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Part Number: [5027614900](#)
Status: **Active**
Description: 0.30mm (.012") Pitch Easy-On™ Type FPC Connector, Right Angle, SMT, Bottom Contact, 0.62mm (.024") Mated Height, 49 Circuits

Documents:
[3D Model](#) [Product Specification PS-502761-001 \(PDF\)](#)
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

General

Product Family FFC/FPC Connectors
Series [502761](#)
Comments FPC with tabs
Product Name Easy-On™

Physical

Circuits (Loaded) 49
Color - Resin Black
Contact Position Bottom
Durability (mating cycles max) 10
Entry Angle 90° Angle
Mated Height (in) 0.024 In
Mated Height (mm) 0.62 mm
Material - Metal Copper-Nickel-Tin
Material - Plating Mating Gold
Number of Rows 1
Orientation Right Angle
PCB Locator No
PCB Retention Yes
Packaging Type Embossed Tape on Reel
Pitch - Mating Interface (in) 0.012 In
Pitch - Mating Interface (mm) 0.30 mm
Polarized to PCB Yes
Stackable No
Temperature Range - Operating -40°C to +85°C
Termination Interface: Style Surface Mount
Wire/Cable Type FPC only

Electrical

Current - Maximum per Contact 0.2A
Voltage - Maximum 50V

Material Info

Reference - Drawing Numbers

Product Specification PS-502761-001, RPS-502761-001
Sales Drawing SD-502761-001, SD-502761-002

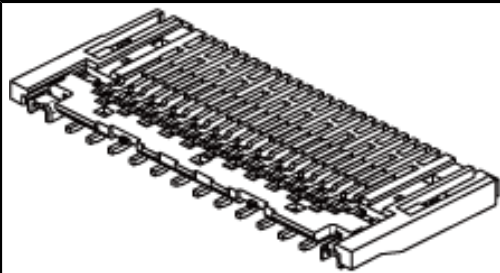


image - Reference only

Series

EU RoHS

**ELV and RoHS
Compliant**

REACH SVHC

Not Reviewed

Halogen-Free

Status

Not Reviewed

China RoHS



**Need more information on product
environmental compliance?**

Email productcompliance@molex.com
For a multiple part number RoHS Certificate of
Compliance, [click here](#)

Please visit the Contact Us section for any
non-product compliance questions.

Search Parts in this Series

[502761Series](#)

