



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



Contact us

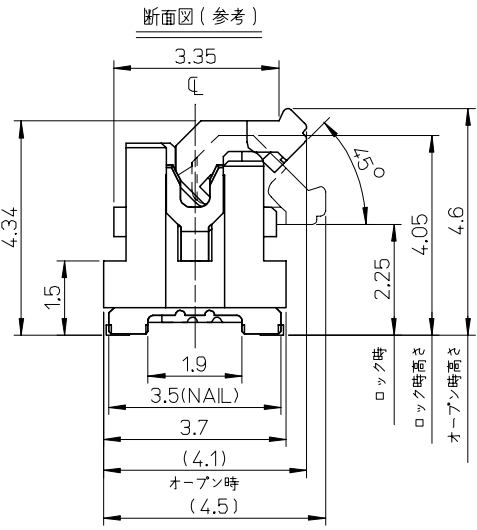
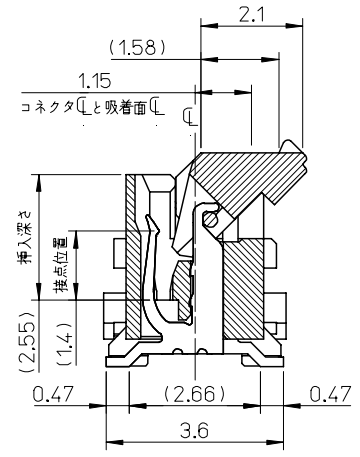
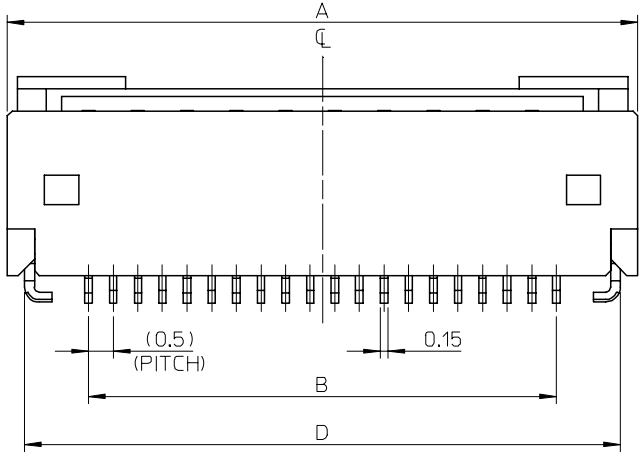
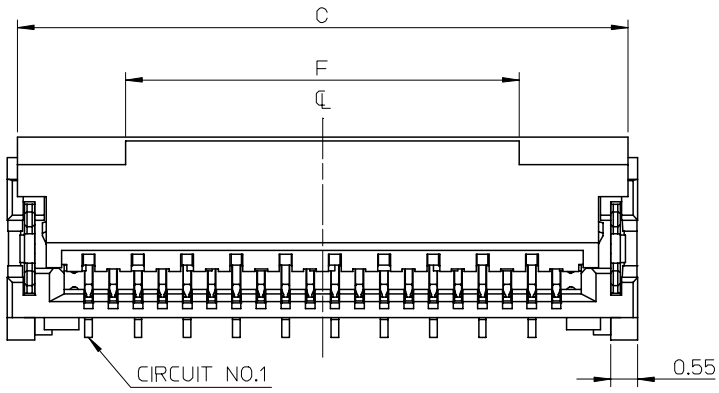
Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



