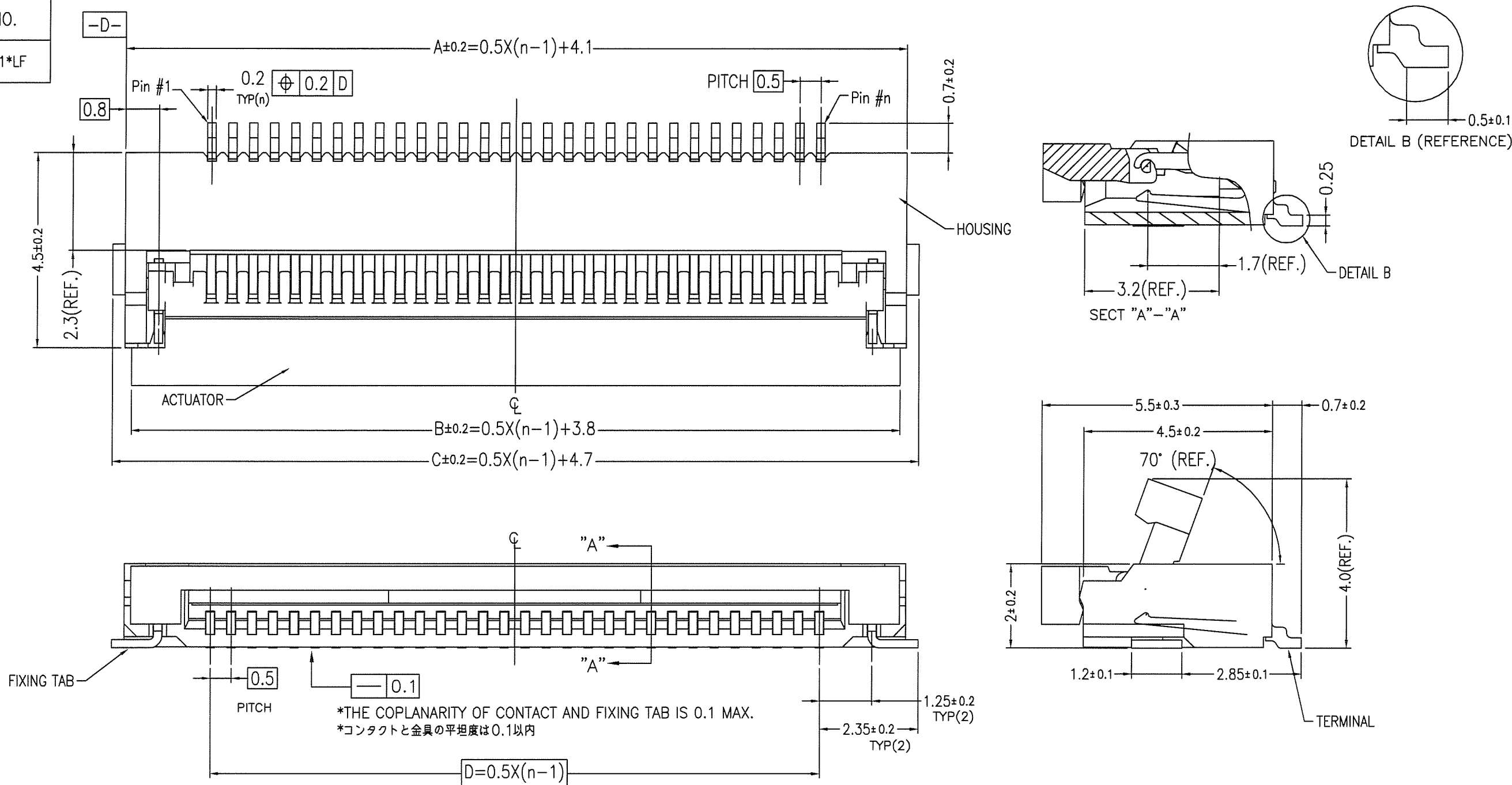




PRODUCT NO.

10085901-\*\*\*1\*LF



## NOTE

## 1.MATERIAL

- 1)HOUSING:THERMOPLASTIC RESIN,UL94V-0, NATURAL
- 2)ACTUATOR:THERMOPLASTIC RESIN,UL94V-0, BROWN
- 3)CONTACT:COPPER ALLOY (t=0.20)
- 4)FIXING TAB: COPPER ALLOY (t=0.20)

## 2.FINISH

- 1)CONTACT: ALL OVER Ni,Au FLASH.
- 2)FIXING TAB: ALL OVER Ni, Sn PLATING 1.5~3.5μm
- 3.CO-PLANARITY: 0.1 MAX.

## 5.RoHS

THIS PRODUCT MEETS EUROPEAN UNION DIRECTIVES AND OTHER COUNTRY REGULATIONSAS DESCRIBED IN GS-22-008.

## 注記

## 1.材料

- 1)ハウジング:耐熱性樹脂,UL94V-0, ナチュラル
- 2)アクチュエータ:耐熱性樹脂,UL94V-0, ナチュラル (茶色)
- 3)端子: 銅合金 (t=0.20)
- 4)固定金具: 銅合金 (t=0.20)

## 2.めっき

- 1)端子: Ni下地付き、Auフラッシュ
- 2)固定金具: Ni下地付き、めっき 1.5~3.5μm
- 3.コプラナリティ: 0.1 MAX.