F

E

D

C

B

A

F

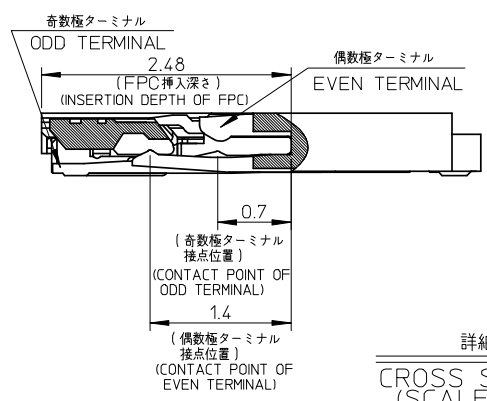
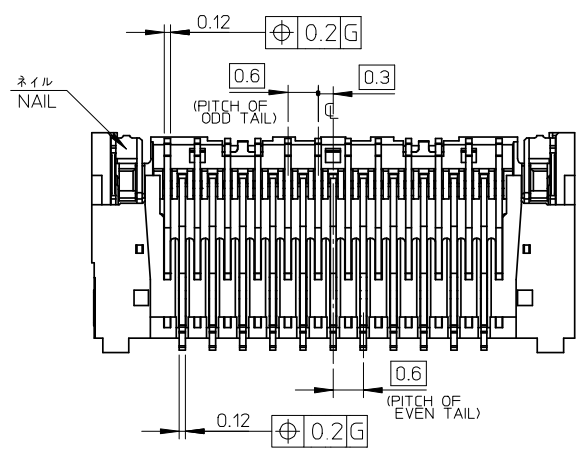
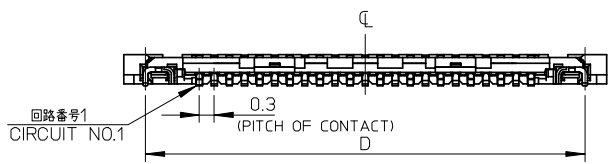
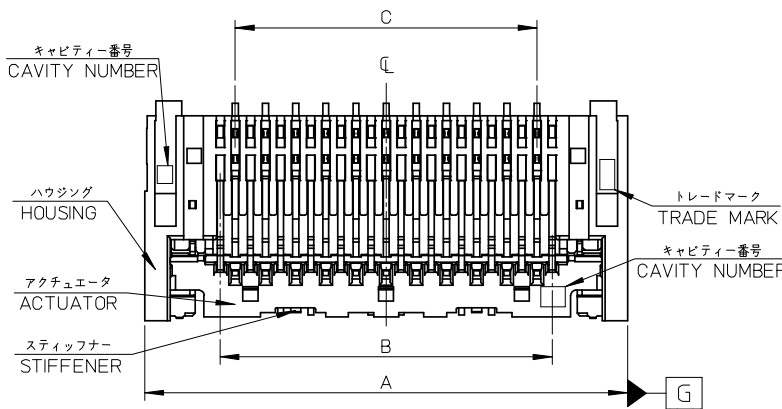
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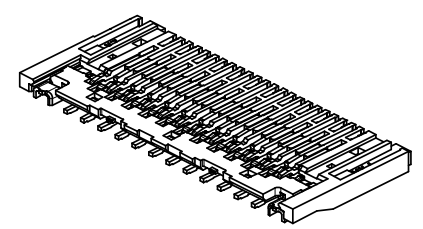
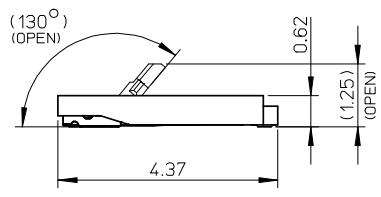
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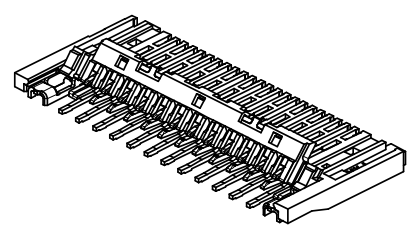
A



詳細図
CROSS SECTION
(SCALE 20:1)



アクチュエータ CLOSE
(製品納入状態)



アクチュエータ OPEN

16.54	13.8	14.4	17.4	502761-4900	502761-4909	49
11.74	9	9.6	12.6	502761-3300	502761-3309	33
D	C	B	A	オーダー番号 ORDER NO. (EMBOSSED TAPE)	製品番号 MATERIAL NO.	極数 CIRCUITS

REVISED EC NO: J2008-4277 DRWN: TRSUZUKI 2008/06/17 CHKD: KMORIKAWA 2008/06/18 APPR: KMORIKAWA 2008/06/18 A	DESCRIPTION REV	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION	
				MM ONLY		10:1	METRIC		
		10 UNDER ± 0.2		DRAWN BY TRSUZUKI	DATE 2008/06/11	TITLE 0.3 FPC CONN (H=0.62) HSG ASSY BOTTOM CONTACT GOLD WITH NICKEL BARRIER MOLEX INCORPORATED			
		10 OVER 30 UNDER ± 0.25		CHECKED BY KMORIKAWA	DATE 2008/06/11				
		30 OVER ± 0.3		APPROVED BY HHRATA	DATE 2008/06/11				
	ANGULAR ±1 °		MATERIAL NO.		DOCUMENT NO.				SHEET NO.
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE CHART		SD-502761-001				1 OF 3	
		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION							

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注記 NOTES
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#### 1.使用材料 MATERIAL

ハウジング : 液晶ポリマー ガラス充填 UL94V-0 (黒)

HOUSING : LIQUID CRYSTAL POLYMER (GLASS FILLED)

UL94V-0 (COLOR:BLACK)

アクチュエータ : 液晶ポリマー ガラス充填 UL94V-0 (灰色)

