

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

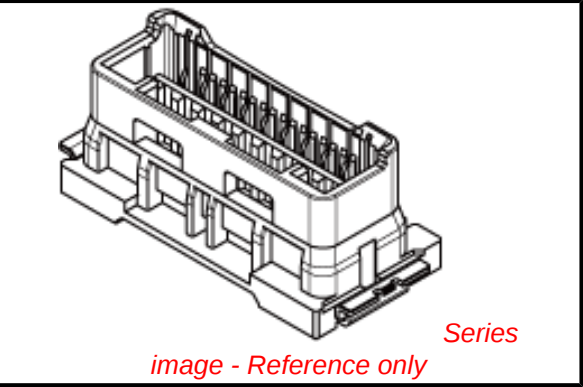
5033951010

Status:

Active

Description:

1.50mm (.059") Pitch CLIK-Mate™ Wire-to-Board PCB Receptacle, Single Row, SMT, Bottom Entry, 10 Circuits



|               |                                           |
|---------------|-------------------------------------------|
| Documents:    |                                           |
| 3D Model      | Product Specification PS-503395-001 (PDF) |
| Drawing (PDF) | RoHS Certificate of Compliance (PDF)      |

|                                |                              |
|--------------------------------|------------------------------|
| General                        |                              |
| Product Family                 | PCB Receptacles              |
| Series                         | 503395                       |
| Application                    | Wire-to-Board                |
| Product Name                   | CLIK-Mate™                   |
| Physical                       |                              |
| Circuits (Loaded)              | 10                           |
| Color - Resin                  | Beige                        |
| Durability (mating cycles max) | 30                           |
| Glow-Wire Compliant            | No                           |
| Guide to Mating Part           | Yes                          |
| Keying to Mating Part          | Yes                          |
| Lock to Mating Part            | Yes                          |
| Material - Metal               | Copper Alloy                 |
| Material - Plating Mating      | Tin                          |
| Material - Plating Termination | Tin                          |
| Number of Rows                 | 1                            |
| Orientation                    | Bottom Entry                 |
| PCB Retention                  | Yes                          |
| Packaging Type                 | Tray                         |
| Pitch - Mating Interface (in)  | 0.059 In                     |
| Pitch - Mating Interface (mm)  | 1.50 mm                      |
| Polarized to Mating Part       | Yes                          |
| Polarized to PCB               | Yes                          |
| Temperature Range - Operating  | -25°C to +85°C               |
| Termination Interface: Style   | Surface Mount                |
| Electrical                     |                              |
| Current - Maximum per Contact  | 2A                           |
| Voltage - Maximum              | 100V                         |
| Material Info                  |                              |
| Reference - Drawing Numbers    |                              |
| Application Specification      | AS-503395-001                |
| Packaging Specification        | SPK-503395-001               |
| Product Specification          | PS-503395-001                |
| Sales Drawing                  | SD-503395-001, SD-503395-002 |

EU RoHS

ELV and RoHS

Compliant

REACH SVHC

Contains SVHC: No

Halogen-Free

Status

Not Reviewed

China RoHS

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.