## 5.RoHS

本製品は、GS-22-008に記載されたヨーロッパ適合指令と他国の規制に適合しています。

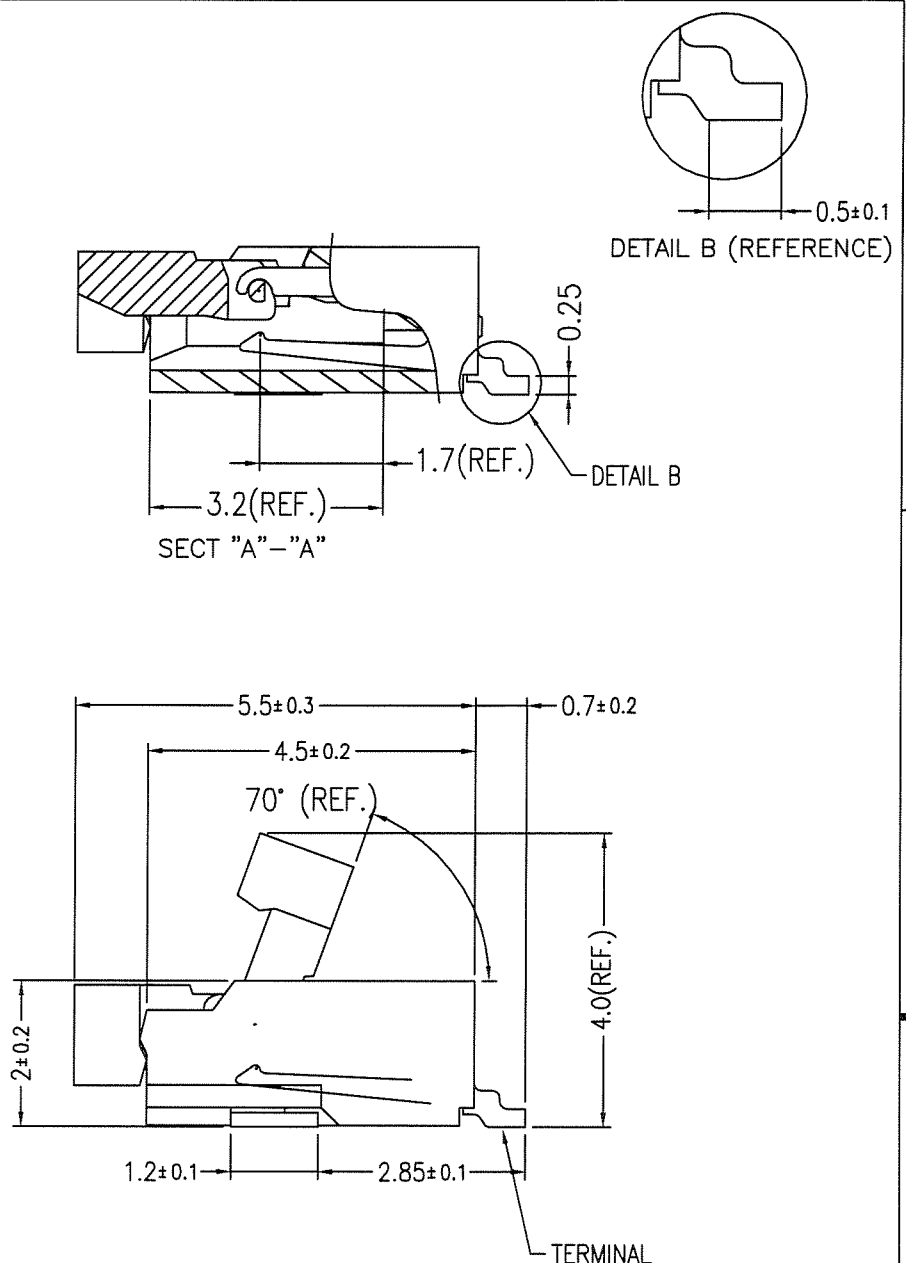
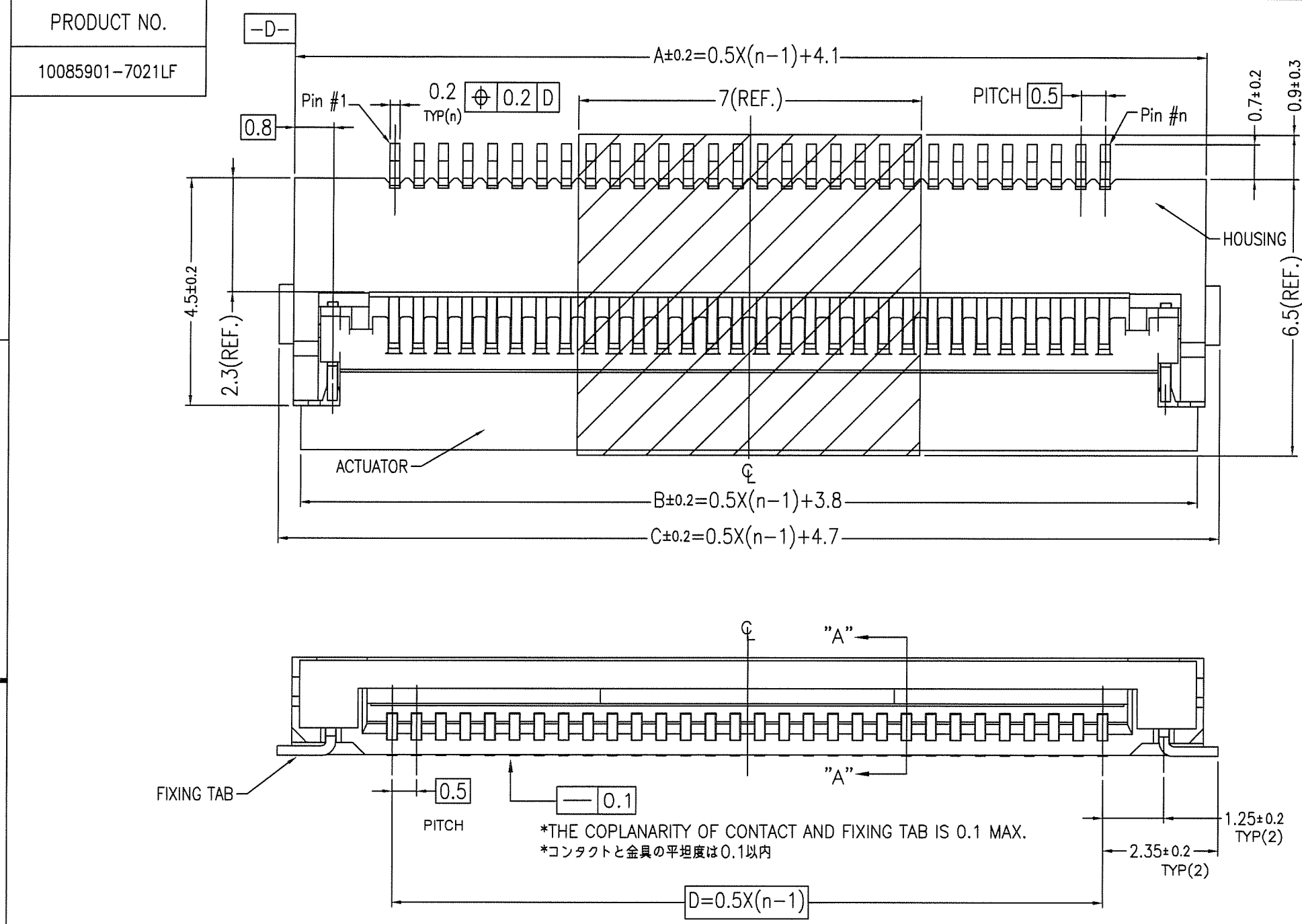
| mat'l. code |             |          |     |           | surface  | tolerance           | projection | product family                | CODE              |
|-------------|-------------|----------|-----|-----------|----------|---------------------|------------|-------------------------------|-------------------|
| ---         |             |          |     |           | ISO 1302 | ISO 406<br>ISO 1101 | MM         | 59KF FLEX 0.5                 | JP                |
| ltr         | description | ecn no   | dr  | date      | angles   | linear              | scale      | title                         |                   |
| A           | RELEASED    | J08-0278 | Y.K | 2008-6-27 |          | 0.X ±0.2            | 10:1       | ASSEMBLY                      |                   |
| B           | REVISED     | J09-0402 | Y.K | 2009-12-2 |          | 0.XX ±0.2           |            | 0.5mm PITCH CONNECTOR FOR FPC |                   |
| C           | REVISED     | J10-0079 | Y.K | 2010-4-5  |          | 0.XXX ±0.2          |            | VHC Series                    |                   |
|             |             |          |     |           | dr       | Y.KAMEDA            | 2010-4-5   | dwg no                        | sheet 2 of 6 size |
|             |             |          |     |           | enr      | Y.KAMEDA            | 2010-4-5   | 10085901                      | A3                |
|             |             |          |     |           | chr      | Y.KAMEDA            | 2010-4-5   | type Product Customer Drawing |                   |
|             |             |          |     |           | appd     | Y.KAMEDA            | 2010-4-5   |                               |                   |
| sheet       | revision    |          |     |           |          |                     |            | Rev.                          |                   |
| index       | sheet       |          |     |           |          |                     |            | C                             |                   |