ACTUATOR : LIQUID CRYSTAL POLYMER (GLASS FILLED)

UL94V-0 (COLOR:GRAY)

ターミナル : 銅ニッケルスズ合金

TERMINAL : COPPER NICKEL TIN ALLOY

ネイル : リン青銅

FITTING NAIL : PHOSPHOR-BRONZE

スティッフナー : ステンレス鋼

STIFFENER : STAINLESS STEEL

#### 2.メッキ仕様 PLATING

ターミナル TERMINAL

接点部 : 金メッキ

CONTACT AREA : GOLD

半田付け部 : 金メッキ

SOLDER TAIL AREA : GOLD

下地メッキ : ニッケルメッキ

UNDER PLATING : NICKEL

ネイル FITTING NAIL

スズメッキ

TIN

下地メッキ : ニッケルメッキ

UNDER PLATING : NICKEL

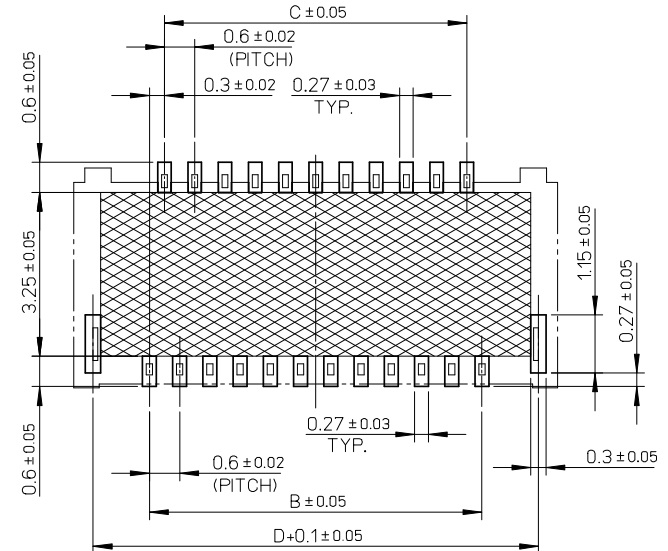
#### 3.ソルダーテール半田付け面、及びネイル半田付け面の平坦度 : 0.15MAX.

COPLANARITY OF SOLDER TAILS AND FITTING NAILS

TO BE 0.15mm MAX.

#### 4.ELV 及び RoHS適合品

ELV AND RoHS COMPLIANT



: パターン及び半田禁止エリア

: PATTERN AND SOLDER PROHIBITION AREA

推奨基板寸法

RECOMMENDED P.C.B. PATTERN LAYOUT

推奨メタルマスク仕様について :

