

## Excellent Integrated System Limited

Stocking Distributor

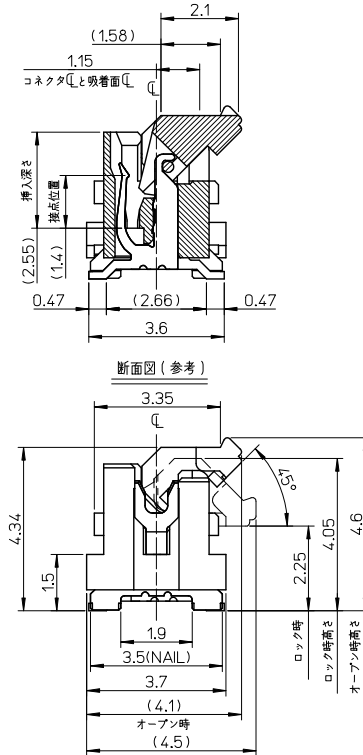
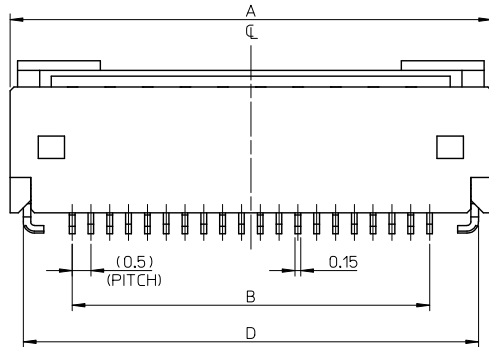
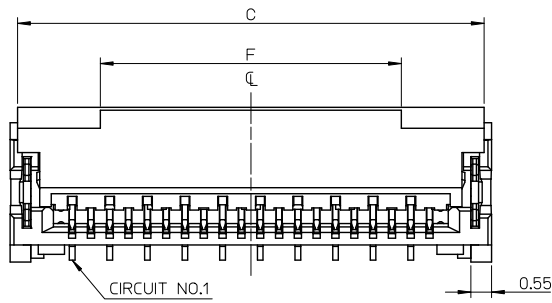
Click to view price, real time Inventory, Delivery & Lifecycle Information:

[Molex Connector Corporation](#)  
[5019512010](#)

For any questions, you can email us directly:

[sales@integrated-circuit.com](mailto:sales@integrated-circuit.com)