10 9 8 7 6 5 4 3 2 1



注記
NOTES
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- 材質  
MATERIAL  
ハウジング: LCP (液晶ポリマー), ガラス充填, 白色, UL94V-0  
HOUSING: LCP (LIQUID CRYSTAL POLYMER),  
GLASS FILLED, WHITE, UL94V-0  
アクチュエータ: ポリアミド 9T, ガラス充填, 茶色, UL94V-0  
ACTUATOR: POLYAMIDE 9T,  
GLASS FILLED, BROWN, UL94V-0  
ターミナル: 銅合金 (t=0.15)  
TERMINAL: COPPER ALLOY (t=0.15)  
金具: 銅合金 (t=0.2)  
NAIL: COPPER ALLOY (t=0.2)
- メッキ仕様  
PLATING  
ターミナル  
TERMINAL  
銅ビスマスメッキ  
TIN BISMUTH PLATING  
下地メッキ: ニッケルメッキ  
UNDER PLATING: NICKEL PLATING  
金具  
NAIL  
銅メッキ  
TIN PLATING  
下地メッキ: ニッケルメッキ  
UNDER PLATING: NICKEL PLATING
- テールと金具を併せた平坦度は、0.1ミリメートル以下。  
TAILS AND NAILS COPLANARITY TO BE 0.1 MAXIMUM.
- ELV及びRoHS適合品  
ELV AND ROHS COMPLIANT.

|   |      |      |      |      |      |             |              |
|---|------|------|------|------|------|-------------|--------------|
| 8 | 30.7 | 32.1 | 32.4 | 29.5 | 32.8 | 501951-6009 | 60           |
|   | 25.7 | 27.1 | 27.4 | 24.5 | 27.8 | 501951-5009 | 50           |
|   | 23.2 | 24.6 | 24.9 | 22   | 25.3 | 501951-4509 | 45           |
|   | 20.7 | 22.1 | 22.4 | 19.5 | 22.8 | 501951-4009 | 40           |
|   | 16.7 | 18.1 | 18.4 | 15.5 | 18.8 | 501951-3209 | 32           |
|   | 15.7 | 17.1 | 17.4 | 14.5 | 17.8 | 501951-3009 | 30           |
|   | 12.7 | 14.1 | 14.4 | 11.5 | 14.8 | 501951-2409 | 24           |
|   | F    | E    | D    | C    | B    | A           | MATERIAL NO. |

|                                                                                                                 |                                       |       |                                                                                                                               |                    |                                                                        |                               |                     |
|-----------------------------------------------------------------------------------------------------------------|---------------------------------------|-------|-------------------------------------------------------------------------------------------------------------------------------|--------------------|------------------------------------------------------------------------|-------------------------------|---------------------|
| REVISED<br>EC NO: J2007-2987<br>DRWN: TRSUZUKI 2007/04/26<br>CHKD: HIRATA 2007/04/26<br>APPR: HIRATA 2007/04/26 | GENERAL TOLERANCES (UNLESS SPECIFIED) |       | DIMENSION STYLE<br>MM ONLY                                                                                                    | SCALE<br>10:1      | DESIGN UNITS<br>METRIC                                                 | THIRD ANGLE PROJECTION        |                     |
|                                                                                                                 | 10 UNDER                              | ±0.2  | DRAWN BY<br>TRSUZUKI                                                                                                          | DATE<br>2005/12/05 | TITLE<br>0.5 FPC CONN. HSG ASSY<br>EASY ON / STRAIGHT<br>(TIN-BISMUTH) |                               |                     |
|                                                                                                                 | 10 OVER 30 UNDER                      | ±0.25 | CHECKED BY<br>HIRATA                                                                                                          | DATE<br>2005/12/05 | MOLEX INCORPORATED                                                     |                               |                     |
|                                                                                                                 | 30 OVER                               | ±0.3  | APPROVED BY<br>MSASAO                                                                                                         | DATE<br>2005/12/05 | MATERIAL NO.<br>SEE CHART                                              | DOCUMENT NO.<br>SD-501951-001 | SHEET NO.<br>1 OF 2 |
|                                                                                                                 | ANGULAR                               | ±1 °  | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |                    |                                                                        |                               |                     |
| DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS                                                      |                                       |       |                                                                                                                               |                    |                                                                        |                               |                     |