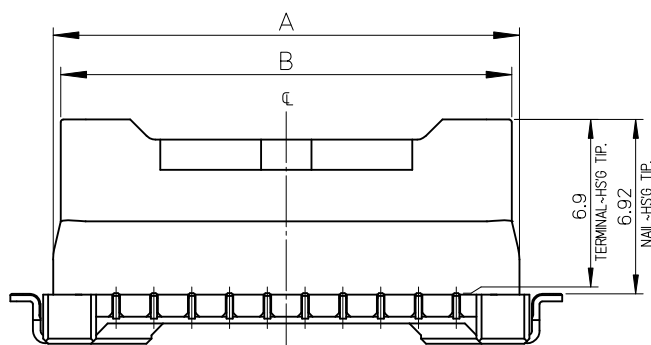
Search Parts in this Series

503395Series

Mates With

502578 Crimp Housing . 502579 Crimp Terminal

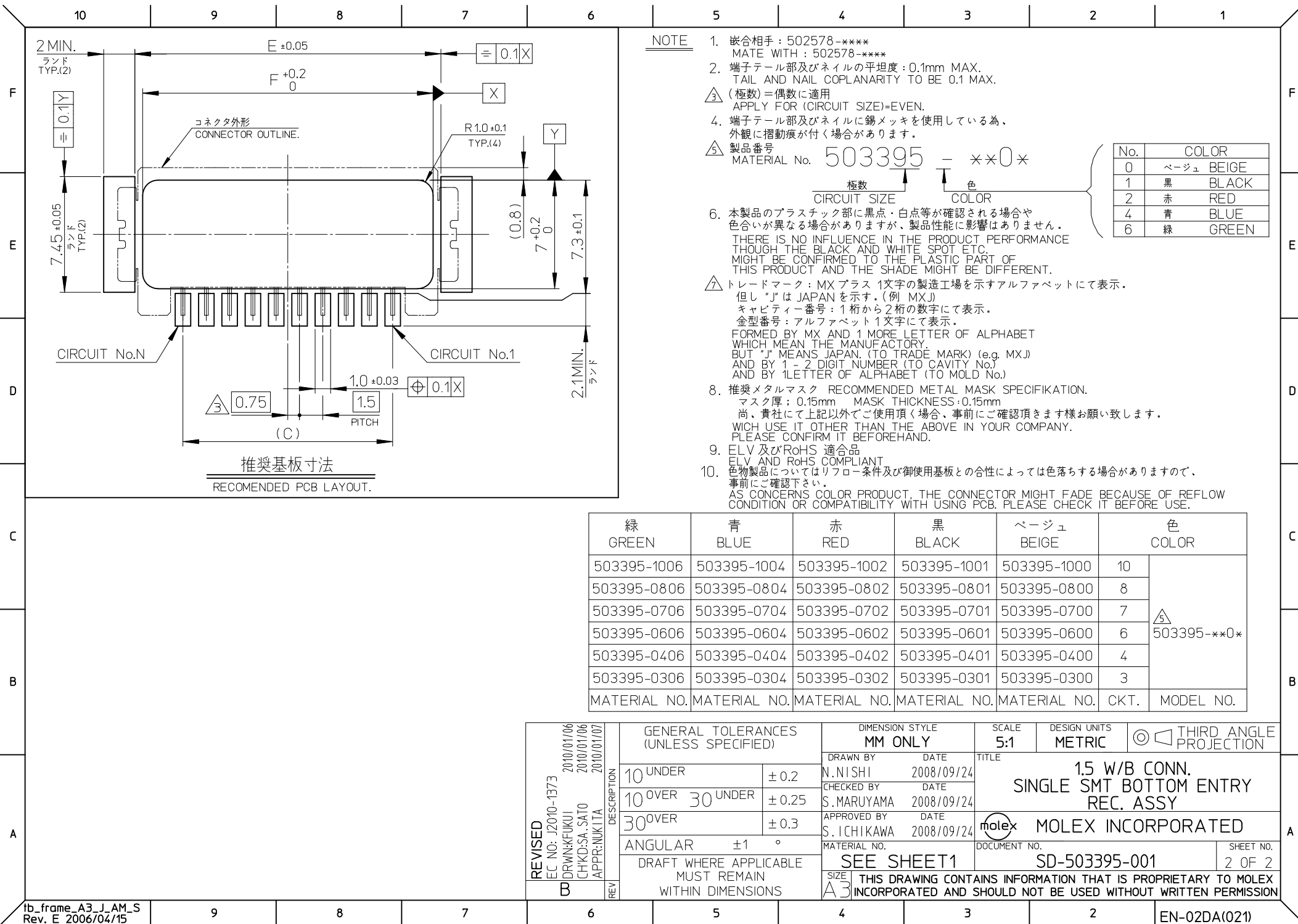
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| No. | PART     | MATERIAL                                                                                                                                                   |
|-----|----------|------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ①   | HOUSING  | 46 ナイロン (PA46)・UL94V-0. 色:注記 △参照<br>46NYLON(PA46), UL94V-0. COLOR : REFER TO NOTES △.                                                                      |
| ②   | TERMINAL | 銅合金<br>COPPER ALLOY<br><br>錫メッキ: 1.0μm 以上<br>TIN : 1.0 MICROMETER MINIMUM.<br><br>ニッケルメッキ(下地): 1.0μm 以上<br>NICKEL (UNDER PLATING): 1.0 MICROMETER MINIMUM. |
| ③   | NAIL     | 黄銅<br>BRASS<br><br>錫メッキ: 1.0μm 以上<br>TIN : 1.0 MICROMETER MINIMUM.<br><br>ニッケルメッキ(下地): 1.0μm 以上<br>NICKEL (UNDER PLATING): 1.0 MICROMETER MINIMUM.         |