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NOTE

1.MATERIAL

1)HOUSING:THERMOPLASTIC RESIN,UL94V-0, NATURAL

2)ACTUATOR:THERMOPLASTIC RESIN,UL94V-0, BROWN

3)CONTACT:COPPER ALLOY (t=0.20)

4)FIXING TAB: COPPER ALLOY (t=0.20)

5)COVER TAPE: POLYIMIDE TAPE (t=0.075)

2.FINISH

1)CONTACT: ALL OVER Ni,Au FLASH.

2)FIXING TAB: ALL OVER Ni , Sn PLATING 1.5~3.5μm

3.CO-PLANARITY: 0.1 MAX.

5.RoHS

THIS PRODUCT MEETS EUROPEAN UNION DIRECTIVES AND OTHER COUNTRY REGULATIONSAS DESCRIBED IN GS-22-008.

注記

1.材料

1)ハウジング:耐熱性樹脂,UL94V-0, ナチュラル

2)アクチュエータ:耐熱性樹脂,UL94V-0, ナチュラル (茶色)

3)端子: 銅合金 (t=0.20)

4)固定金具: 銅合金 (t=0.20)

5)接着テープ: ポリイミドテープ (t=0.075)

2.めっき

1)端子: Ni下地付き、Auフラッシュ

2)固定金具: Ni下地付き、銀めっき 1.5~3.5μm

3.コプラナリティ: 0.1 MAX.

5.RoHS

本製品は、GS-22-008に記載されたヨーロッパ指令と他国の規制に適合しています。

|                 |  |  |  |             |      |           |      |            |  |                |
|-----------------|--|--|--|-------------|------|-----------|------|------------|--|----------------|
| 10085901-7021LF |  |  |  | 38.6        | 38.3 | 39.2      | 34.5 | 40.3       |  |                |
| P/N             |  |  |  | A           | B    | C         | D    | E          |  |                |
| mat'l. code     |  |  |  | surface     |      | tolerance |      | projection |  | product family |
| ---             |  |  |  | ISO 1302    |      | ISO 406   |      | MM         |  | 59KF FLEX 0.5  |
|                 |  |  |  |             |      | ISO 1101  |      |            |  | CODE           |
| ltr             |  |  |  | description |      | ecn no    |      | dr         |  | date           |
| A               |  |  |  | RELEASED    |      | J08-0278  |      | Y.K        |  | 2008-6-27      |
| B               |  |  |  | REVISED     |      | J09-0402  |      | Y.K        |  | 2009-12-2      |
| C               |  |  |  | REVISED     |      | J10-0079  |      | Y.K        |  | 2010-4-5       |
|                 |  |  |  |             |      |           |      | dr         |  | Y.KAMEDA       |
|                 |  |  |  |             |      |           |      | enr        |  | Y.KAMEDA       |
|                 |  |  |  |             |      |           |      | chr        |  | 2010-4-5       |
|                 |  |  |  |             |      |           |      | appd       |  | Apr 5/10       |
| sheet           |  |  |  | revision    |      |           |      |            |  |                |
| index           |  |  |  | sheet       |      |           |      |            |  |                |
|                 |  |  |  |             |      |           |      |            |  | Rev.           |
|                 |  |  |  |             |      |           |      |            |  | C              |