10 9 8 7 6 5 4 3 2 1

F

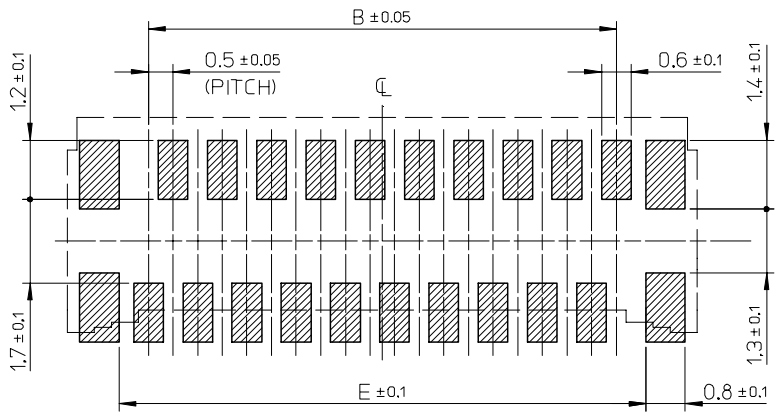
E

D

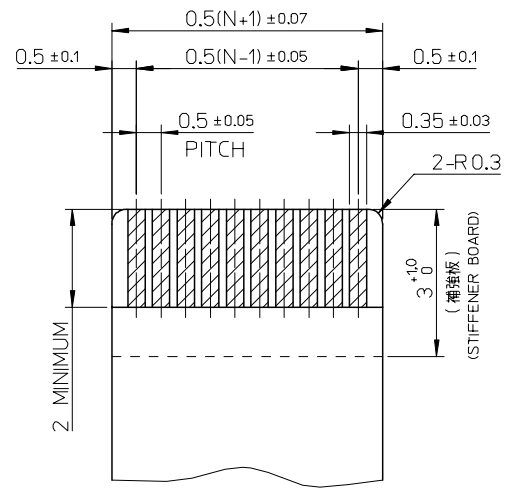
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B

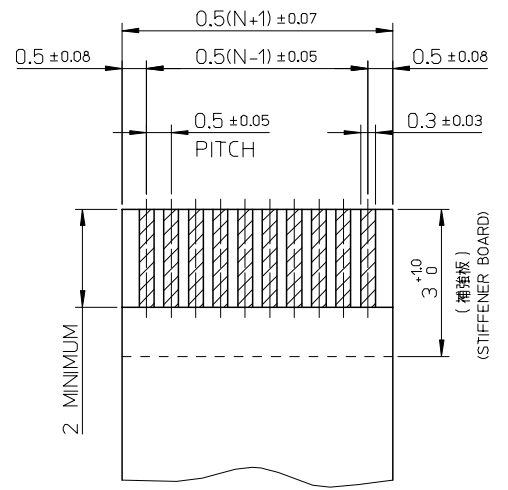
A



参考基板レイアウト (マウント面)  
P.C. BOARD PATTERN DIMENSION (REF.)  
(MOUNT AREA)



適合FPC推奨寸法  
APPLICABLE FPC  
RECOMMENDED DIMENSION  
(仕上がり厚さ: 0.3 ± 0.03)  
(THICKNESS: 0.3 ± 0.03)  
N: 極数  
N: CIRCUITS



適合FFC推奨寸法  
APPLICABLE FFC  
RECOMMENDED DIMENSION  
(仕上がり厚さ: 0.3 ± 0.03)  
(THICKNESS: 0.3 ± 0.03)  
N: 極数  
N: CIRCUITS

FPCについて:  
打抜き方向は導体側から補強板側を推奨致します。  
補強フィルム材質はポリイミドを推奨致します。  
接着剤は熱硬化接着剤を推奨致します。

ABOUT FPC:  
RECOMMENDED PUNCHER DIRECTION:  
FROM CONDUCTOR SIDE TO STIFFENER BOARD SIDE.  
RECOMMENDED MATERIAL:  
STIFFENER FILM: POLYIMIDE  
BONDING AGENT: THERMOSETTING BONDING AGENT

