

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0536271274

Status:

Active

Overview:

slimstack\_0635mm\_025\_pitch

Description:

0.635mm (.025") Pitch SlimStack™ Header, Surface Mount, Dual Row, Vertical Stacking, 10.00 and 16.00mm (.394 and .630") Stacking Heights, Lead-free, 120 Circuits, with Embossed Tape with Cover Packaging

Documents:

3D Model

Drawing (PDF)

Product Specification PS-52760-015 (PDF)

RoHS Certificate of Compliance (PDF)

General

|                |                            |
|----------------|----------------------------|
| Product Family | PCB Headers                |
| Series         | 53627                      |
| Application    | Board-to-Board             |
| Comments       | Stacking-Type              |
| Overview       | slimstack_0635mm_025_pitch |
| Product Name   | SlimStack™                 |

Physical

|                                |                                                |
|--------------------------------|------------------------------------------------|
| Breakaway                      | No                                             |
| Circuits (Loaded)              | 120                                            |
| Color - Resin                  | Brown                                          |
| Durability (mating cycles max) | 50                                             |
| First Mate / Last Break        | No                                             |
| Glow-Wire Compliant            | No                                             |
| Guide to Mating Part           | No                                             |
| Keying to Mating Part          | None                                           |
| Lock to Mating Part            | Yes                                            |
| Mated Height (in)              | 0.394 In, 0.630 In                             |
| Mated Height (mm)              | 10.00 mm, 16.00 mm                             |
| Material - Metal               | Copper Alloy, Phosphor Bronze, Stainless Steel |
| Material - Plating Mating      | Gold                                           |
| Material - Plating Termination | Tin                                            |
| Number of Rows                 | 2                                              |
| Orientation                    | Vertical                                       |
| PCB Locator                    | Yes                                            |
| PCB Retention                  | Yes                                            |
| Packaging Type                 | Embossed Tape on Reel                          |
| Pitch - Mating Interface (in)  | 0.025 In                                       |
| Pitch - Mating Interface (mm)  | 0.64 mm                                        |
| Polarized to PCB               | Yes                                            |
| Robotic Placement              | Metal Cap                                      |
| Shrouded                       | Fully                                          |
| Temperature Range - Operating  | -55°C to +85°C                                 |
| Termination Interface: Style   | Surface Mount                                  |

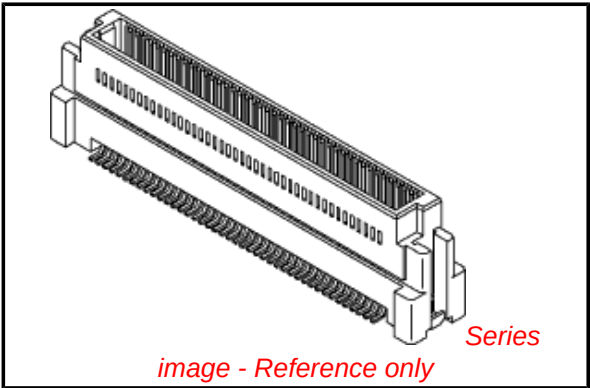
Electrical

|                               |      |
|-------------------------------|------|
| Current - Maximum per Contact | 0.5A |
| Voltage - Maximum             | 100V |

Material Info

Reference - Drawing Numbers

|                         |                                                                                          |
|-------------------------|------------------------------------------------------------------------------------------|
| Packaging Specification | SPK-53627-001                                                                            |
| Product Specification   | PS-52760-015, RPS-52760-017, RPS-52760-018, RPS-52760-020, RPS-52760-021, RPS-52760-025, |



EU RoHS

ELV and RoHS

Compliant

REACH SVHC

Contains SVHC: No

Halogen-Free

Status

Not Reviewed



Need more information on product environmental compliance?