|      |      |      |      |      |      |                |                |         |
|------|------|------|------|------|------|----------------|----------------|---------|
| 18.7 | 19.3 | 21.9 | 13.5 | 17.9 | 18.5 | 503395 - 101*  | 503395 - 100*  | 10      |
| 15.7 | 16.3 | 18.9 | 10.5 | 14.9 | 15.5 | 503395 - 081*  | 503395 - 080*  | 8       |
| 14.2 | 14.8 | 17.4 | 9    | 13.4 | 14   | 503395 - 071*  | 503395 - 070*  | 7       |
| 12.7 | 13.3 | 15.9 | 7.5  | 11.9 | 12.5 | 503395 - 061*  | 503395 - 060*  | 6       |
| 9.7  | 10.3 | 12.9 | 4.5  | 8.9  | 9.5  | 503395 - 041*  | 503395 - 040*  | 4       |
| 8.2  | 8.8  | 11.4 | 3    | 7.4  | 8    | 503395 - 031*  | 503395 - 030*  | 3       |
| F    | E    | D    | C    | B    | A    | EMBOSSSED TAPE | 5 MATERIAL No. | CIRCUIT |
|      |      |      |      |      |      | ORDER No.      |                |         |

|                                                                             |                                                            |                                                                                                                                  |           |                            |                    |                                                                                                          |                        |                                                                                                                 |  |
|-----------------------------------------------------------------------------|------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|-----------|----------------------------|--------------------|----------------------------------------------------------------------------------------------------------|------------------------|-----------------------------------------------------------------------------------------------------------------|--|
| REVISED<br>EC NO: J2010-1373<br>DRWN:KFUKUI<br>CHKD:SA. SATO<br>APPR:NUKITA | DESCRIPTION                                                | GENERAL TOLERANCES<br>(UNLESS SPECIFIED)                                                                                         |           | DIMENSION STYLE<br>MM ONLY |                    | SCALE<br>5:1                                                                                             | DESIGN UNITS<br>METRIC |  THIRD ANGLE<br>PROJECTION |  |
|                                                                             |                                                            | 10 UNDER                                                                                                                         | ± 0.2     | DRAWN BY<br>N.NISHI        | DATE<br>2008/09/24 | TITLE<br>1.5 W/B CONN.<br>SINGLE SMT BOTTOM ENTRY<br>REC. ASSY                                           |                        |                                                                                                                 |  |
|                                                                             |                                                            | 10 OVER 30 UNDER                                                                                                                 | ± 0.25    | CHECKED BY<br>S.MARUYAMA   | DATE<br>2008/09/24 |                                                                                                          |                        |                                                                                                                 |  |
|                                                                             |                                                            | 30 OVER                                                                                                                          | ± 0.3     | APPROVED BY<br>S.ICHIKAWA  | DATE<br>2008/09/24 |  MOLEX INCORPORATED |                        |                                                                                                                 |  |
|                                                                             |                                                            | ANGULAR ±1 °                                                                                                                     |           | MATERIAL NO.               |                    |                                                                                                          |                        |                                                                                                                 |  |
|                                                                             | DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS |                                                                                                                                  | SEE CHART |                            | SD-503395-001      |                                                                                                          | 1 OF 2                 |                                                                                                                 |  |
|                                                                             | REV                                                        | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX<br>INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |           |                            |                    |                                                                                                          |                        |                                                                                                                 |  |