|                                                                                                                      |                                       |            |                                                                                                                               |                    |                                                                        |                        |                        |  |
|----------------------------------------------------------------------------------------------------------------------|---------------------------------------|------------|-------------------------------------------------------------------------------------------------------------------------------|--------------------|------------------------------------------------------------------------|------------------------|------------------------|--|
| SEE SHEET 1<br>EC NO: J2007-2987<br>DRAWN: TRSUZUKI 2007/04/26<br>CHKD: HIRATA 2007/04/26<br>APPR: HIRATA 2007/04/26 | GENERAL TOLERANCES (UNLESS SPECIFIED) |            | DIMENSION STYLE<br>MM ONLY                                                                                                    |                    | SCALE<br>10:1                                                          | DESIGN UNITS<br>METRIC | THIRD ANGLE PROJECTION |  |
|                                                                                                                      | 10 UNDER                              | ± 0.2      | DRAWN BY<br>TRSUZUKI                                                                                                          | DATE<br>2005/12/05 | TITLE<br>0.5 FPC CONN. HSG ASSY<br>EASY ON / STRAIGHT<br>(TIN-BISMUTH) |                        |                        |  |
|                                                                                                                      | 10 OVER 30 UNDER                      | ± 0.25     | CHECKED BY<br>HIRATA                                                                                                          | DATE<br>2005/12/05 |                                                                        |                        |                        |  |
|                                                                                                                      | 30 OVER                               | ± 0.3      | APPROVED BY<br>MSASAO                                                                                                         | DATE<br>2005/12/05 | MOLEX INCORPORATED                                                     |                        |                        |  |
|                                                                                                                      | ANGULAR                               | ± 1 °      | MATERIAL NO.                                                                                                                  |                    |                                                                        |                        |                        |  |
| DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS                                                                 |                                       | SIZE<br>A3 | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |                    |                                                                        |                        |                        |  |