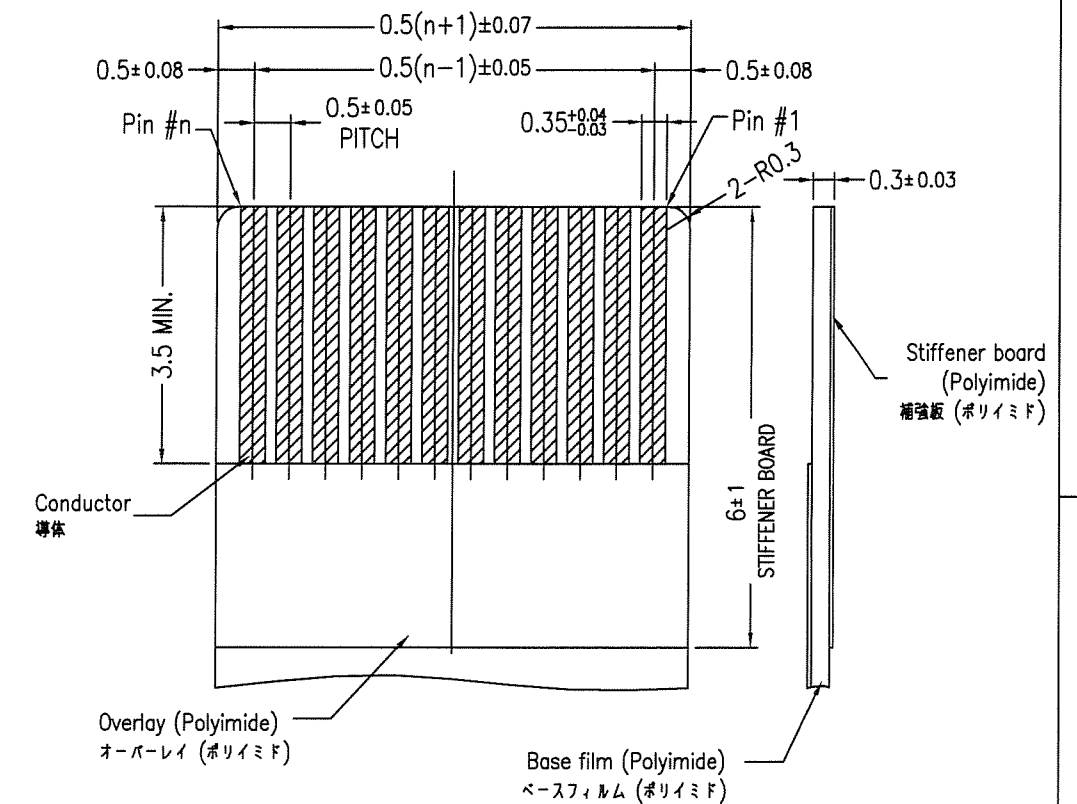
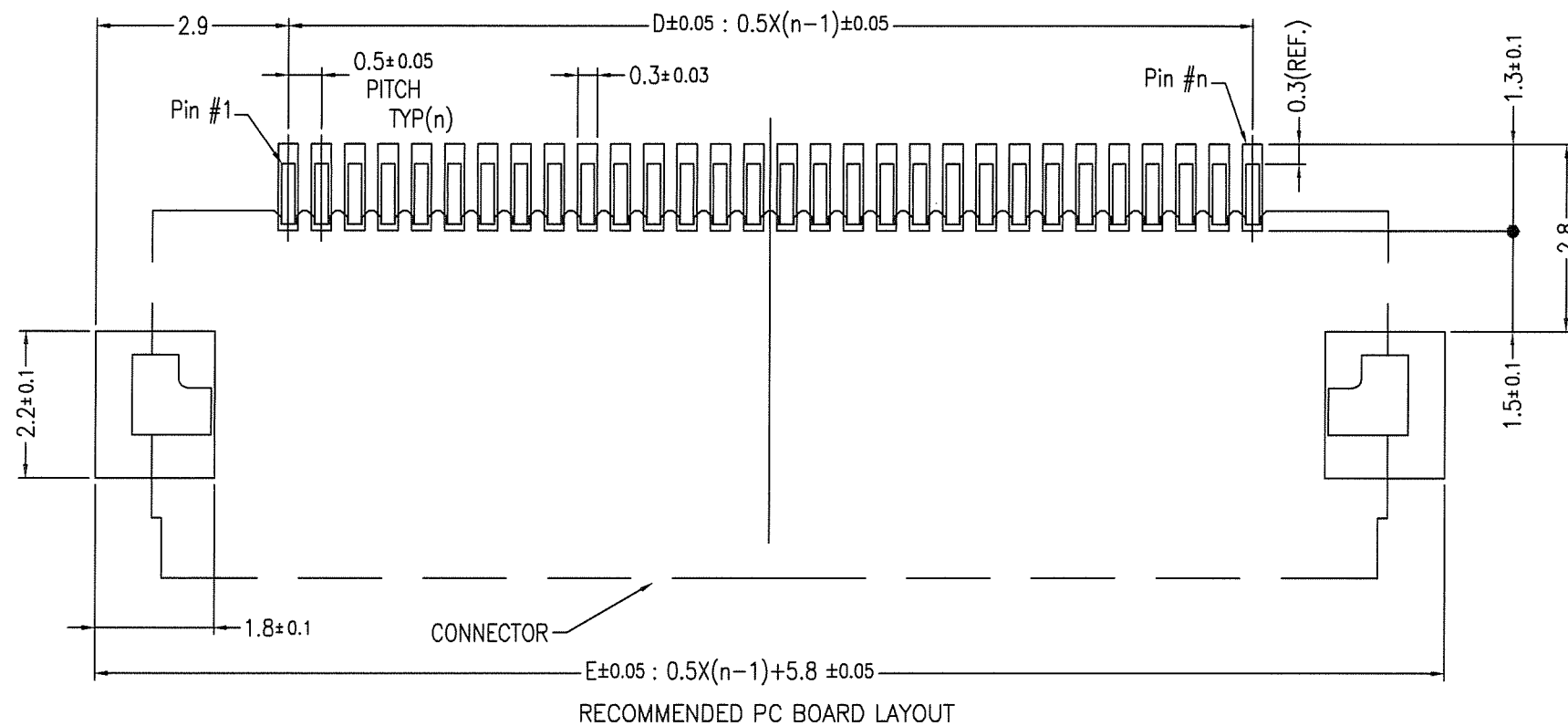


