------------|----------|-----|---------|--------------------------------------------------------|--------|------------|--|-------------------------------|--|-------------------|--|
| mat'l. code |          |     |         | surface 58 / tolerance ISO 1302 ✓ / ISO 406 / ISO 1101 |        | projection |  | product family 58NF           |  | CODE JP           |  |
| ltr         | ecn no   | dr  | date    | tolerances, unless otherwise specified                 |        | mm         |  | title                         |  |                   |  |
| A           | J07-0397 | H.T | 7/27/07 | angles                                                 | linear | mm         |  | RECOMMENDED CABLE (CIC)       |  |                   |  |
|             |          |     |         |                                                        |        |            |  | (Cat. No. HFW__R-5/6__)       |  |                   |  |
|             |          |     |         |                                                        |        |            |  | dwg no                        |  | sheet 1 of 1 size |  |
|             |          |     |         |                                                        |        |            |  | JSA 97345                     |  | A4                |  |
|             |          |     |         |                                                        |        |            |  | type Product Customer Drawing |  |                   |  |
| sheet index | revision | A   | 1       |                                                        |        |            |  |                               |  | Rev. A            |  |

Компания «Life Electronics» занимается поставками электронных компонентов импортного и отечественного производства от производителей и со складов крупных дистрибьюторов Европы, Америки и Азии.

С конца 2013 года компания активно расширяет линейку поставок компонентов по направлению коаксиальный кабель, кварцевые генераторы и конденсаторы (керамические, пленочные, электролитические), за счёт заключения дистрибьюторских договоров

Мы предлагаем:

- Конкурентоспособные цены и скидки постоянным клиентам.
- Специальные условия для постоянных клиентов.
- Подбор аналогов.
- Поставку компонентов в любых объемах, удовлетворяющих вашим потребностям.
- Приемлемые сроки поставки, возможна ускоренная поставка.
- Доставку товара в любую точку России и стран СНГ.
- Комплексную поставку.
- Работу по проектам и поставку образцов.
- Формирование склада под заказчика.
- Сертификаты соответствия на поставляемую продукцию (по желанию клиента).
- Тестирование поставляемой продукции.
- Поставку компонентов, требующих военную и космическую приемку.
- Входной контроль качества.
- Наличие сертификата ISO.

В составе нашей компании организован Конструкторский отдел, призванный помогать разработчикам, и инженерам.

Конструкторский отдел помогает осуществить:

- Регистрацию проекта у производителя компонентов.
- Техническую поддержку проекта.
- Защиту от снятия компонента с производства.
- Оценку стоимости проекта по компонентам.
- Изготовление тестовой платы монтаж и пусконаладочные работы.



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Email: [org@lifeelectronics.ru](mailto:org@lifeelectronics.ru)

[www.lifeelectronics.ru](http://www.lifeelectronics.ru)