厚さ : 0.11mm、開口率 : 弊社推奨パターンに対し60%

ABOUT : METAL MASK SPECIFICATION

RECOMMENDED THICKNESS : 0.11mm

THE RECOMMENDED APERTURE RATE SHALL BE 60%

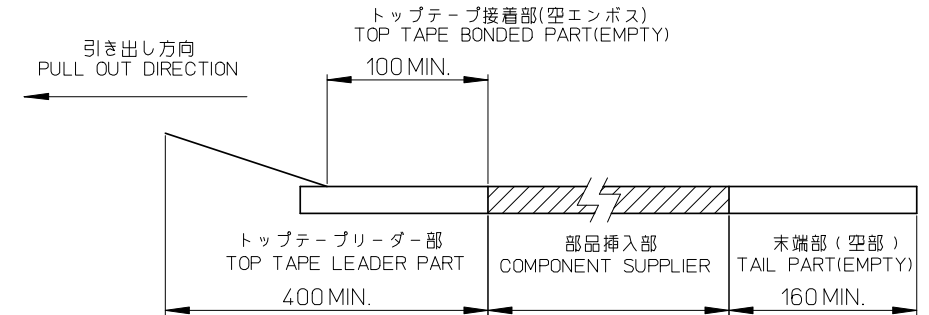
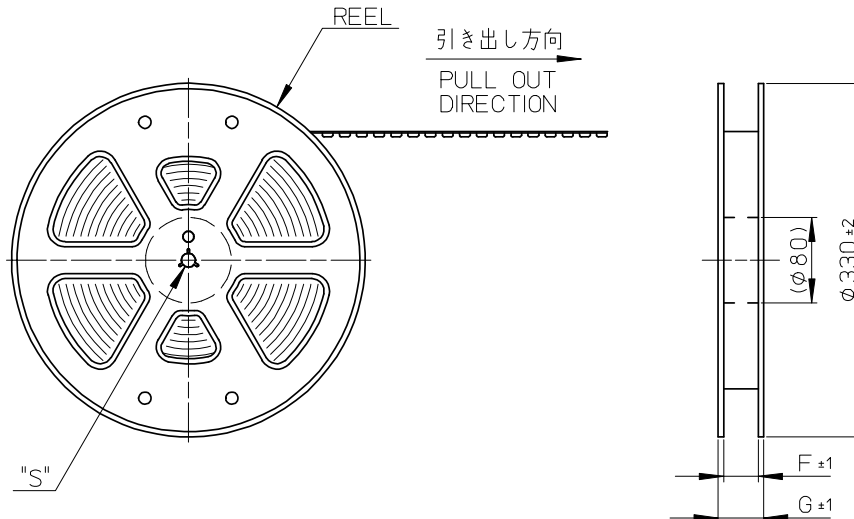
USING OUR RECOMMENDED P.C.B. PATTERN LAYOUT.

|                                                                                          |                                                            |                                          |             |                            |                                                                                                                                  |                                                                                       |                        |                                                                                                                 |  |
|------------------------------------------------------------------------------------------|------------------------------------------------------------|------------------------------------------|-------------|----------------------------|----------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|------------------------|-----------------------------------------------------------------------------------------------------------------|--|
| SEE SHEET 1<br>EC NO: J2008-4277<br>DRWN: TRSUZUKI<br>CHKD: KMORIKAWA<br>APPR: KMORIKAWA | DESCRIPTION                                                | GENERAL TOLERANCES<br>(UNLESS SPECIFIED) |             | DIMENSION STYLE<br>MM ONLY |                                                                                                                                  | SCALE<br>10:1                                                                         | DESIGN UNITS<br>METRIC |  THIRD ANGLE<br>PROJECTION |  |
|                                                                                          |                                                            | 10 UNDER                                 | ± 0.2       | TRSUZUKI                   | 2008/06/11                                                                                                                       | TITLE<br>0.3 FPC CONN (H=0.62)<br>HSG ASSY BOTTOM CONTACT<br>GOLD WITH NICKEL BARRIER |                        |                                                                                                                 |  |
|                                                                                          |                                                            | 10 OVER 30 UNDER                         | ± 0.25      | CHECKED BY<br>KMORIKAWA    | 2008/06/11                                                                                                                       |                                                                                       |                        |                                                                                                                 |  |
|                                                                                          |                                                            | 30 OVER                                  | ± 0.3       | APPROVED BY<br>HHRATA      | 2008/06/11                                                                                                                       |                                                                                       |                        |                                                                                                                 |  |
|                                                                                          |                                                            | ANGULAR ±1 °                             |             | MATERIAL NO.               |                                                                                                                                  | DOCUMENT NO.                                                                          |                        | SHEET NO.                                                                                                       |  |
|                                                                                          | DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS |                                          | SEE SHEET 1 |                            | SD-502761-001                                                                                                                    |                                                                                       | 2 OF 3                 |                                                                                                                 |  |
|                                                                                          | REV<br>A                                                   |                                          |             | SIZE<br>A3                 | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX<br>INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |                                                                                       |                        |                                                                                                                 |  |

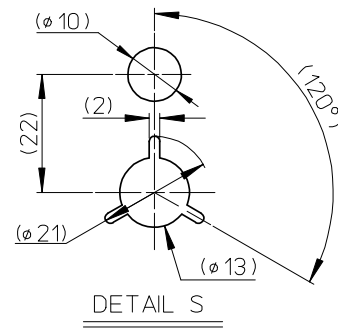


# NOTES

- 製品詳細寸法につきましては、SD-502761-001 を参照ください。  
RE DETAILED DIMENSION, SEE SD-502761-001
- 梱包数量：3000個/リール  
NUMBER OF CONNECTORS：3000PCS/REEL
- リードテープの長さ  
LEAD TAPE LENGTH