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PRODUCT NO.

10085901-\*\*\*1\*LF



RECOMMENDED FPC CONFIGURATION

## NOTE

- 1.THICKNESS OF A METAL MASK: 0.1mm
- 2.FPC / FFC  
ADHESIVE METHOD OF SUPPORTING TAPE SHALL BE HEAT CRIMPING METHOD AND THERMOSETTING ADHESIVE MATERIAL SHALL BE USED.
- 3.OTHER SPECIFICATIONS  
PRODUCT SPECIFICATION : GS-12-541  
APPLICATION SPECIFICATION : GS-20-105  
PACKAGING SPECIFICATION : GS-14-1264

## 注記

- 1.メタルマスク厚 : 0.1mm
- 2.FPC / FFC  
FPCの補強板接着剤には熱硬化接着剤を使用し、接着方式は熱圧着とする。
- 3.その他  
製品規格 : GS-12-541  
取り扱い説明書 : GS-20-105  
梱包規格 : GS-14-1264

|                 |      |      |      |      |      |  |
|-----------------|------|------|------|------|------|--|
| 10085901-7021LF | 38.6 | 38.3 | 39.2 | 34.5 | 40.3 |  |
| 10085901-601HLF | 33.6 | 33.3 | 34.2 | 29.5 | 35.3 |  |
| 10085901-601LF  | 33.6 | 33.3 | 34.2 | 29.5 | 35.3 |  |
| P/N             | A    | B    | C    | D    | E    |  |

|                    |                |          |     |           |                                       |                                  |                  |                                                                  |            |
|--------------------|----------------|----------|-----|-----------|---------------------------------------|----------------------------------|------------------|------------------------------------------------------------------|------------|
| mat'l. code<br>--- |                |          |     |           | surface<br>ISO 1302 ✓                 | tolerance<br>ISO 406<br>ISO 1101 | projection<br>MM | product family<br>59KF FLEX 0.5                                  | CODE<br>JP |
| ltr                | description    | ecn no   | dr  | date      | tolerances unless otherwise specified |                                  | MM               | title<br>ASSEMBLY<br>0.5mm PITCH CONNECTOR FOR FPC<br>VHC Series |            |
| B                  | RELEASED       | J09-0402 | Y.K | 2009-12-2 | angles                                | 0.X ±0.2                         |                  | dwg no<br>10085901                                               |            |
| C                  | REVISED        | J10-0079 | Y.K | 2010-4-5  | linear                                | 0.XX ±0.2                        |                  |                                                                  |            |
|                    |                |          |     |           | 0°±2'                                 | 0.XXX ±0.2                       | scale 10:1       | sheet 4 of 6 size<br>A3                                          |            |
|                    |                |          |     |           | dr                                    | Y.KAMEDA 2010-4-5                | FCI              | type Product Customer Drawing                                    |            |
|                    |                |          |     |           | enr                                   | Y.KAMEDA 2010-4-5                |                  |                                                                  |            |
|                    |                |          |     |           | chr                                   | Z. Shibata 2010-4-5              |                  |                                                                  |            |
|                    |                |          |     |           | appd                                  | M. Matsuda Apr 5/10              |                  |                                                                  |            |
| sheet index        | revision sheet |          |     |           |                                       |                                  |                  |                                                                  | Rev.<br>C  |