10 9 8 7 6 5 4 3 2 1

F

E

D

C

B

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F

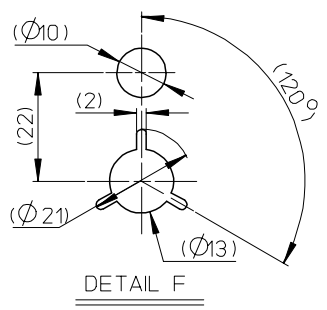
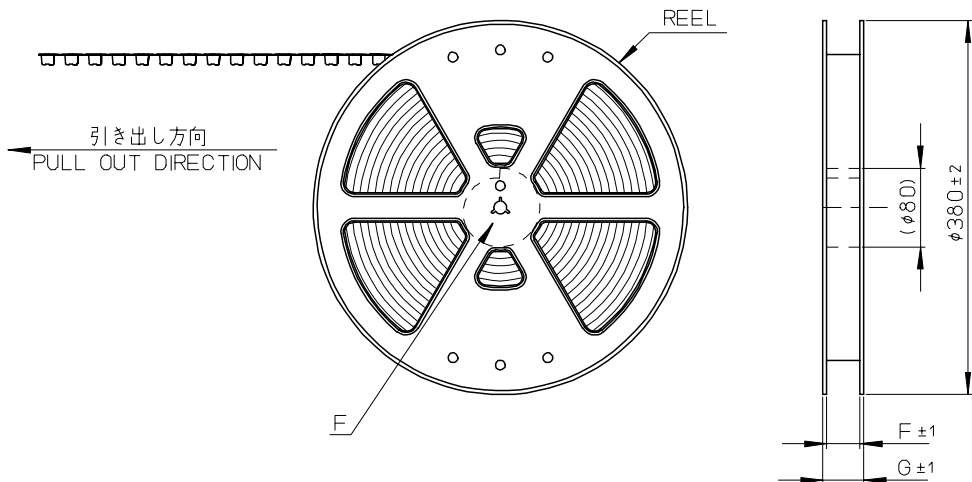
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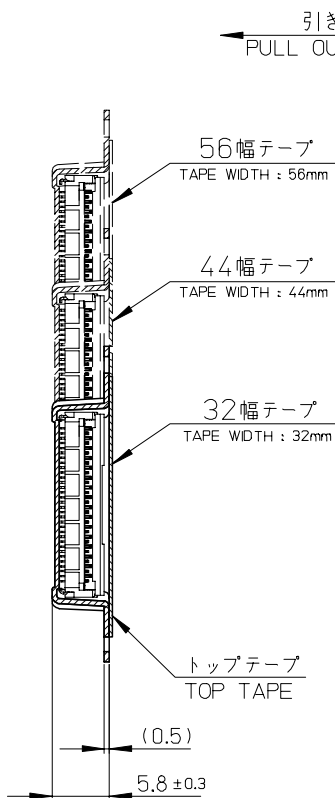
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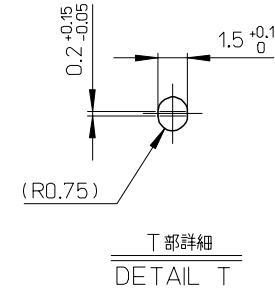
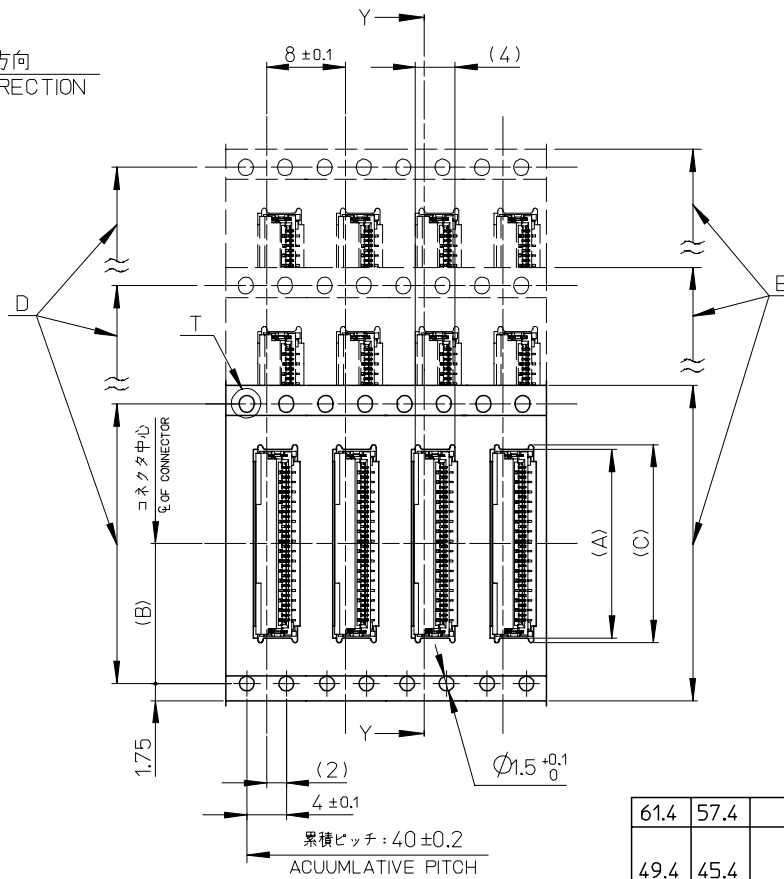
NOTES

- 製品詳細寸法については SD-501951-001 を参照ください。  
RE DETAILED DIMENSION, SEE SD-501951-001
- 梱包数量：2000 個/リール  
NUMBER OF CONNECTORS : 2000 PIECES/REEL
- リードテープ長さ  
LEAD TAPE LENGTH
- 材料  
MATERIAL  
 キャリアテープ：ポリプロピレン (PP)  
 CARRIER TAPE: POLYPROPYLENE (PP)  
 トップテープ：PET, PE, REF  
 TOP TAPE  
 リール：ポリスチレン (リサイクル材を含む)  
 REEL : POLYSTYRENE (RECYCLE MATERIAL CONTAINED)
- ELV及びRoHS適合品  
ELV AND RoHS COMPLIANT.