Email [productcompliance@molex.com](mailto: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

53627Series

Mates With

SlimStack™ Receptacle [52760](#) , [52837](#) , [52885](#) , [52901](#)

This document was generated on 05/25/2010

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F

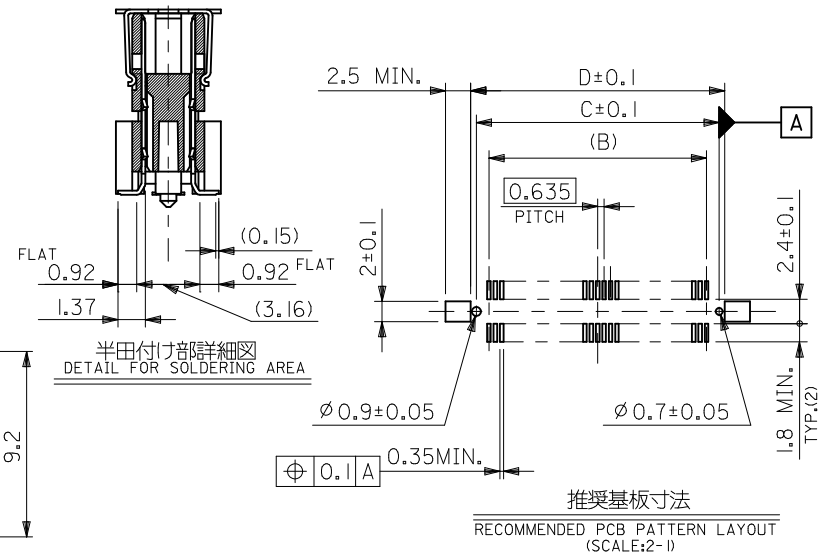
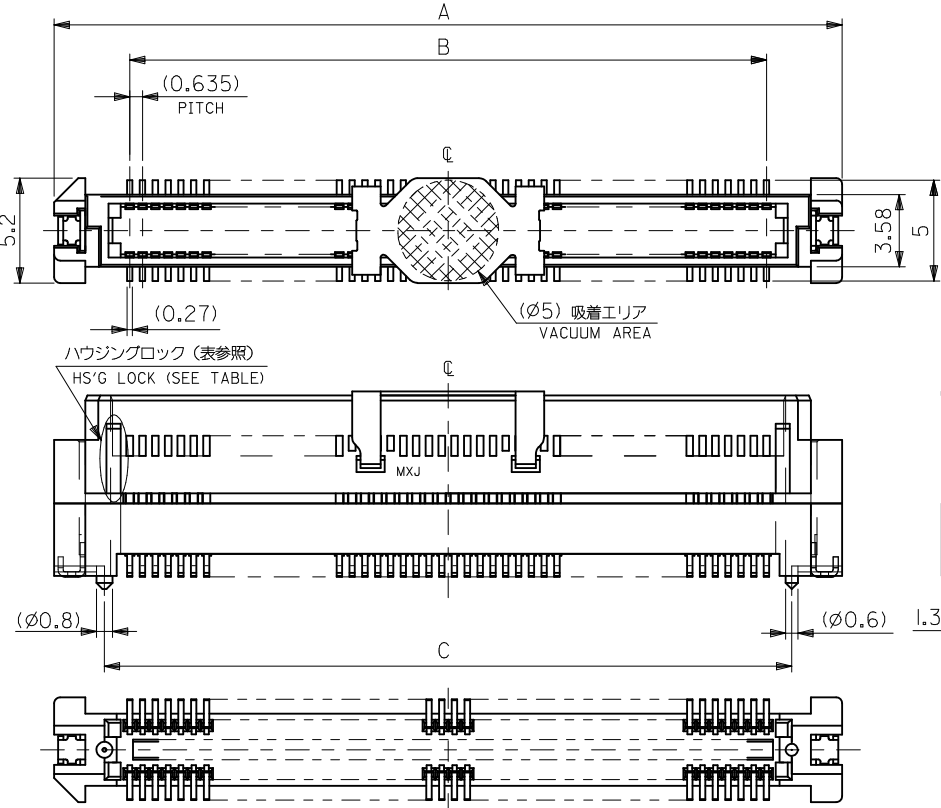
E

