

**PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION**

**Part Number:** **0705550039**

**Status:** **Active**

**Overview:** [cgrid\\_sl\\_products](#)

**Description:** 2.54mm (.100") Pitch SL™ Header, Single Row, Right Angle, .120" Pocket, Shrouded, with Press-fit Plastic Peg, 5 Circuits, 0.38µm (15µ") Gold (Au) Selective Plating, Tin (Sn) PC Tail Plating

**Documents:**

|   |  |
|---|--|
| <a href="#">3D Model</a>                      | <a href="#">Product Specification PS-70400 (PDF)</a> |
| <a href="#">Drawing (PDF)</a>                 | <a href="#">Product Specification PS-70541 (PDF)</a> |
| <a href="#">Packaging Specification (PDF)</a> | <a href="#">RoHS Certificate of Compliance (PDF)</a> |

**Agency Certification**

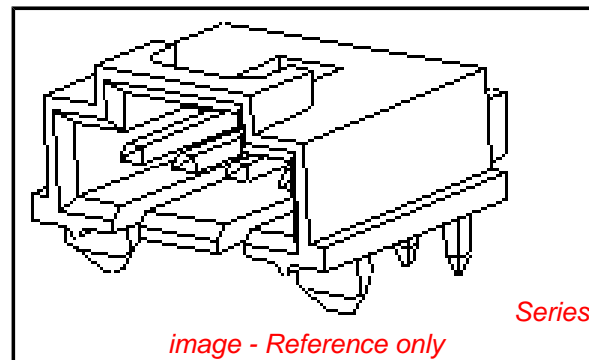
|     |         |
|-----|---------|
| CSA | LR19980 |
| UL  | E29179  |

**General**

|                |                                   |
|----------------|-----------------------------------|
| Product Family | PCB Headers                       |
| Series         | <a href="#">70555</a>             |
| Application    | Wire-to-Board                     |
| Overview       | <a href="#">cgrid_sl_products</a> |
| Product Name   | SL™                               |

**Physical**

|                                |                                |
|--------------------------------|--------------------------------|
| Breakaway                      | No                             |
| Circuits (Loaded)              | 5                              |
| Circuits (maximum)             | 5                              |
| Color - Resin                  | Black                          |
| Durability (mating cycles max) | 50                             |
| Flammability                   | 94V-0                          |
| Glow-Wire Compliant            | No                             |
| Guide to Mating Part           | Yes                            |
| Lock to Mating Part            | Yes                            |
| Material - Metal               | Brass, Phosphor Bronze         |
| Material - Plating Mating      | Gold                           |
| Material - Plating Termination | Tin                            |
| Material - Resin               | High Temperature Thermoplastic |
| Number of Rows                 | 1                              |
| Orientation                    | Right Angle                    |
| PC Tail Length (in)            | 0.130 In                       |
| PC Tail Length (mm)            | 3.30 mm                        |
| PCB Locator                    | Yes                            |
| PCB Retention                  | Yes                            |
| PCB Thickness Recommended (in) | 0.062 In                       |
| PCB Thickness Recommended (mm) | 1.60 mm                        |
| Packaging Type                 | Tube                           |
| Pitch - Mating Interface (in)  | 0.100 In                       |
| Pitch - Mating Interface (mm)  | 2.54 mm                        |
| Plating min: Mating (µin)      | 15                             |
| Plating min: Mating (µm)       | 0.375                          |
| Plating min: Termination (µin) | 75                             |
| Plating min: Termination (µm)  | 1.875                          |
| Polarized to Mating Part       | Yes                            |
| Shrouded                       | Fully                          |
| Stackable                      | No                             |
| Temperature Range - Operating  | -40°C to +105°C                |



*image - Reference only*

**EU RoHS**

**ELV and RoHS Compliant**

**REACH SVHC**

Not Reviewed

**Halogen-Free**

**Status**

**Not Halogen-Free**

**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**

[70555Series](#)

**Mates With**

[70066n](#) , [70066g](#) , [70430g](#) , [70400g Housing](#)

Termination Interface: Style Through Hole

**Electrical**

Current - Maximum per Contact 3A  
Voltage - Maximum 250V

**Solder Process Data**

Duration at Max. Process Temperature (seconds) 1  
Lead-free Process Capability Wave Capable (TH only)  
Max. Cycles at Max. Process Temperature 3  
Process Temperature max. C 260

**Material Info**

Old Part Number A-70555-0039

**Reference - Drawing Numbers**

Packaging Specification PK-70873-0015  
Product Specification PS-70400, PS-70541  
Sales Drawing SDA-70555-\*\*\*\*