10 9 8 7 6 5 4 3 2 1



**注記 NOTES**

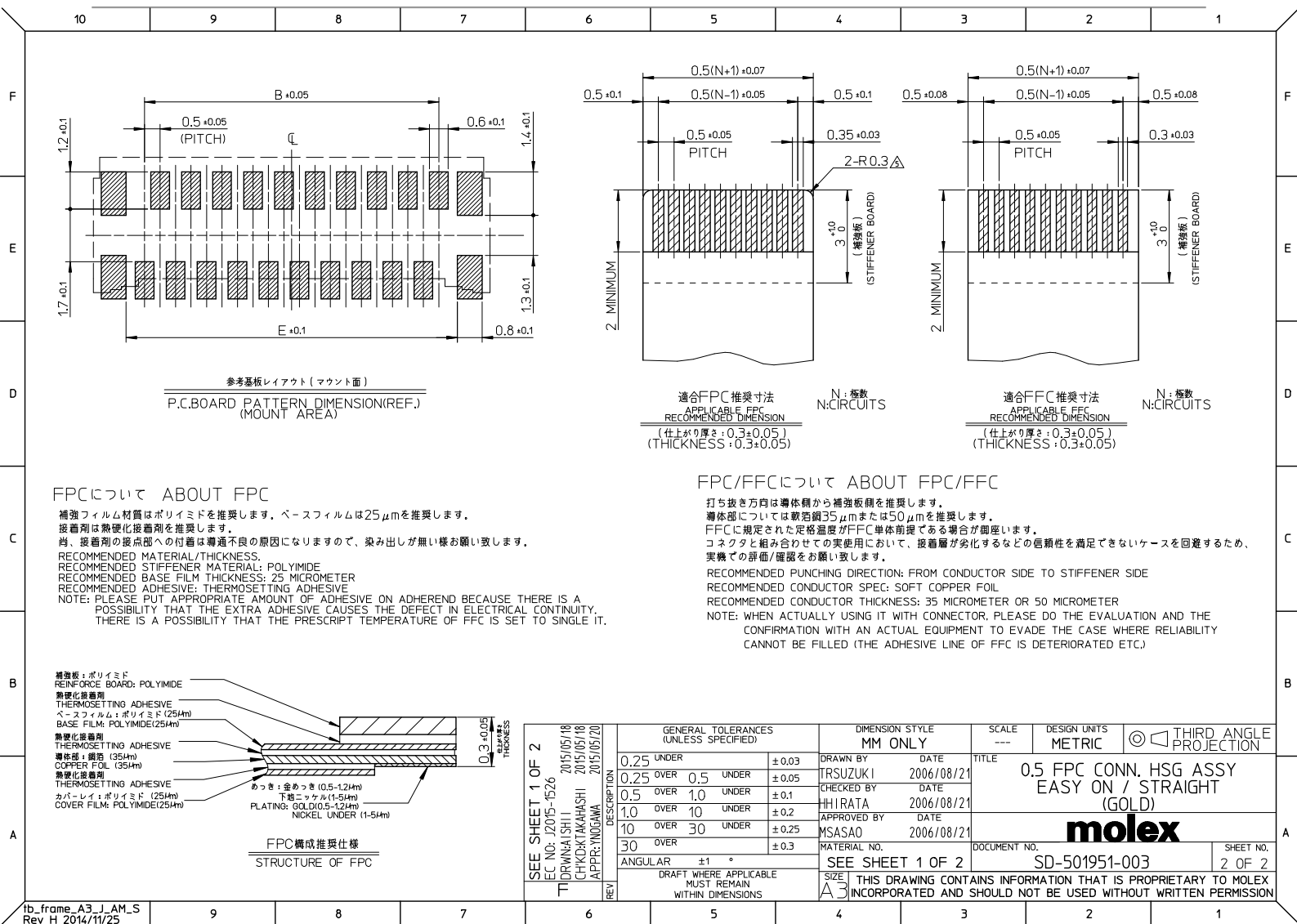
- 1. 使用材料 MATERIAL**
  - ハウジング : 液晶ポリマー ガラス充填, UL94V-0(白)
  - HOUSING : LIQUID CRYSTAL POLYMER GLASS FILLED, UL94V-0 (WHITE)
  - アクチュエータ : ポリアミド 9T, ガラス充填, UL94V-0(茶)
  - ACTUATOR : POLYAMIDE 9T, GLASS FILLED, UL94V-0 (BROWN)
  - ターミナル : 銅合金(1=0.15)
  - TERMINAL : COPPER ALLOY
  - 金具 : 銅合金(1=0.2)
  - FITTING NAIL : COPPER ALLOY
- 2. めっき仕様 PLATING**
  - ターミナル TERMINAL
    - コンタクト部 : 部分金めっき(0.1μm以上)
    - テール部 : 部分金めっき
    - 下地 : ニッケルめっき(1.0μm以上)
  - CONTACT AREA : SEPARATED GOLD PLATING (0.1 MICROMETER MINIMUM)
  - SOLDER TAIL AREA : SEPARATED GOLD PLATING UNDERPLATE + NICKEL OVERALL
  - 金具 FITTING NAIL
    - ニッケル下地めっき
    - めっき(1.0μm以上)
    - ニッケルめっき(1.0μm以上)
    - TIN(Sn) OVER NICKEL(Ni) PLATING, TIN PLATING (1.0 MICROMETER MINIMUM)
    - NICKEL PLATING (1.0 MICROMETER MINIMUM)
- 3. テールと金具を併せた平坦度は 0.1ミリメートル以下(リフロー前)**  
TAILS AND NAILS COPLANARITY TO BE 0.1 MAX. (BEFORE REFLOW)
- 4. ELV及びRoHS適合品**  
ELV AND RoHS COMPLIANT