D

C

B

A



NOTES 1. 材質  
MATERIAL  
ハウジング: ガラス入りPPS、茶色、UL94V-0  
HOUSING: POLYPHENYLENE SULFIDE, GLASS FILLED, BROWN, UL94V-0  
ターミナル: 銅合金 (t=0.2)、ニッケルメッキ下地1.5マイクロメートル以上  
TERMINAL: COPPER ALLOY, UNDER-PLATING: NICKEL 1.5 MICROMETER MIN.  
接点部: 金メッキ 0.25マイクロメートル以上  
CONTACT AREA: GOLD 0.25 MICROMETER MIN.  
半田付け部: 錫メッキ1.0マイクロメートル以上  
SOLDER TAIL AREA: TIN 1.0 MICROMETER MIN.  
ネール: リン青銅 (t=0.2)、ニッケルメッキ下地1.0マイクロメートル以上  
NAIL: PHOSPHOR BRONZE, UNDER-PLATING: NICKEL 1.0 MICROMETER MIN.  
錫メッキ1.0マイクロメートル以上  
TIN 1.0 MICROMETER MIN.  
吸着カバー: ステンレス (t=0.2)  
VACUUM COVER: STAINLESS STEEL

2. テールのバラツキ寸法  
TAIL COPLANARITY  
テール平坦度は、0.1ミリ以下とする。  
TAILS COPLANARITY TO BE 0.1 MILLIMETER MAX.

|                      |       |       |        |       |            |            |                            |
|----------------------|-------|-------|--------|-------|------------|------------|----------------------------|
| 無し<br>NO             | 66.47 | 65.37 | 62.865 | 70.37 | 53627-2074 | —          | 200                        |
|                      | 53.77 | 52.67 | 50.165 | 57.67 | —          | 53627-1675 | 160                        |
|                      | 47.42 | 46.32 | 43.815 | 51.32 | 53627-1474 | -1475      | 140                        |
|                      | 41.07 | 39.97 | 37.465 | 44.97 | -1274      | -1275      | 120                        |
|                      | 34.72 | 33.62 | 31.115 | 38.62 | -1074      | -1075      | 100                        |
| 有り<br>YES            | 31.55 | 30.45 | 27.94  | 35.45 | -0974      | -0975      | 90                         |
|                      | 28.37 | 27.27 | 24.765 | 32.27 | -0874      | -0875      | 80                         |
|                      | 25.2  | 24.1  | 21.59  | 29.1  | -0774      | -0775      | 70                         |
|                      | 22.02 | 20.92 | 18.415 | 25.92 | -0674      | -0675      | 60                         |
|                      | 18.85 | 17.75 | 15.24  | 22.75 | -0574      | -0575      | 50                         |
| ハウジングロック<br>HSG LOCK | 15.67 | 14.57 | 12.065 | 19.57 | -0474      | -0475      | 40                         |
|                      | 12.5  | 11.4  | 8.89   | 16.4  | -0374      | -0375      | 30                         |
|                      | 9.32  | 8.22  | 5.715  | 13.22 | 53627-0274 | 53627-0275 | 20                         |
| CONNECTOR SERIES No. |       |       |        |       |            |            | 53627-**72                 |
| HSG LOCK             |       |       |        |       |            |            | エンボス梱包<br>EMBOSSED PACKAGE |
| D                    |       |       |        |       |            |            | スティック梱包<br>STICK PACKAGE   |
| C                    |       |       |        |       |            |            | 極数<br>CIRCUITS             |
| B                    |       |       |        |       |            |            |                            |
| A                    |       |       |        |       |            |            |                            |