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| CIRCUIT SIZE | ENGINEERING NUMBER<br>A-70555 | MANUFACTURE<br>RELEASE<br>STATUS | D<br>REF. | E<br>± .010 | PLATE<br>PER<br>ES-<br>88 | CONNECTOR END PLATING |            | P.C. BOARD END PLATING |            | VOIDED<br>CIRCUIT<br>NUMBER |
|--------------|-------------------------------|----------------------------------|-----------|-------------|---------------------------|-----------------------|------------|------------------------|------------|-----------------------------|
|              |                               |                                  |           |             |                           | TYPE                  | H<br>MEAS. | TYPE                   | K<br>MEAS. |                             |
| 2-10         | -0001-0009                    | R.F.M.                           | (3.30)    | (6.10)      | TIN                       | (2.54)                | .100       | TIN                    | (1.27)     | .050                        |
| 11-25        | -0010-0024                    | R.F.M.                           | .130      | .240        |                           |                       |            |                        |            |                             |
| 2-10         | -0036-0044                    | R.F.M.                           | (3.30)    | (6.10)      | 15 GOLD                   | (2.54)                | .100       | TIN                    | (1.27)     | .050                        |
| 11-25        | -0045-0059                    | R.F.M.                           | .130      | .240        |                           |                       |            |                        |            |                             |
| 2-10         | -0071-0079                    | R.F.M.                           | (3.30)    | (6.10)      | 30 GOLD                   | (2.54)                | .100       | TIN                    | (1.27)     | .050                        |
| 11-25        | -0080-0094                    | R.F.M.                           | .130      | .240        |                           |                       |            |                        |            |                             |
| 2-10         | -0106-0114                    | R.F.M.                           | (2.67)    | (6.10)      | 15 GOLD                   | (2.54)                | .100       | TIN                    | (1.27)     | .050                        |
| 11-25        | -0115-0129                    | R.F.M.                           | .105      | .240        |                           |                       |            |                        |            |                             |
| 2-10         | -5001-5009                    | R.F.M.                           | (3.30)    | (6.10)      | TIN                       | (2.54)                | .100       | TIN                    | (1.27)     | .050                        |
| 11-25        | -5010-5024                    | R.F.M.                           | .130      | .240        |                           |                       |            |                        |            |                             |

| CIRCUIT SIZE | ASSEMBLY ITEM NUMBER | ASSEMBLY ITEM NUMBER | ASSEMBLY ITEM NUMBER | ASSEMBLY ITEM NUMBER | ASSEMBLY ITEM NUMBER | ASSEMBLY ITEM NUMBER |
|--------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| 2            | 70555-0001           | 70555-0036           | 70555-0071           |                      |                      | 70555-5001           |
| 3            | 70555-0002           | 70555-0037           | 70555-0072           |                      |                      | 70555-5002           |
| 4            | 70555-0003           | 70555-0038           | 70555-0073           | 70555-0108           |                      | 70555-5003           |
| 5            | 70555-0004           | 70555-0039           | 70555-0074           | 70555-0109           |                      | 70555-5004           |
| 6            | 70555-0005           | 70555-0040           | 70555-0075           |                      |                      | 70555-5005           |
| 7            | 70555-0006           | 70555-0041           | 70555-0076           |                      |                      | 70555-5006           |
| 8            | 70555-0007           | 70555-0042           | 70555-0077           |                      |                      | 70555-5007           |
| 9            | 70555-0008           | 70555-0043           | 70555-0078           |                      |                      | 70555-5008           |
| 10           | 70555-0009           | 70555-0044           | 70555-0079           |                      |                      | 70555-5009           |
| 11           | 70555-0010           | 70555-0045           | 70555-0080           |                      |                      | 70555-5010           |
| 12           | 70555-0011           | 70555-0046           | 70555-0081           |                      |                      | 70555-5011           |
| 13           | 70555-0012           | 70555-0047           | 70555-0082           |                      |                      | 70555-5012           |
| 14           | 70555-0013           | 70555-0048           | 70555-0083           |                      |                      | 70555-5013           |
| 15           | 70555-0014           | 70555-0049           | 70555-0084           |                      |                      | 70555-5014           |
| 16           | 70555-0015           | 70555-0050           | 70555-0085           |                      |                      | 70555-5015           |
| 17           | 70555-0016           | 70555-0051           | 70555-0086           |                      |                      | 70555-5016           |
| 18           | 70555-0017           | 70555-0052           | 70555-0087           |                      |                      | 70555-5017           |
| 19           | 70555-0018           | 70555-0053           | 70555-0088           |                      |                      | 70555-5018           |
| 20           | 70555-0019           | 70555-0054           | 70555-0089           |                      |                      | 70555-5019           |
| 21           | 70555-0020           | 70555-0055           | 70555-0090           |                      |                      | 70555-5020           |
| 22           | 70555-0021           | 70555-0056           | 70555-0091           |                      |                      | 70555-5021           |
| 23           | 70555-0022           | 70555-0057           | 70555-0092           |                      |                      | 70555-5022           |
| 24           | 70555-0023           | 70555-0058           | 70555-0093           |                      |                      | 70555-5023           |
| 25           | 70555-0024           | 70555-0059           | 70555-0094           |                      |                      | 70555-5024           |

\*X\* IN COLUMN UNDER "ASSEMBLY ITEM NUMBER " HEADING DENOTES TOOLING NOT AVAILABLE

|  |                                      |  |  |                                   |  |  |                      |                        |
|--|--------------------------------------|--|--|-----------------------------------|--|--|----------------------|------------------------|
| SEE SHEET 1<br>EC NO: UCP2010-1081<br>DRINKS BARRA 200910127<br>CHKD: JORGAN 200911109<br>APPR: MILLER 200911109 | QUALITY SYMBOLS<br>▽=0<br>▽=0<br>▽=0 | GENERAL TOLERANCES (UNLESS SPECIFIED)                      |  | DIMENSION STYLE<br>MM/IN          |  | SCALE<br>4:1   | DESIGN UNITS<br>INCH | THIRD ANGLE PROJECTION |
|  |                                      |  |  | DRAWN BY DATE<br>AAB 1993/05/13   |  | TITLE<br>SL RIGHT ANGLE HEADER<br>W/LATCH & TRI-PEGS<br>(2.54)/.100 CENTERS  |                      |                        |
|  |                                      |  |  | CHECKED BY DATE<br>AAB 1993/05/13 |  | APPROVED BY DATE<br>WAZ 1993/05/13   |                      |                        |
|  |                                      |  |  | MATERIAL NO.<br>SEE TABLE         |  | DOCUMENT NO.<br>SDA-70555-****   |                      |                        |
|  |                                      | DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS |  | SIZE<br>C                         |  | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX<br>INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |                      | SHEET NO.<br>2 OF 2    |