△ R0.3は、FPC導体部にかからないこと。  
R0.3 MUST NOT BE OVERLAPPED TO PATTERN OF FPC.

|   |      |      |      |      |      |              |          |
|---|------|------|------|------|------|--------------|----------|
|   | 35.7 | 37.1 | 37.4 | 34.5 | 37.8 | 501951-7019  | 70       |
|   | 30.7 | 32.1 | 32.4 | 29.5 | 32.8 | 501951-6019  | 60       |
|   | 25.7 | 27.1 | 27.4 | 24.5 | 27.8 | 501951-5019  | 50       |
|   | 23.2 | 24.6 | 24.9 | 22   | 25.3 | 501951-4519  | 45       |
| 8 | 20.7 | 22.1 | 22.4 | 19.5 | 22.8 | 501951-4019  | 40       |
|   | 16.7 | 18.1 | 18.4 | 15.5 | 18.8 | 501951-3219  | 32       |
|   | 15.7 | 17.1 | 17.4 | 14.5 | 17.8 | 501951-3019  | 30       |
|   | 12.7 | 14.1 | 14.4 | 11.5 | 14.8 | 501951-2419  | 24       |
|   | 11.7 | 13.1 | 13.4 | 10.5 | 13.8 | 501951-2219  | 22       |
|   | 10.7 | 12.1 | 12.4 | 9.5  | 12.8 | 501951-2019  | 20       |
| F | E    | D    | C    | B    | A    | MATERIAL NO. | CIRCUITS |

|         |                   |                                                                                                       |                                          |                                                            |           |                            |              |                                                                                                                                  |                                                                                     |                                                                                                                 |  |               |  |           |
|---------|-------------------|-------------------------------------------------------------------------------------------------------|------------------------------------------|------------------------------------------------------------|-----------|----------------------------|--------------|----------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|--|---------------|--|-----------|
| REVISED | EC NO: J2015-1526 | DRAWN BY THORINAI SHI<br>2015/05/18<br>CHECKED TAKAHASHI<br>2015/05/18<br>APPR: YUOGAWA<br>2015/05/20 | GENERAL TOLERANCES<br>(UNLESS SPECIFIED) |                                                            |           | DIMENSION STYLE<br>MM ONLY |              | SCALE<br>10:1                                                                                                                    | DESIGN UNITS<br>METRIC                                                              |  THIRD ANGLE<br>PROJECTION |  |               |  |           |
|         |                   |                                                                                                       | DESCRIPTION                              | 0.25 UNDER                                                 |           | ±0.03                      | DRAWN BY     | DATE                                                                                                                             | TITLE<br>0.5 FPC CONN. HSG ASSY<br>EASY ON / STRAIGHT<br>(GOLD)<br><br><b>molex</b> |                                                                                                                 |  |               |  |           |
|         |                   |                                                                                                       |                                          | 0.25 OVER                                                  | 0.5 UNDER | ±0.05                      |              |                                                                                                                                  |                                                                                     |                                                                                                                 |  |               |  |           |
|         |                   |                                                                                                       |                                          | 0.5 OVER                                                   | 1.0 UNDER | ±0.1                       | CHECKED BY   | DATE                                                                                                                             |                                                                                     |                                                                                                                 |  |               |  |           |
|         |                   |                                                                                                       |                                          | 1.0 OVER                                                   | 10 UNDER  | ±0.2                       |              |                                                                                                                                  |                                                                                     |                                                                                                                 |  |               |  |           |
|         |                   |                                                                                                       |                                          | 10 OVER                                                    | 30 UNDER  | ±0.25                      | APPROVED BY  | DATE                                                                                                                             |                                                                                     |                                                                                                                 |  |               |  |           |
|         |                   |                                                                                                       |                                          | 30 OVER                                                    |           | ±0.3                       |              |                                                                                                                                  |                                                                                     |                                                                                                                 |  |               |  |           |
|         |                   |                                                                                                       |                                          | ANGULAR                                                    | ±1 °      |                            | MATERIAL NO. |                                                                                                                                  |                                                                                     |                                                                                                                 |  | DOCUMENT NO.  |  | SHEET NO. |
|         |                   |                                                                                                       |                                          |                                                            |           |                            | SEE CHART    |                                                                                                                                  |                                                                                     |                                                                                                                 |  | SD-501951-003 |  | 1 OF 2    |
|         |                   |                                                                                                       | REV                                      | DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS |           |                            | SIZE<br>A3   | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX<br>INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |                                                                                     |                                                                                                                 |  |               |  |           |