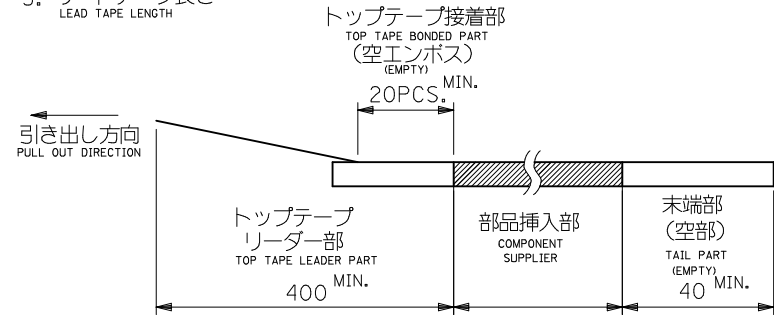
|                                                                                    |                                                       |                                                            |                                                                                                                                  |                         |                    |                                                                                       |                    |                                                                                       |  |  |
|------------------------------------------------------------------------------------|-------------------------------------------------------|------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|-------------------------|--------------------|---------------------------------------------------------------------------------------|--------------------|---------------------------------------------------------------------------------------|--|--|
| REVISED<br>EC NO: J2010-2/58<br>DRWN:TKA/HO<br>CHKD:M. SASAO<br>APPR:MSASAO<br>REV | DESCRIPTION<br>2010/06/04<br>2010/06/10<br>2010/06/11 | GENERAL TOLERANCES<br>(UNLESS SPECIFIED)                   |                                                                                                                                  | DIMENSION STYLE         |                    | SCALE                                                                                 | DESIGN UNITS       | THIRD ANGLE<br>PROJECTION                                                             |  |  |
|                                                                                    |                                                       |                                                            |                                                                                                                                  | MM ONLY                 |                    | ---                                                                                   | METRIC             |  |  |  |
|                                                                                    |                                                       | 10 UNDER                                                   | ±0.2                                                                                                                             | DRAWN BY<br>Y. SAKIYAMA | DATE<br>2004/03/05 | TITLE<br>0.635 PITCH B/B CONN.<br>PLUG HSG COVER ASSY<br>-LEAD FREE-                  |                    |                                                                                       |  |  |
|                                                                                    |                                                       | 10 OVER 30 UNDER                                           | ±0.25                                                                                                                            | CHECKED BY<br>M. SASAO  | DATE<br>2004/03/05 |                                                                                       |                    |                                                                                       |  |  |
|                                                                                    |                                                       | 30 OVER                                                    | ±0.3                                                                                                                             | APPROVED BY<br>M. SASAO | DATE<br>2004/03/05 |  | MOLEX INCORPORATED |                                                                                       |  |  |
|                                                                                    |                                                       | ANGULAR ±3 °                                               |                                                                                                                                  | MATERIAL NO.            |                    |                                                                                       |                    |                                                                                       |  |  |
|                                                                                    |                                                       | DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS |                                                                                                                                  | SEE CHART               |                    | SD-53627-001                                                                          |                    | 1 OF 1                                                                                |  |  |
|                                                                                    |                                                       | SIZE<br>A3                                                 | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX<br>INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |                         |                    |                                                                                       |                    |                                                                                       |  |  |

# NOTES

1. 製品番号 53627-\*\*72 の詳細寸法については SD-53627-001 を参照下さい。  
IN THE PACKAGE , PART NO. 53627-\*\*72 DETAILED DIMENSIONS , SEE SD-53627-001.

2. 梱包数量 : 700個/リール  
NUMBER OF CONNECTORS : 700 PCS/REEL

3. リードテープ長さ  
LEAD TAPE LENGTH



4. トップテープの剥離強度 (剥離方向は下図参照)  
PEELING OFF FORCE OF TOP TAPE (PEELING DIRECTION AS SHOWN IN FOLLOWING FIG.)

