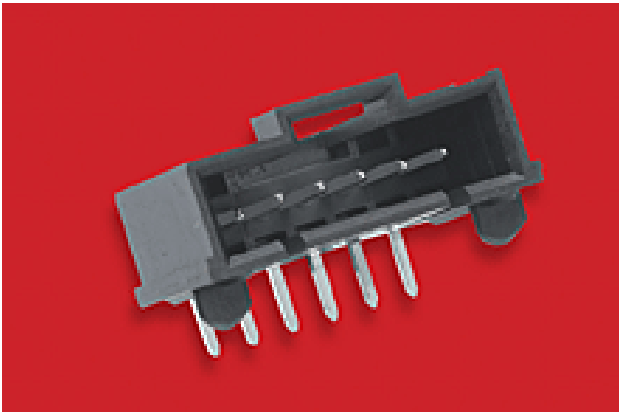




**Part Number :** [705550047](#)  
**Product Description :** 2.54mm Pitch SL Header, Single Row, Right Angle, 3.05mm Pocket, Shrouded, with Press-fit Plastic Peg, 13 Circuits, 0.38µm Gold (Au) Selective Plating, Tin (Sn) PC Tail Plating  
**Series Number :** 70555  
**Status :** Active  
**Product Category :** PCB Headers and Receptacles  
**Engineering Number :** A-70555-0047



Documents & Resources

**Drawings**  
[Drawing 705550047\\_sd.pdf](#)  
[Packaging Design Drawing PK-70873-0015-001.pdf](#)

**3D Models and Design Files**  
[3D Model 705550047\\_stp.zip](#)

**Specifications**  
[Product Specification PS-70400-001.pdf](#)  
[Product Specification PS-70541-001.pdf](#)  
[Test Summary TS-70541-100-001.pdf](#)

Product Environment Compliance

Compliance

|                    |  |
|--------------------|--|
| GADSL/IMDS         | Not Relevant                                   |
| China RoHS         |  |
| EU ELV             | Not Relevant                                   |
| Low-Halogen Status | Not Low-Halogen per IEC 61249-2-21             |
| REACH SVHC         | Not Contained per D(2023)3788-DC (14 Jun 2023) |
| EU RoHS            | Compliant per EU 2015/863                      |

[Multiple Part Product Compliance Statements](#)  
- Eu RoHS

- REACH SVHC

- Low-Halogen

#### Multiple Part Industry Compliance Documents

- IPC 1752A Class C

- IPC 1752A Class D

- Molex Product Compliance Declaration

- IEC-62474

- chemSHERPA (xml)

#### EU RoHS Certificate of Compliance

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## Part Details

### General

|                |   |
|----------------|---|
| Status         | Active  |
| Category       | PCB Headers and Receptacles   |
| Series         | 70555   |
| Description    | 2.54mm Pitch SL Header, Single Row, Right Angle, 3.05mm Pocket, Shrouded, with Press-fit Plastic Peg, 13 Circuits, 0.38µm Gold (Au) Selective Plating, Tin (Sn) PC Tail Plating |
| Application    | Signal, Wire-to-Board   |
| Component Type | PCB Header  |
| Product Family | SL Modular Connectors   |
| Product Name   | SL  |
| UPC            | 800753597242  |

### Agency

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

### Electrical

|                               |      |
|-------------------------------|------|
| Current - Maximum per Contact | 3.0A |
| Voltage - Maximum             | 250V |

### Physical

|           |    |
|-----------|----|
| Breakaway | No |
|-----------|----|

|                                |                                |
|--------------------------------|--------------------------------|
| Circuits (Loaded)              | 13                             |
| Circuits (maximum)             | 13                             |
| Color - Resin                  | Black                          |
| Durability (mating cycles max) | 50                             |
| Flammability                   | 94V-0                          |
| Glow-Wire Capable              | 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 |
| Net Weight                     | 2.986/g                        |
| Number of Rows                 | 1                              |
| Orientation                    | Right Angle                    |
| Packaging Type                 | Tube                           |
| PC Tail Length                 | 3.30mm                         |
| PCB Locator                    | Yes                            |
| PCB Retention                  | Yes                            |
| PCB Thickness - Recommended    | 1.60mm                         |
| Pitch - Mating Interface       | 2.54mm                         |
| Plating min - Mating           | 0.381µm                        |
| Plating min - Termination      | 1.905µm                        |
| Polarized to Mating Part       | Yes                            |
| Shrouded                       | Fully                          |
| Stackable                      | No                             |
| Temperature Range - Operating  | -40° to +105°C                 |
| Termination Interface Style    | Through Hole                   |

## Solder Process Data

|                              |      |
|------------------------------|------|
| Lead-Free Process Capability | WAVE |
|------------------------------|------|

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## Mates With / Use With

Mates with Part(s)

| Description   | Part Number  |
|---|--------------|
| SL Single Row Crimp Housings and<br>CPA Retainers                       | <u>70066</u> |
| SL Single Row Female Insulation<br>Displacement Connector<br>Assemblies | <u>70400</u> |
| SL Single Row Female Receptacles  | <u>70430</u> |

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This document was generated on Jan 24, 2024