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Part Number:

5010141474

Status:

Active

Description:

0.50mm (.020") Pitch Cradlecon™ I/O Plug, SMT, Right Angle, Through Hole Shell Tabs, 14 Circuits, with Kapton Pick and Place Tape

Documents:

3D Model

Drawing (PDF)

Product Specification PS-500887-002 (PDF)

Product Specification PS-59205-011 (PDF)

RoHS Certificate of Compliance (PDF)

General

|                |                  |
|----------------|------------------|
| Product Family | I/O Connectors   |
| Series         | 501014           |
| Application    | Wire-to-Board    |
| Comments       | With Kapton Tape |
| Component Type | Plug             |
| Product Name   | CradleCon™       |
| Type           | N/A              |

Physical

|                                |                                |
|--------------------------------|--------------------------------|
| Boot Color                     | N/A                            |
| Circuits (Loaded)              | 14                             |
| Circuits (maximum)             | 14                             |
| Color - Resin                  | Black                          |
| Gender                         | Plug                           |
| Lock to Mating Part            | Yes                            |
| Material - Metal               | Brass                          |
| Material - Plating Mating      | Gold                           |
| Material - Plating Termination | Tin                            |
| Material - Resin               | High Temperature Thermoplastic |
| Number of Rows                 | 2                              |
| Orientation                    | Right Angle                    |
| PCB Locator                    | Yes                            |
| PCB Retention                  | Yes                            |
| PCB Thickness Recommended (in) | 0.031 In, 0.039 In             |
| PCB Thickness Recommended (mm) | 0.80 mm, 1.00 mm               |
| Packaging Type                 | Embossed Tape on Reel          |
| Panel Mount                    | No                             |
| Pitch - Mating Interface (in)  | 0.020 In                       |
| Pitch - Mating Interface (mm)  | 0.50 mm                        |
| Pitch - Term. Interface (in)   | 0.020 In                       |
| Pitch - Term. Interface (mm)   | 0.50 mm                        |
| Plating min: Mating (µin)      | 8                              |
| Plating min: Mating (µm)       | 0.2                            |
| Plating min: Termination (µin) | 80                             |
| Plating min: Termination (µm)  | 2                              |
| Polarized to Mating Part       | Yes                            |
| Polarized to PCB               | Yes                            |
| Ports                          | 1                              |
| Surface Mount Compatible (SMC) | Yes                            |
| Temperature Range - Operating  | -20°C to +60°C                 |
| Termination Interface: Style   | Surface Mount                  |
| Waterproof / Dustproof         | No                             |

Electrical

|                               |      |
|-------------------------------|------|
| Current - Maximum per Contact | 0.4A |
|-------------------------------|------|

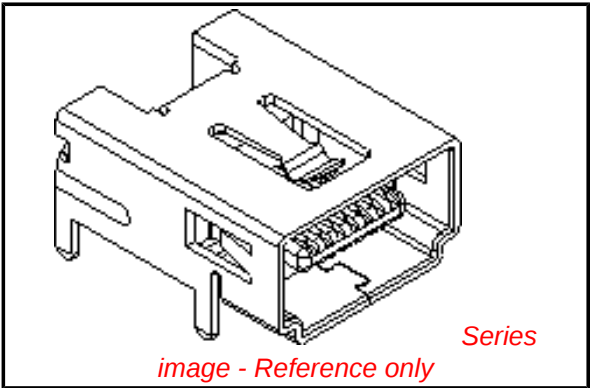


image - Reference only

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](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

501014Series

Mates With

Custom Harness, 500887-1419

Shield Type  
Shielded  
Voltage - Maximum

Full Shield  
Yes  
30V AC (RMS)/DC

Material Info

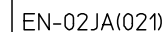
Reference - Drawing Numbers

Product Specification  
Sales Drawing

PS-500887-002, PS-59205-011, RPS-500240-003  
SD-501014-007, SD-501014-008

This document was generated on 04/19/2010

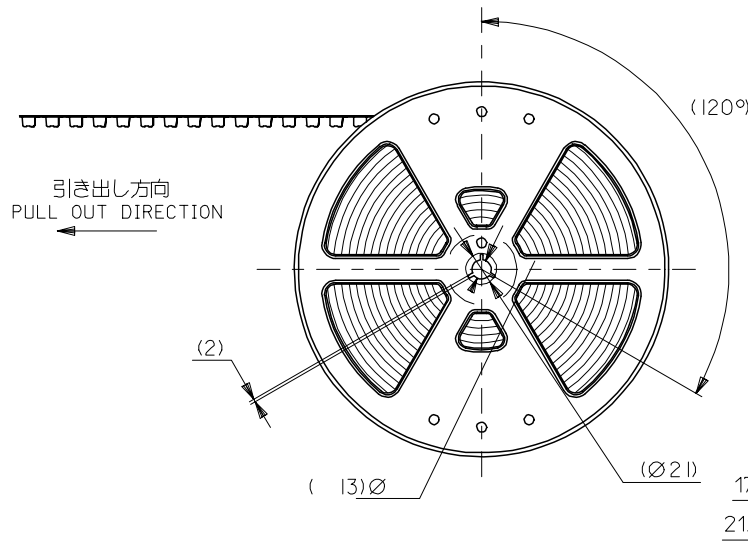
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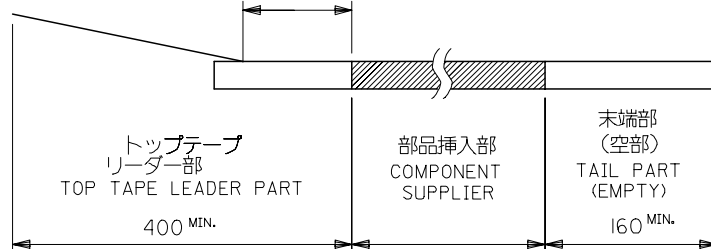
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Rev. D 2004/04/02