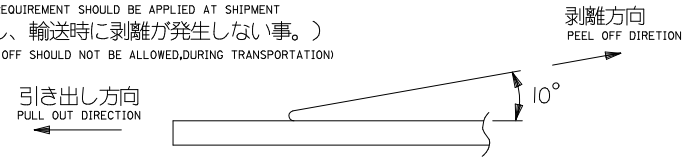
0.1 ~ 1.3N {10 ~ 130gf}

尚、本規格値は、出荷時に適用。

THIS REQUIREMENT SHOULD BE APPLIED AT SHIPMENT

(但し、輸送時に剥離が発生しない事。)

(PEEL OFF SHOULD NOT BE ALLOWED, DURING TRANSPORTATION)



5. 材料

MATERIAL

キャリアテープ : ポリプロピレン (PP)

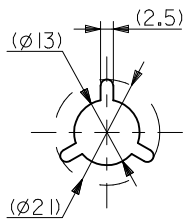
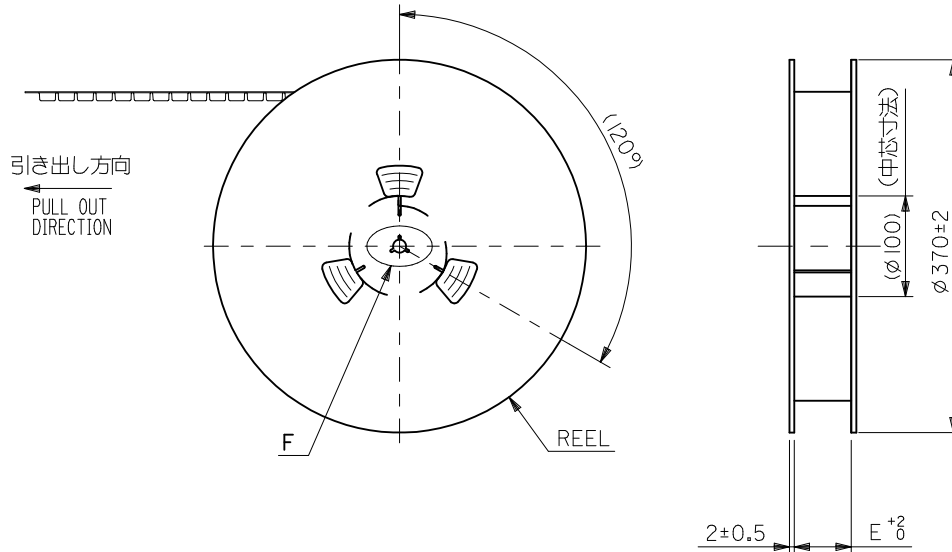
CARRIER TAPE : POLYPROPYLENE (PP)

トップテープ : PET, PE, PEF

TOP TAPE : PET, PE, PEF

リール : 紙

REEL : CARD BOARD



DETAIL F

|         |                   |                                        |                                           |             |                                                                                                                                  |        |                            |                    |                                                                          |                             |                           |  |           |
|---------|-------------------|----------------------------------------|-------------------------------------------|-------------|----------------------------------------------------------------------------------------------------------------------------------|--------|----------------------------|--------------------|--------------------------------------------------------------------------|-----------------------------|---------------------------|--|-----------|
| REVISED | EC NO: J2010-2458 | 2010/06/04<br>2010/06/10<br>2010/06/11 | DRWN:TKAHO<br>CHKD:M.SASAO<br>APPR:MSASAO | 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>Y.SAKIYAMA     | DATE<br>2004/03/05 | TITLE<br>EMBSTP PKG FOR 0.635 B/B<br>PLUG HSG ASSY (H=10)<br>-LEAD FREE- |                             |                           |  |           |
|         |                   |                                        |                                           |             | 10 OVER 30 UNDER                                                                                                                 | ± 0.25 |                            |                    |                                                                          | CHECKED BY<br>M.SASAO       | DATE<br>2004/03/05        |  |           |
|         |                   |                                        |                                           |             | 30 OVER                                                                                                                          | ± 0.3  | APPROVED BY<br>M.SASAO     | DATE<br>2004/03/05 |                                                                          | MOLEX<br>MOLEX INCORPORATED |                           |  |           |
|         |                   |                                        |                                           |             | ANGULAR ±3 °                                                                                                                     |        | MATERIAL NO.               |                    |                                                                          |                             | DOCUMENT NO.              |  | SHEET NO. |
|         |                   |                                        |                                           |             | DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS                                                                       |        | SEE CHART                  |                    |                                                                          |                             | SD-53627-002              |  | 1 OF 3    |
| B       | REV               |                                        |                                           | SIZE<br>A3  | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX<br>INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |        |                            |                    |                                                                          |                             |                           |  |           |