|                                                                                                                 |                                       |                                                                                                                               |                            |                    |                                                                             |                               |                     |
|-----------------------------------------------------------------------------------------------------------------|---------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|----------------------------|--------------------|-----------------------------------------------------------------------------|-------------------------------|---------------------|
| REVISED<br>EC NO: J2007-2987<br>DRWN: TRSUZUKI 2007/04/26<br>CHKD: HIRATA 2007/04/26<br>APPR: HIRATA 2007/04/26 | GENERAL TOLERANCES (UNLESS SPECIFIED) |                                                                                                                               | DIMENSION STYLE<br>MM ONLY | SCALE<br>---       | DESIGN UNITS<br>METRIC                                                      | THIRD ANGLE PROJECTION        |                     |
|                                                                                                                 | 10 UNDER                              | ± 0.2                                                                                                                         | DRAWN BY<br>TRSUZUKI       | DATE<br>2005/12/05 | TITLE<br>0.5 FPC CONN. HSG ASSY<br>E/O STRAIGHT EMBSTP PKG<br>(TIN-BISMUTH) |                               |                     |
|                                                                                                                 | 10 OVER 30 UNDER                      | ± 0.25                                                                                                                        | CHECKED BY<br>HIRATA       | DATE<br>2005/12/05 | MOLEX INCORPORATED                                                          |                               |                     |
|                                                                                                                 | 30 OVER                               | ± 0.3                                                                                                                         | APPROVED BY<br>MSASAO      | DATE<br>2005/12/05 | MATERIAL NO.                                                                | DOCUMENT NO.<br>SD-501951-002 | SHEET NO.<br>1 OF 2 |
|                                                                                                                 | ANGULAR                               | ± 1 °                                                                                                                         | SEE SHEET 2                |                    |                                                                             |                               |                     |
| DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS                                                            |                                       | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |                            |                    |                                                                             |                               |                     |



断面 Y-Y  
SECTION Y-Y



|      |      |                                     |      |      |      |             |                      |                |
|------|------|-------------------------------------|------|------|------|-------------|----------------------|----------------|
| 61.4 | 57.4 | 56 ± 0.3                            | 52.4 | 34.1 | 26.2 | 33.1        | 501951-6000          | 60             |
| 49.4 | 45.4 | 44 ± 0.3                            | 40.4 | 29.1 | 20.2 | 28.1        | 501951-5000          | 50             |
|      |      |                                     |      | 24.1 |      | 23.1        | 501951-4500          | 45             |
| 37.4 | 33.4 | 32 ± 0.3                            | 28.4 | 20.1 | 14.2 | 19.1        | 501951-3200          | 32             |
|      |      |                                     |      | 19.1 |      | 18.1        | 501951-3000          | 30             |
|      |      |                                     |      | 16.1 | 15.1 | 501951-2400 | 24                   |                |
| 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: J2007-2987<br>DRWN: TRSUZUKI<br>CHKD: HIRATA<br>APPR: HIRATA | DESCRIPTION<br>2007/04/26<br>2007/04/26<br>2007/04/26 | GENERAL TOLERANCES (UNLESS SPECIFIED) |        | DIMENSION STYLE<br>MM ONLY                                 |                    | SCALE<br>---                                                                | DESIGN UNITS<br>METRIC | THIRD ANGLE PROJECTION |  |
|                                                                                |                                                       | 10 UNDER                              | ± 0.2  | DRAWN BY<br>TRSUZUKI                                       | DATE<br>2005/12/05 | TITLE<br>0.5 FPC CONN. HSG ASSY<br>E/O STRAIGHT EMBSTP PKG<br>(TIN-BISMUTH) |                        |                        |  |
|                                                                                |                                                       | 10 OVER 30 UNDER                      | ± 0.25 | CHECKED BY<br>HIRATA                                       | DATE<br>2005/12/05 | MOLEX INCORPORATED                                                          |                        |                        |  |
|                                                                                |                                                       | 30 OVER                               | ± 0.3  | APPROVED BY<br>MSASAO                                      | DATE<br>2005/12/05 | MATERIAL NO. SEE CHART                                                      |                        |                        |  |
|                                                                                |                                                       | ANGULAR                               | ± 1 °  | DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS |                    | DOCUMENT NO.<br>SD-501951-002                                               |                        | SHEET NO.<br>2 OF 2    |  |