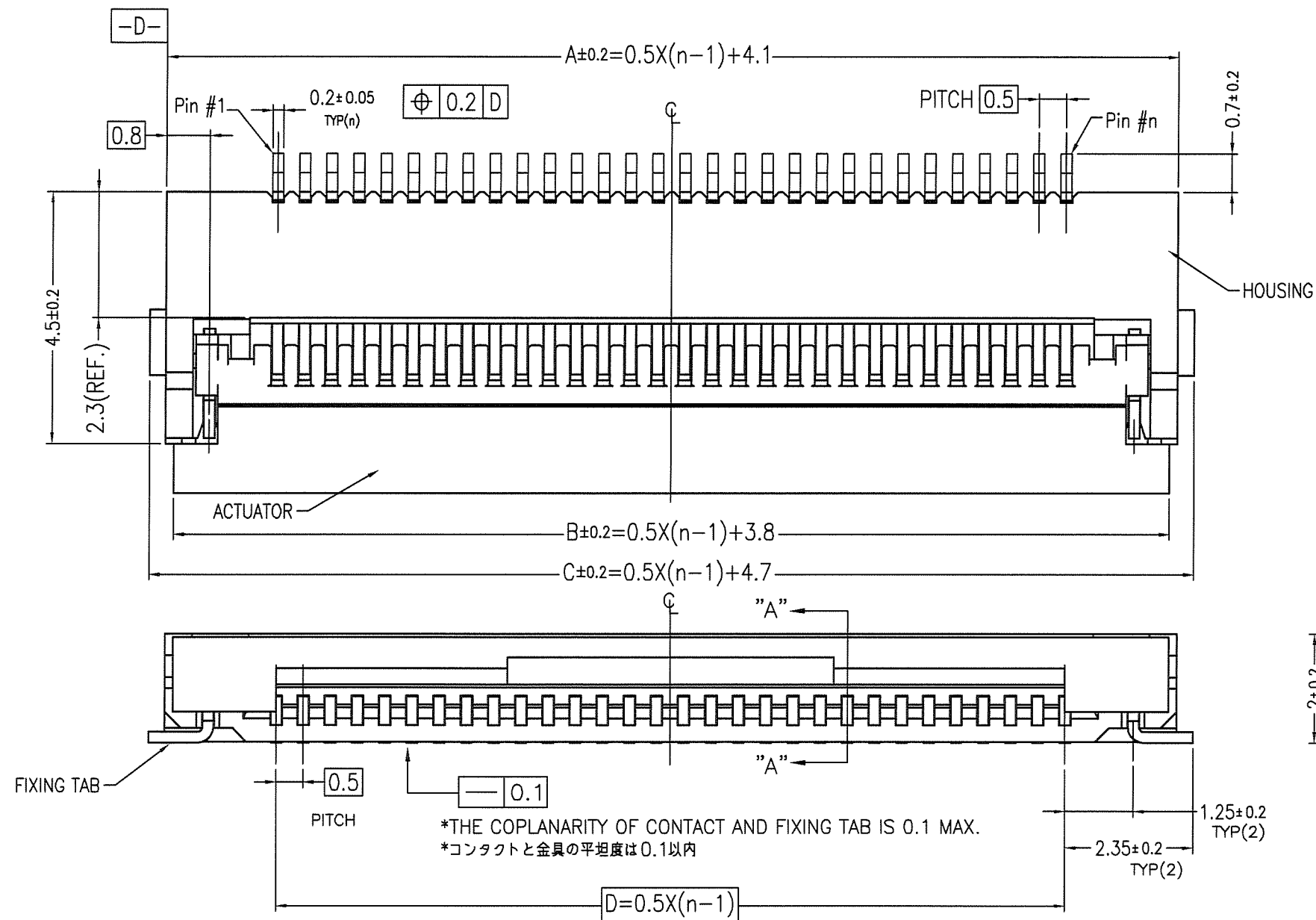


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PRODUCT NO.

10085901-\*\*-11LF



## NOTE

## 1.MATERIAL

- 1)HOUSING:THERMOPLASTIC RESIN,UL94V-0, NATURAL
- 2)ACTUATOR:THERMOPLASTIC RESIN,UL94V-0, BROWN
- 3)CONTACT:COPPER ALLOY (t=0.20)
- 4)FIXING TAB: COPPER ALLOY (t=0.20)

## 2.FINISH

- 1)CONTACT: ALL OVER Ni,Au FLASH.
- 2)FIXING TAB: ALL OVER Ni , Sn PLATING 1.5~3.5μm
- 3.CO-PLANARITY: 0.1 MAX.

## 5.RoHS

THIS PRODUCT MEETS EUROPEAN UNION DIRECTIVES AND OTHER  
COUNTRY REGULATIONSAS DESCRIBED IN GS-22-008

|             |             |          |      |            |                                       |            |                               |                          |
|-------------|-------------|----------|------|------------|---------------------------------------|------------|-------------------------------|--------------------------|
| mat'l. code |             |          |      | surface    | tolerance                             | projection | product family                | CODE                     |
| ---         |             |          |      | ISO 1302   | ISO 406<br>ISO 1101                   |            | 59KF FLEX 0.5                 | JP                       |
| ltr         | description | ecn no   | dr   | date       | tolerances unless otherwise specified | MM         | title                         |                          |
| B           | RELEASED    | J09-0402 | Y.K  | 2009-12-2  | 0.X ±0.2                              |            | ASSEMBLY                      |                          |
| C           | REVISED     | J10-0079 | Y.K  | 2010-4-5   | 0.XX ±0.2                             |            | 0.5mm PITCH CONNECTOR FOR FPC |                          |
|             |             |          |      |            | 0.XXX ±0.2                            | scale 10:1 | VHC Series                    |                          |
|             |             |          | dr   | Y.KAMEDA   | 2010-4-5                              |            | dwg no                        | sheet5 of 6 size         |
|             |             |          | enr  | Y.KAMEDA   | 2010-4-5                              |            | 10085901                      | A3                       |
|             |             |          | chr  | 7. Kikuchi | 2010-4-5                              |            |                               |                          |
|             |             |          | appd | MCMT       | Apr 5/10                              |            |                               |                          |
| sheet       | revision    |          |      |            |                                       |            | type                          | Product Customer Drawing |
| index       | sheet       |          |      |            |                                       |            |                               | Rev.                     |
|             |             |          |      |            |                                       |            |                               | C                        |