9 8 7 6 5 4 3 2 1



10 9 8 7 6 5 4 3 2 1

F

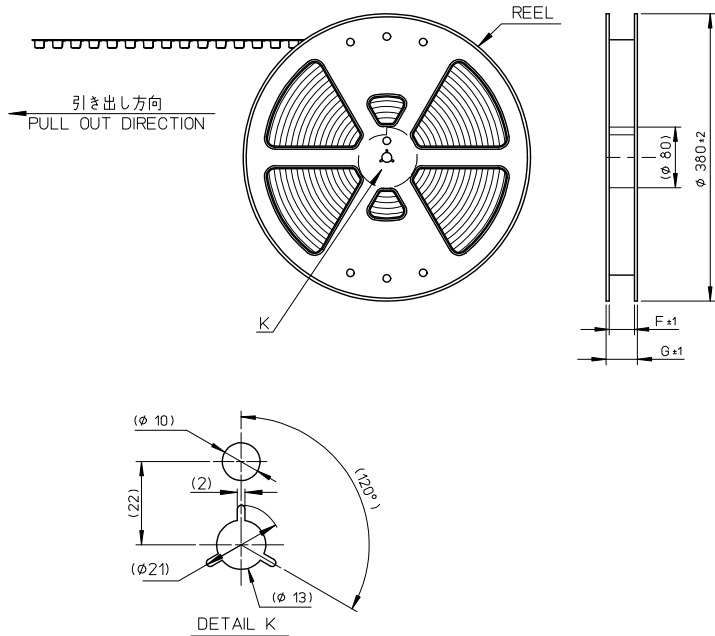
E

D

C

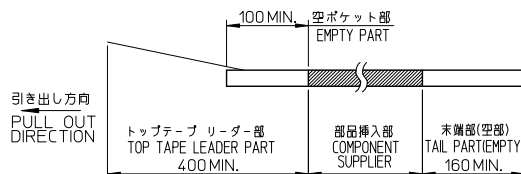
B

A



## NOTES

- 製品詳細寸法については図面 SD-501951-003を参照下さい。  
FOR DIMENSIONS OF PRODUCT, REFER TO SD-501951-003.
- 梱包数量 : 2000個/リール  
NUMBER OF CONNECTORS : 2000PIECES/REEL
- リードテープ長さ  
LEAD TAPE LENGTH