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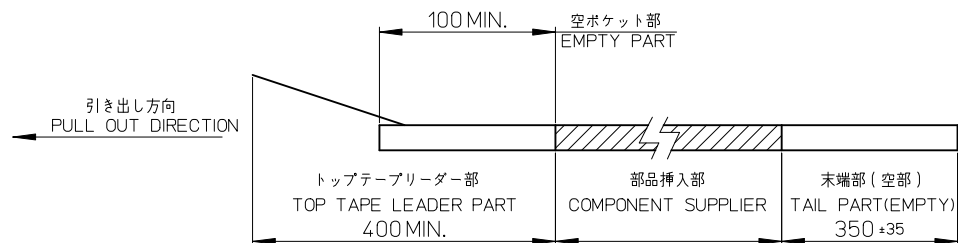
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## NOTES

- 製品詳細寸法については、製品単体図面 (SD-503395-001) を参照下さい。  
RE DETAILED DIMENSION, SEE SALES DRAWING.
- 梱包数量: 600 個/リール  
NUMBER OF CONNECTORS : 600 PCS/REEL.
- リードテープ長さ  
LEAD TAPE LENGTH.



## 4. 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 (PS) <リサイクル材含む>  
POLYSTYRENE (PS)<RECYCLE MATERIAL CONTAINED>

5. ELV 及びRoHS 適合品  
ELV AND RoHS COMPLIANT6. 本製品は乾燥剤入り、ハイバリア梱包仕様である。  
THIS PRODUCT IS HIGH BARRIER PACKAGE  
WITH DESICCANT.7. 色物製品についてはリフロー条件及び御使用基板との合性によっては  
色落ちする場合がありますので事前にご確認ください。  
AS CONCERNS COLOR PRODUCT, THE CONNECTOR  
MIGHT FADE BECAUSE OF REFLOW CONDITION OR  
COMPATIBILITY WITH PCB USING.  
PLEASE CHECK IT BEFORE USE.

| 緑<br>GREEN   | 青<br>BLUE    | 赤<br>RED     | 黒<br>BLACK   | ベージュ<br>BEIGE | 色<br>COLOR |
|--------------|--------------|--------------|--------------|---------------|------------|
| 503395-1016  | 503395-1014  | 503395-1012  | 503395-1011  | 503395-1010   | 10         |
| 503395-0816  | 503395-0814  | 503395-0812  | 503395-0811  | 503395-0810   | 8          |
| 503395-0716  | 503395-0714  | 503395-0712  | 503395-0711  | 503395-0710   | 7          |
| 503395-0616  | 503395-0614  | 503395-0612  | 503395-0611  | 503395-0610   | 6          |
| 503395-0416  | 503395-0414  | 503395-0412  | 503395-0411  | 503395-0410   | 4          |
| 503395-0316  | 503395-0314  | 503395-0312  | 503395-0311  | 503395-0310   | 3          |
| MATERIAL NO. | MATERIAL NO. | MATERIAL NO. | MATERIAL NO. | MATERIAL NO.  | CKT.       |
|              |              |              |              |               | MODEL NO.  |

|                                                                            |             |                                                            |        |                               |                                                                                                                                  |                                                                                                                                                                                      |                        |                                                                                                                 |
|----------------------------------------------------------------------------|-------------|------------------------------------------------------------|--------|-------------------------------|----------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|-----------------------------------------------------------------------------------------------------------------|
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|                                                                            |             | 10 UNDER                                                   | ± 0.2  | DRAWN BY<br>T.KAKIMOTO        | DATE<br>2008/11/05                                                                                                               | TITLE<br>1.5 W/B CONN.<br>SINGLE SMT BOTTOM ENTRY<br>EMBOSS TAPE PACKAGE<br> MOLEX INCORPORATED |                        |                                                                                                                 |
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|                                                                            | REV         |                                                            |        | SIZE<br>A3                    | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX<br>INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |                                                                                                                                                                                      |                        |                                                                                                                 |
|                                                                            |             |                                                            |        | DOCUMENT NO.<br>SD-503395-002 |                                                                                                                                  | SHEET NO.<br>2 OF 2                                                                                                                                                                  |                        |                                                                                                                 |

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