form: A3

PDM: Rev:C

STATUS Released

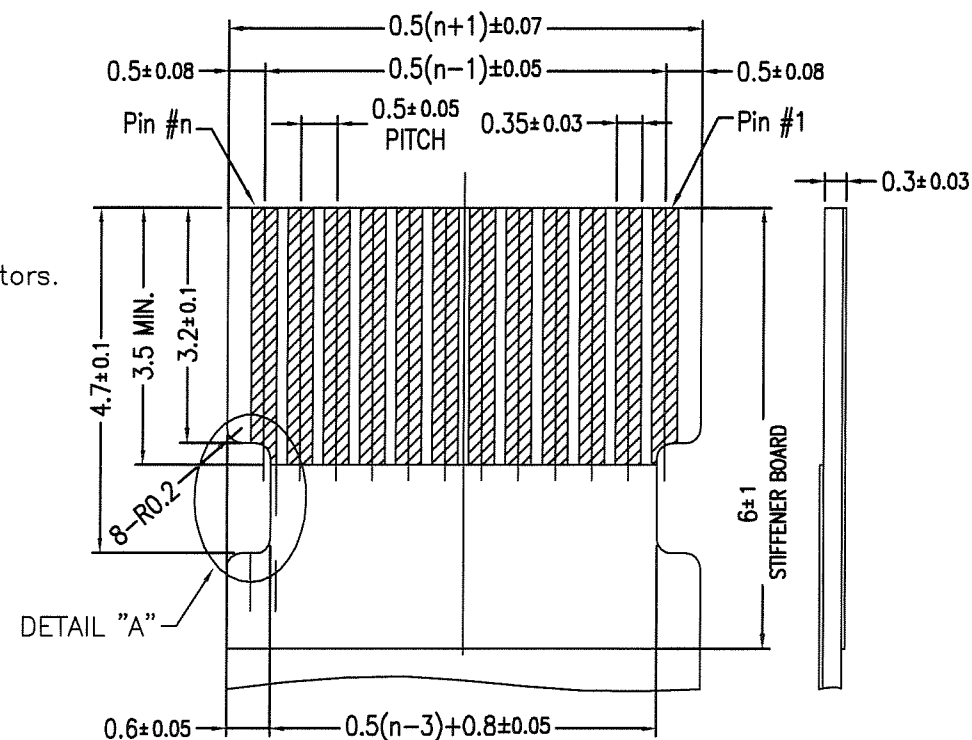
Printed: Apr 06, 2010

PRODUCT NO.

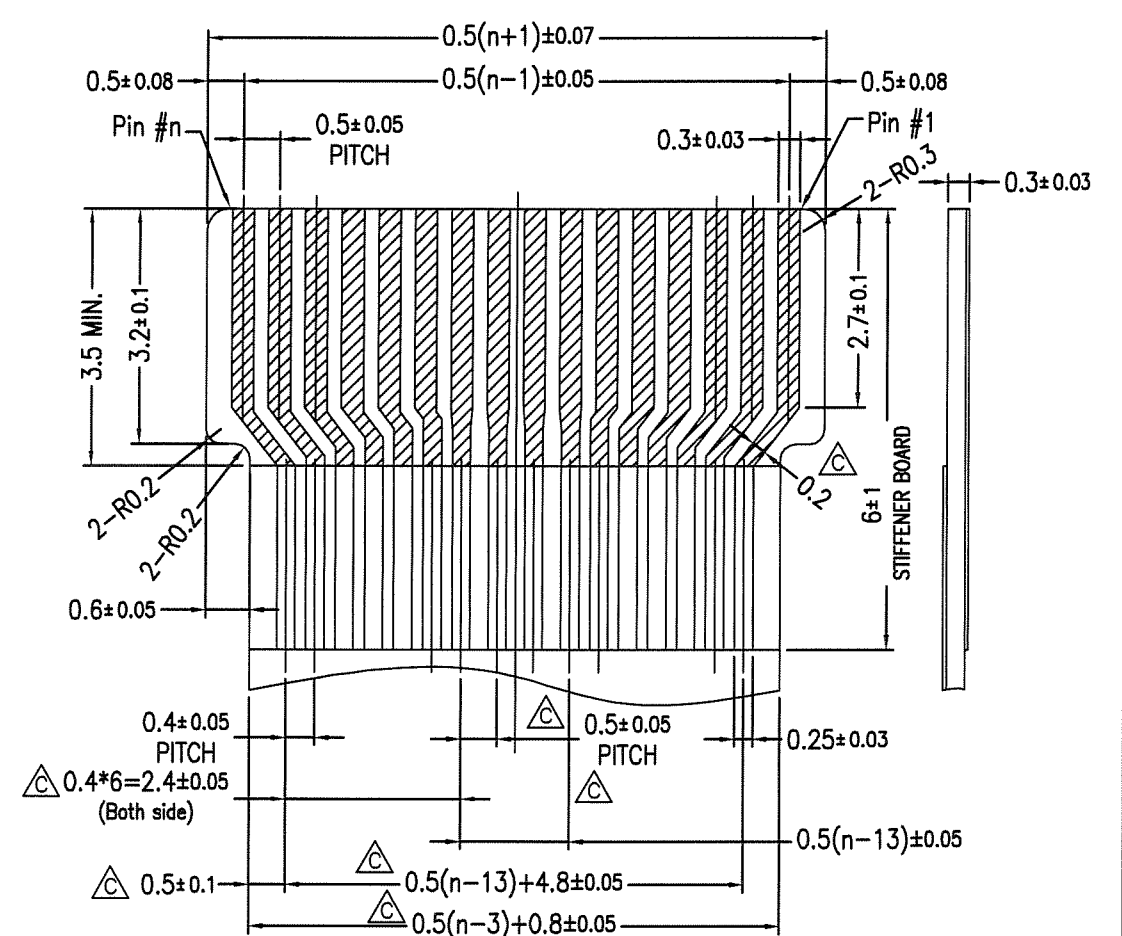
10085901-\*\*-11LF

Cut through both sides conductors.