F

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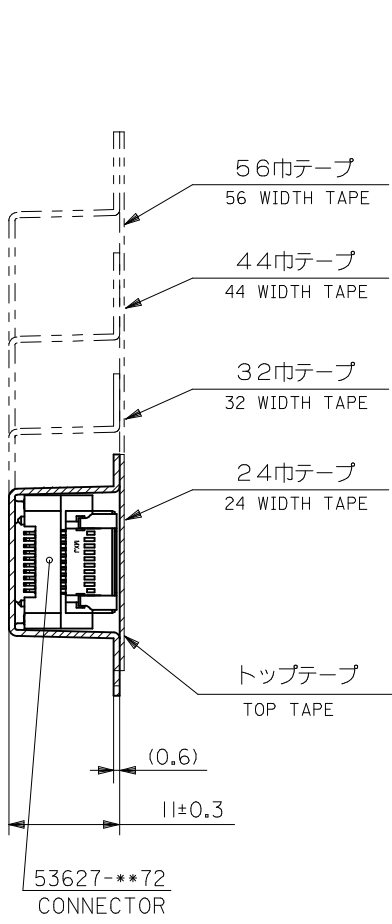
E

D

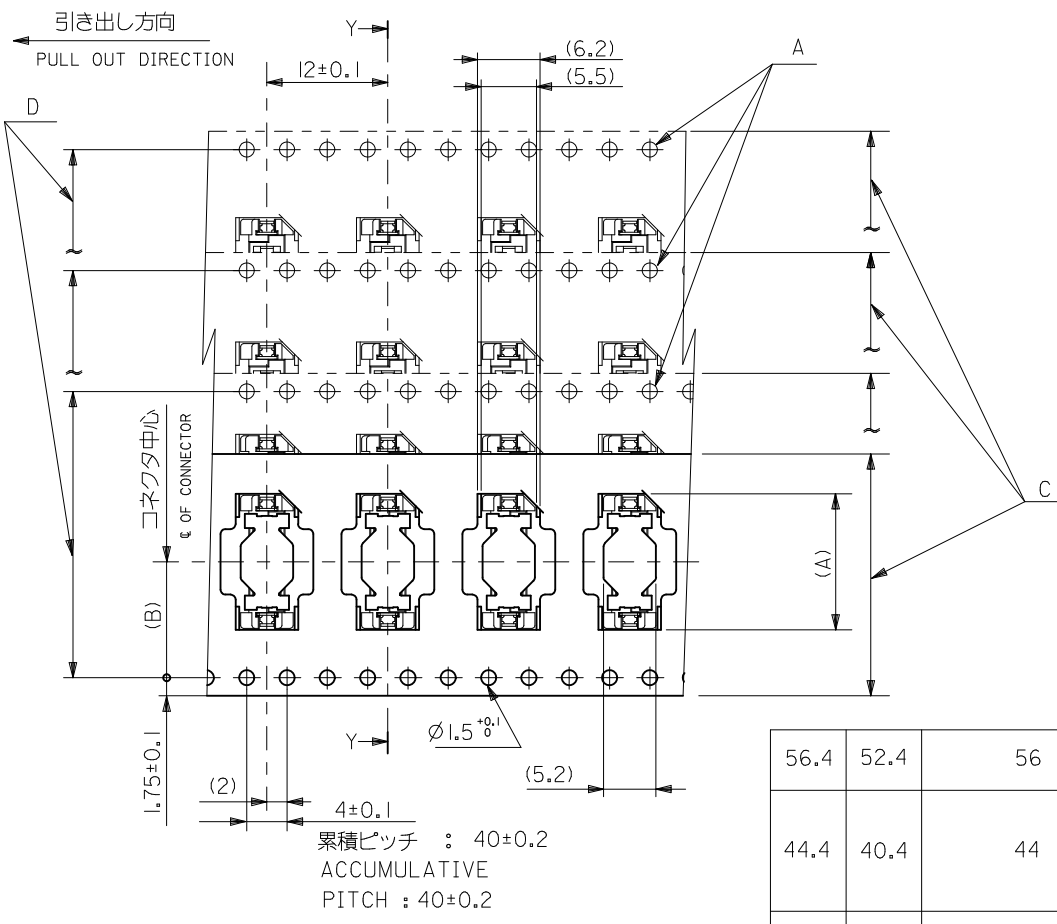
C

B

A



断面 Y-Y  
SECTION Y-Y



|      |      |    |                                |      |            |                             |
|------|------|----|--------------------------------|------|------------|-----------------------------|
| 56.4 | 52.4 | 56 | 26.2                           | 38.9 | 53627-1074 | 100                         |
|      |      |    |                                | 35.8 | -0974      | 90                          |
|      |      |    |                                | 32.6 | -0874      | 80                          |
| 44.4 | 40.4 | 44 | 20.2                           | 29.4 | -0774      | 70                          |
|      |      |    |                                | 26.2 | -0674      | 60                          |
|      |      |    |                                | 23.1 | -0574      | 50                          |
| 32.4 | 28.4 | 32 | 14.2                           | 19.9 | -0474      | 40                          |
|      |      |    |                                | 16.7 | -0374      | 30                          |
| 24.4 | —    | 24 | 11.5                           | 13.5 | 53627-0274 | 20                          |
| E    | D    | C  | キャリアテープ幅<br>CARRIER TAPE WIDTH | (B)  | (A)        | MATERIAL NO. 極数<br>CIRCUITS |

|                                                                           |                    |                                                            |  |                            |  |                                                                                                                                  |  |
|---------------------------------------------------------------------------|--------------------|------------------------------------------------------------|--|----------------------------|--|----------------------------------------------------------------------------------------------------------------------------------|--|
| REVISED<br>EC NO: J2010-2458<br>DRWN:TKAHO<br>CHKD:M.SASAO<br>APPR:MSASAO | DESCRIPTION<br>REV | GENERAL TOLERANCES<br>(UNLESS SPECIFIED)                   |  | DIMENSION STYLE<br>MM ONLY |  | CONNECTOR SERIES No.<br>53627-***72                                                                                              |  |