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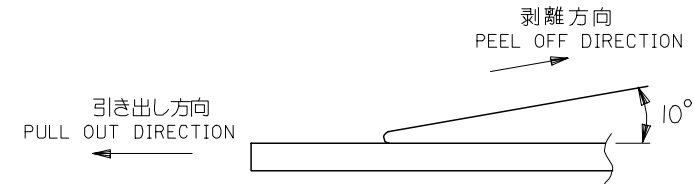


- 注 記  
NOTES
- 製品番号 501014-1425 の詳細寸法については、SD-501014-007 を参照下さい。  
IN THE PACKAGE, PART NO. 501014-1425 RE DETAILED DIMENSIONS, SEE SD-501014-007.
  - 梱包数量 : 900 個/リール  
NUMBER OF CONNECTORS : 900 PCS/REEL
  - リードテープ長さ  
LEAD TAPE LENGTH

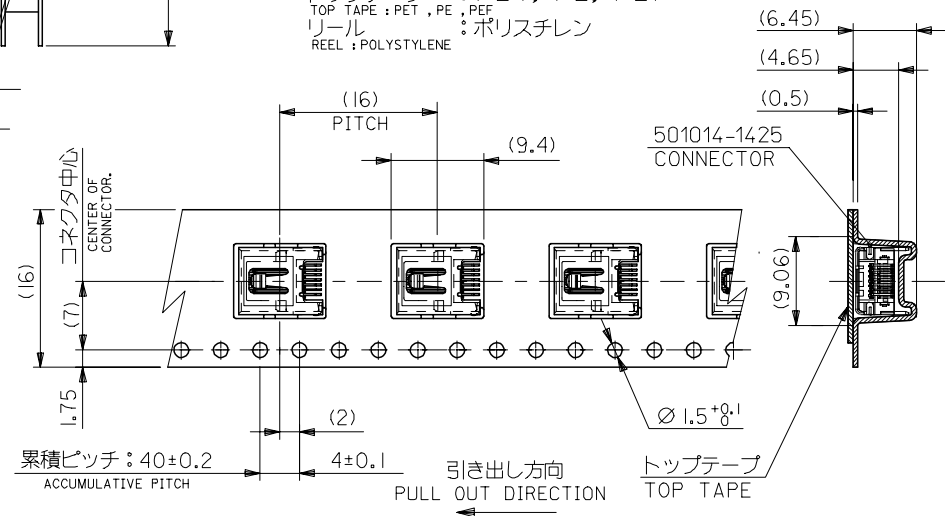
トップテープ接着部  
TOP TAPE BONDED PART  
(空エンボス)  
(EMPTY)  
20PCS. MIN.



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。  
(但し、輸送時に剥離が発生しない事。)  
THIS REQUIREMENT SHOULD BE APPLIED AT SHIPMENT  
(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 : ポリスチレン  
REEL : POLYSTYLENE



6. 本製品は 55768-1494 の鉛フリー品である。  
THIS PRODUCT IS LEAD FREE OF 55768-1494.

| I4   | 501014-1425 | 501014-1474  | 501014-**7* |
|------|-------------|--------------|-------------|
| CKT. | CONNECTOR   | MATERIAL NO. | MODEL NO.   |

|                                                                                         |                                                       |                                                                                                                                  |       |                            |                   |                                                             |                        |                           |  |           |  |
|-----------------------------------------------------------------------------------------|-------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|-------|----------------------------|-------------------|-------------------------------------------------------------|------------------------|---------------------------|--|-----------|--|
| RELEASED<br>EC NO: J2005-0233<br>DRAWN: MNABE1<br>CHKD: KTOJO<br>APPR: NUKITA<br>REV: 0 | DESCRIPTION<br>2004/08/03<br>2004/08/03<br>2004/08/04 | 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>MNABE1         | DATE<br>'04/07/20 | TITLE<br>EMBOSSED TAPE PACKAGE<br>FOR 501014<br>-LEAD FREE- |                        |                           |  |           |  |
|                                                                                         |                                                       | 10 OVER 30 UNDER                                                                                                                 | ±0.25 | CHECKED BY<br>KTOJO        | DATE<br>'04/07/20 |                                                             |                        |                           |  |           |  |
|                                                                                         |                                                       | 30 OVER                                                                                                                          | ±0.3  | APPROVED BY<br>NUKITA      | DATE<br>'04/07/20 | MOLEX INCORPORATED                                          |                        |                           |  |           |  |
|                                                                                         |                                                       | ANGULAR ±3 °                                                                                                                     |       | MATERIAL NO.               |                   | DOCUMENT NO.                                                |                        |                           |  | SHEET NO. |  |
|                                                                                         |                                                       | DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS                                                                       |       | SEE CHART                  |                   | SD-501014-008                                               |                        |                           |  | 1 OF 1    |  |
|                                                                                         |                                                       | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX<br>INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |       |                            |                   |                                                             |                        |                           |  |           |  |