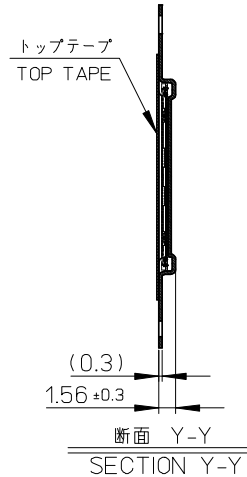
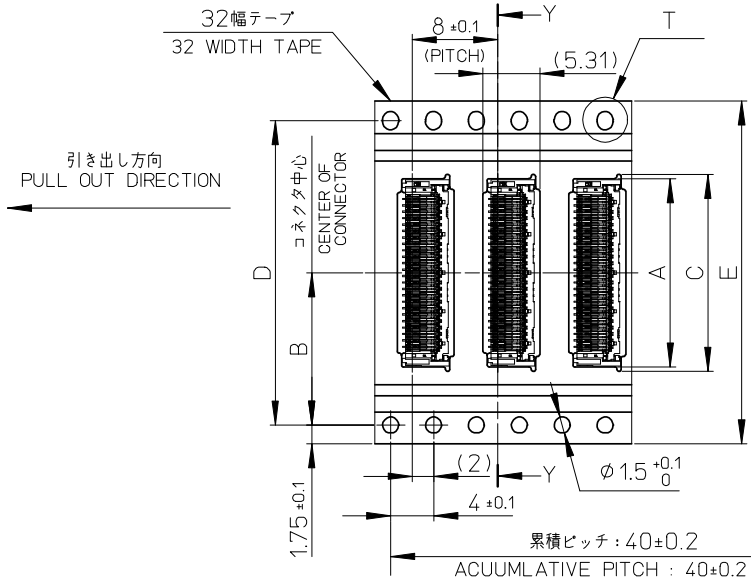


- 材料(MATERIAL)  
キャリアテープ(CARRIER TAPE)：ポリスチレン(POLYSTYRENE)  
トップテープ(TOP TAPE)：PET, PE, PEF  
リール(REEL)：ポリスチレン(POLYSTYRENE) <リサイクル材を含む>  
<RECYCLE MATERIAL CONTAINED>
- ELV 及び RoHS適合品  
ELV AND RoHS COMPLIANT.

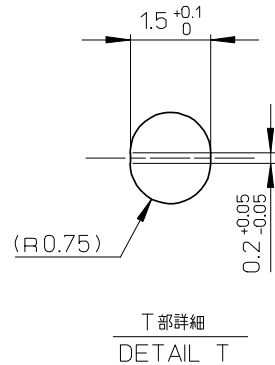
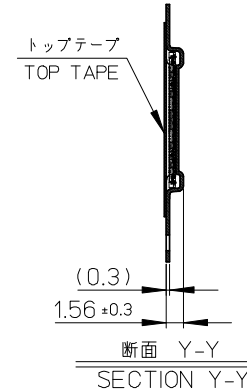
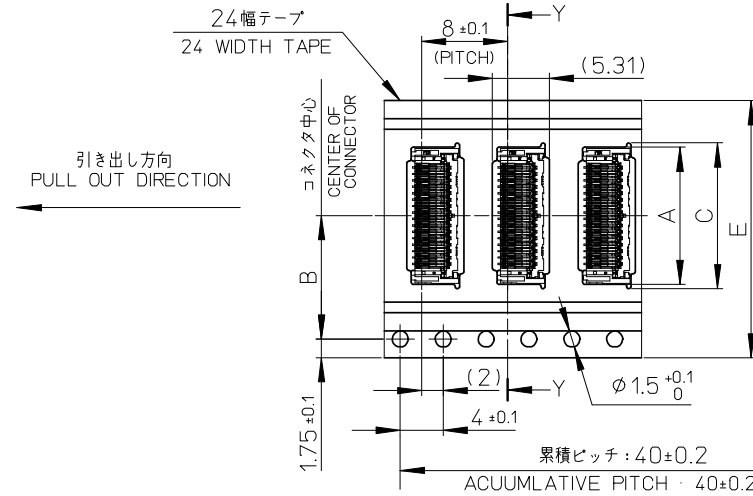