|                                                                           |                    |                                                            |  | SCALE<br>---               |  | DESIGN UNITS<br>METRIC                                                                                                           |  |
|                                                                           |                    | 10 UNDER ±0.2                                              |  | DRAWN BY<br>Y.SAKIYAMA     |  | DATE<br>2004/03/05                                                                                                               |  |
|                                                                           |                    | 10 OVER 30 UNDER ±0.25                                     |  | CHECKED BY<br>M.SASAO      |  | DATE<br>2004/03/05                                                                                                               |  |
|                                                                           |                    | 30 OVER ±0.3                                               |  | APPROVED BY<br>M.SASAO     |  | DATE<br>2004/03/05                                                                                                               |  |
| ANGULAR ±3 °                                                              |                    | DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS |  | SEE CHART                  |  | moLEX MOLEX INCORPORATED                                                                                                         |  |
|                                                                           |                    |                                                            |  | MATERIAL NO.               |  | DOCUMENT NO.<br>SD-53627-002                                                                                                     |  |
|                                                                           |                    |                                                            |  | SIZE<br>A3                 |  | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX<br>INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |  |

EMBSTP PKG FOR 0.635 B/B  
PLUG HSG ASSY (H=10)  
-LEAD FREE-

THIRD ANGLE  
PROJECTION

SHEET NO.  
2 OF 3