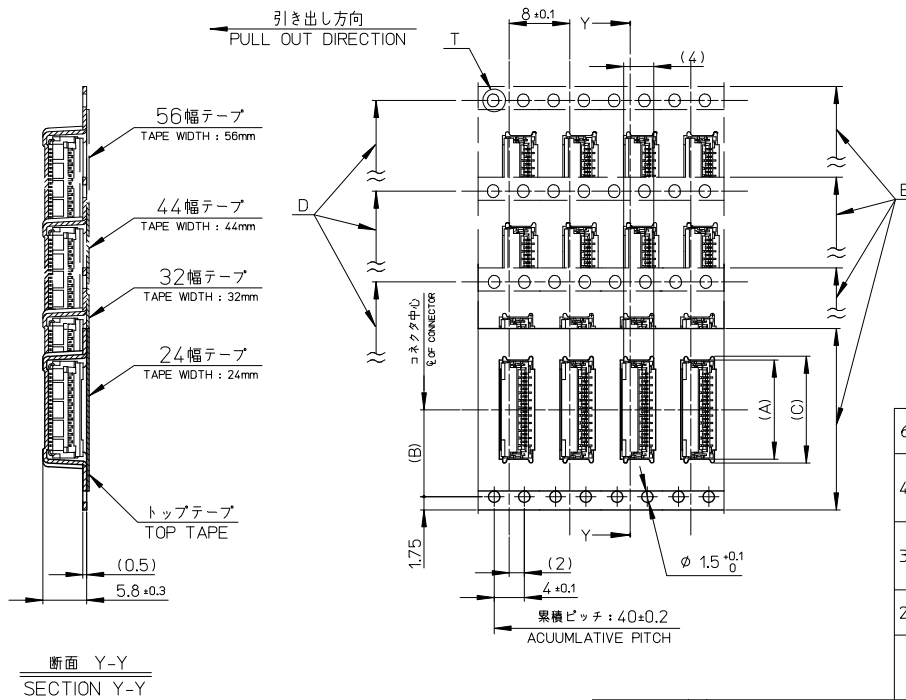
## 4. 材料 MATERIAL

キャリアテープ : ポリプロピレン  
CARRIER TAPE : POLYPROPYLENE  
トップテープ : ポリエチレンテレフタレート, ポリエチレン  
TOP TAPE : POLYETHYLENE TEREPHTHALATE , POLYETHYLENE  
リール : ポリスチレン<リサイクル材を含む>  
REEL : POLYSTYRENE<RECYCLE MATERIAL CONTAINED>

## 5. ELV及びRoHS適合品 ELV AND RoHS COMPLIANT

|         |                   |                                       |                                   |                            |             |                                                                                                                                  |        |                            |                    |              |                        |                           |  |                                                                                      |                               |                     |  |  |  |  |
|---------|-------------------|---------------------------------------|-----------------------------------|----------------------------|-------------|----------------------------------------------------------------------------------------------------------------------------------|--------|----------------------------|--------------------|--------------|------------------------|---------------------------|--|--------------------------------------------------------------------------------------|-------------------------------|---------------------|--|--|--|--|
| REVISED | EC NO. J2014-0085 | DRAWN BY<br>2013/07/17<br>IRAWANJONDO | CHKD BY<br>2013/07/17<br>AKAHASHI | APPR. YNGAWA<br>2013/07/17 | DESCRIPTION | GENERAL TOLERANCES<br>(UNLESS SPECIFIED)                                                                                         |        | DIMENSION STYLE<br>MM ONLY |                    | SCALE<br>--- | DESIGN UNITS<br>METRIC | THIRD ANGLE<br>PROJECTION |  | TITLE<br>0.5 FPC CONN. HSG ASSY<br>E/O STRAIGHT EMBSTP PKG<br>(GOLD)<br><b>molex</b> | DOCUMENT NO.<br>SD-501951-004 | SHEET NO.<br>1 OF 2 |  |  |  |  |
|         |                   |                                       |                                   |                            |             | 10 UNDER                                                                                                                         | ± 0.2  | DRAWN BY<br>TRSUZUKI       | DATE<br>2006/09/05 |              |                        |                           |  |                                                                                      |                               |                     |  |  |  |  |
|         |                   |                                       |                                   |                            |             | 10 OVER 30 UNDER                                                                                                                 | ± 0.25 | CHECKED BY<br>HIRATA       | DATE<br>2006/09/05 |              |                        |                           |  |                                                                                      |                               |                     |  |  |  |  |
|         |                   |                                       |                                   |                            |             | 30 OVER                                                                                                                          | ± 0.3  | APPROVED BY<br>MSASAO      | DATE<br>2006/09/05 |              |                        |                           |  |                                                                                      |                               |                     |  |  |  |  |
|         |                   |                                       |                                   |                            |             | ANGULAR ±1 °                                                                                                                     |        | MATERIAL NO.               |                    |              |                        |                           |  |                                                                                      |                               |                     |  |  |  |  |
| REV     | A3                |                                       |                                   |                            |             | DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS                                                                       |        | SEE CHART                  |                    |              |                        |                           |  |                                                                                      |                               |                     |  |  |  |  |
|         |                   |                                       |                                   |                            |             | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX<br>INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |        |                            |                    |              |                        |                           |  |                                                                                      |                               |                     |  |  |  |  |