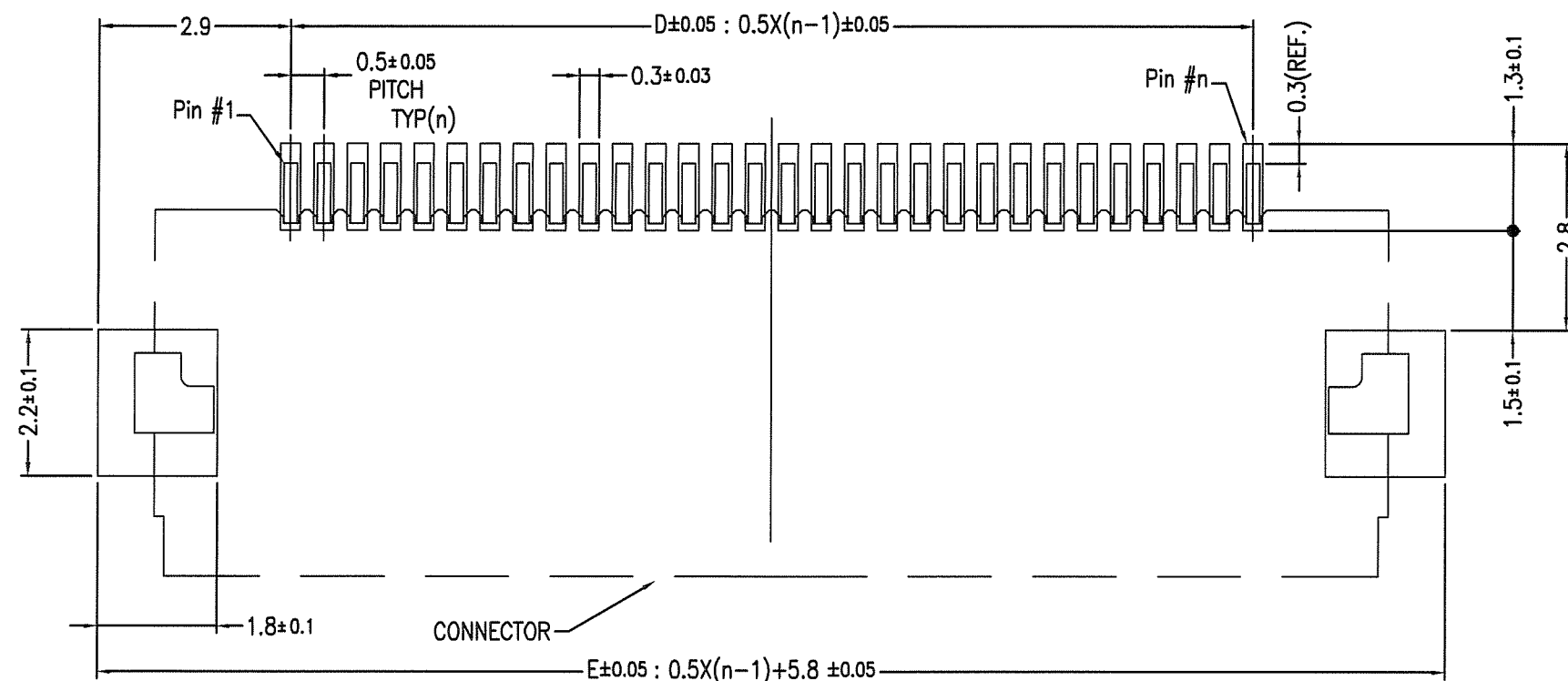
DETAIL "A"



RECOMMENDED FFC CONFIGURATION



RECOMMENDED FPC CONFIGURATION



RECOMMENDED PC BOARD LAYOUT

## NOTE

1. THICKNESS OF A METAL MASK: 0.1mm

2. FPC / FFC

ADHESIVE METHOD OF SUPPORTING TAPE SHALL BE HEAT CRIMPING METHOD AND THERMOSETTING ADHESIVE MATERIAL SHALL BE USED.

3. ACCORDING TO THE KIND OF CABLE TO BE USED, SINCE OUTSIDE TWO CONDUCTORS CANNOT BE USED, THE LINE OF SIGNAL DECREASES.

## 注記

1. メタルマスク厚 : 0.1mm

2. FPC / FFC

FPCの補強板接着剤には熱硬化接着剤を使用し、接着方式は熱圧着とする。

3. 使用するケーブルの種類によっては、外側の2つの導体を使用不可能になるため信号ラインが減少します。

| P/N             | A    | B    | C    | D    | E    |
|-----------------|------|------|------|------|------|
| 10085901-6011LF | 33.6 | 33.3 | 34.2 | 29.5 | 35.3 |
| 10085901-5011LF | 28.6 | 28.3 | 29.2 | 24.5 | 30.3 |
| 10085901-3511LF | 21.1 | 20.8 | 21.7 | 17.0 | 22.8 |

|             |                |          |     |           |                                       |            |                                          |                          |
|-------------|----------------|----------|-----|-----------|---------------------------------------|------------|------------------------------------------|--------------------------|
| mat'l. code |                |          |     | surface   | tolerance                             | projection | product family                           | CODE                     |
| ---         |                |          |     | ISO 1302  | ISO 406<br>ISO 1101                   |            | 59KF FLEX 0.5                            | JP                       |
| ltr         | description    | ecn no   | dr  | date      | tolerances unless otherwise specified |            | title                                    |                          |
| B           | RELEASED       | J09-0402 | Y.K | 2009-12-2 | angles                                | linear     | ASSEMBLY                                 |                          |
| C           | REVISED        | J10-0079 | Y.K | 2010-4-5  | 0°±2'                                 | 0°±2'      | 0.5mm PITCH CONNECTOR FOR FPC VHC Series |                          |
|             |                |          |     |           | dr                                    | Y.KAMEDA   | 2010-4-5                                 |                          |
|             |                |          |     |           | enr                                   | Y.KAMEDA   | 2010-4-5                                 |                          |
|             |                |          |     |           | chr                                   | Z. Rykuba  | 2010-4-5                                 |                          |
|             |                |          |     |           | appd                                  | AKC        | Apr 5 '10                                |                          |
| sheet index | revision sheet |          |     |           |                                       |            | dwg no                                   | sheet 6 of 6 size        |
|             |                |          |     |           |                                       |            | 10085901                                 | A3                       |
|             |                |          |     |           |                                       |            | type                                     | Product Customer Drawing |
|             |                |          |     |           |                                       |            |                                          | Rev. C                   |