|                                                                                              |                                                 |                                                            |        |                             |                                                                                                                                  |                                                                                     |                        |                           |  |  |
|----------------------------------------------------------------------------------------------|-------------------------------------------------|------------------------------------------------------------|--------|-----------------------------|----------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|------------------------|---------------------------|--|--|
| RELEASED<br>EC NO: J2008-3700<br>0<br>DRWN: TRSUZUKI<br>CHKD: KMORI KAWA<br>APPR: KMORI KAWA | DESCRIPTION<br>08/06/13<br>08/06/13<br>08/06/16 | 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>2008/06/11                                                                                                               | TITLE<br>0.3 FPC CONN (H=0.62)<br>EMBOSSED TAPE PACKAGE<br>GOLD WITH NICKEL BARRIER |                        |                           |  |  |
|                                                                                              |                                                 | 10 OVER 30 UNDER                                           | ± 0.25 | CHECKED BY<br>KMORI KAWA    | DATE<br>2008/06/11                                                                                                               |                                                                                     |                        |                           |  |  |
|                                                                                              |                                                 | 30 OVER                                                    | ± 0.3  | APPROVED BY<br>HIRATA       | DATE<br>2008/06/11                                                                                                               | MOLEX INCORPORATED                                                                  |                        |                           |  |  |
|                                                                                              |                                                 | ANGULAR                                                    | ± 1 °  | MATERIAL NO.<br>SEE SHEET 2 |                                                                                                                                  |                                                                                     |                        |                           |  |  |
|                                                                                              |                                                 | 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 |                                                                                     |                        |                           |  |  |

キャリアテープ幅: 32mm品



キャリアテープ幅: 24mm品



|      |      |                                     |      |      |      |      |                      |                |
|------|------|-------------------------------------|------|------|------|------|----------------------|----------------|
| 37.4 | 33.4 | 32±0.3                              | 28.4 | 18.4 | 14.2 | 17.6 | 502761-4900          | 49             |
| 29.4 | 25.4 | 24±0.3                              | ---  | 13.6 | 11.5 | 12.8 | 502761-3300          | 33             |
| 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 |

|                                                                                          |                                                            |                                          |                                                                                                                                          |                            |                    |                                                                                    |                        |                           |  |  |
|------------------------------------------------------------------------------------------|------------------------------------------------------------|------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|----------------------------|--------------------|------------------------------------------------------------------------------------|------------------------|---------------------------|--|--|
| SEE SHEET 1<br>EC NO: J2008-3700<br>DRWN: TRSUZUKI<br>CHKD: KMORIKAWA<br>APPR: KMORIKAWA | 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>2008/06/11 | TITLE<br>0.3 FPC CONN (H=0.62)<br>EMBOSSD TAPE PACKAGE<br>GOLD WITH NICKEL BARRIER |                        |                           |  |  |
|                                                                                          |                                                            | 10 OVER 30 UNDER                         | ± 0.25                                                                                                                                   | CHECKED BY<br>KMORIKAWA    | DATE<br>2008/06/11 |                                                                                    |                        |                           |  |  |
|                                                                                          |                                                            | 30 OVER                                  | ± 0.3                                                                                                                                    | APPROVED BY<br>HHRATA      | DATE<br>2008/06/11 | MOLEX INCORPORATED                                                                 |                        |                           |  |  |
|                                                                                          |                                                            | ANGULAR ±1 °                             |                                                                                                                                          | MATERIAL NO.               |                    | DOCUMENT NO.                                                                       |                        | SHEET NO.                 |  |  |
|                                                                                          | DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS |                                          | SEE CHART                                                                                                                                |                            | SD-502761-002      |                                                                                    | 2 OF 2                 |                           |  |  |
|                                                                                          | REV                                                        |                                          | SIZE A3 THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX<br>INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |                            |                    |                                                                                    |                        |                           |  |  |