9 8 7 6 5 4 3 2



|      |      |                                     |      |                      |      |                      |                      |                |
|------|------|-------------------------------------|------|----------------------|------|----------------------|----------------------|----------------|
| 61.4 | 57.4 | 56±0.3                              | 52.4 | 39.1<br>34.1         | 26.2 | 38.1<br>33.1         | 501951-7010          | 70             |
| 49.4 | 45.4 | 44±0.3                              | 40.4 | 29.1<br>26.6<br>24.1 | 20.2 | 28.1<br>25.6<br>23.1 | 501951-6010          | 60             |
| 37.4 | 33.4 | 32±0.3                              | 28.4 | 20.1<br>19.1<br>16.1 | 14.2 | 19.1<br>18.1<br>15.1 | 501951-5010          | 50             |
| 29.4 | 25.4 | 24±0.3                              | →    | 15.1<br>14.1         | 11.5 | 15.1<br>14.1<br>13.1 | 501951-4010          | 40             |
|      |      |                                     |      |                      |      |                      | 501951-3210          | 32             |
|      |      |                                     |      |                      |      |                      | 501951-3010          | 30             |
|      |      |                                     |      |                      |      |                      | 501951-2410          | 24             |
|      |      |                                     |      |                      |      |                      | 501951-2210          | 22             |
|      |      |                                     |      |                      |      |                      | 501951-2010          | 20             |
| G    | F    | E<br>キャリアテープ幅<br>CARRIER TAPE WIDTH | D    | (C)                  | (B)  | (A)                  | 製品番号<br>MATERIAL NO. | 極数<br>CIRCUITS |

|                                                                                                                                           |             |                                                            |        |                            |                    |                                                                                                                                        |                        |                           |  |  |
|-------------------------------------------------------------------------------------------------------------------------------------------|-------------|------------------------------------------------------------|--------|----------------------------|--------------------|----------------------------------------------------------------------------------------------------------------------------------------|------------------------|---------------------------|--|--|
| REVISED<br>EC NO. J2014-0085<br>DRAWN BY CHIKO TAKAHASHI<br>CHECKED BY CHIKO TAKAHASHI<br>APPROVED BY YOSHIO YAMAGUCHI<br>DATE 2013/07/17 | DESCRIPTION | GENERAL TOLERANCES<br>(UNLESS SPECIFIED)                   |        | DIMENSION STYLE<br>MM ONLY |                    | SCALE<br>---                                                                                                                           | DESIGN UNITS<br>METRIC | THIRD ANGLE<br>PROJECTION |  |  |
|                                                                                                                                           |             | 10 UNDER                                                   | ± 0.2  | DRAWN BY<br>TRSUZUKI       | DATE<br>2006/09/05 | TITLE<br>0.5 FPC CONN. HSG ASSY<br>E/O STRAIGHT EMBSTP PKG<br>(GOLD)<br><b>molex</b><br>DOCUMENT NO. SD-501951-004<br>SHEET NO. 2 OF 2 |                        |                           |  |  |
|                                                                                                                                           |             | 10 OVER 30 UNDER                                           | ± 0.25 | CHECKED BY<br>HHIRATA      | DATE<br>2006/09/05 |                                                                                                                                        |                        |                           |  |  |
|                                                                                                                                           |             | 30 OVER                                                    | ± 0.3  | APPROVED BY<br>MSASAO      | DATE<br>2006/09/05 |                                                                                                                                        |                        |                           |  |  |
|                                                                                                                                           |             | ANGULAR                                                    | ± 1 °  | MATERIAL NO.<br>SEE CHART  |                    |                                                                                                                                        |                        |                           |  |  |
|                                                                                                                                           |             | DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS |        | SIZE<br>A3                 |                    | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX<br>INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION       |                        |                           |  |  |