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**Part Number:** [0705450052](#)  
**Status:** **Active**  
**Overview:** SL Modular Connectors  
**Description:** 2.54mm Pitch SL Header, Single Row 3.05mm Pocket Vertical, Shrouded, with Press-fit Plastic Peg, 18 Circuits, 0.38µm Gold (Au) Selective Plating, Tin (Sn) PC Tail Plating

**Documents:**

|  |   |
|--|---|
| <a href="#">3D Model</a>                                 | <a href="#">Product Specification PS-70541-001 (PDF)</a>        |
| <a href="#">Drawing (PDF)</a>                            | <a href="#">Packaging Specification PK-70873-0014-001 (PDF)</a> |
| <a href="#">3D Model (PDF)</a>                           | <a href="#">Test Summary TS-70541-100-001 (PDF)</a>             |
| <a href="#">Product Specification PS-70400-001 (PDF)</a> | <a href="#">RoHS Certificate of Compliance (PDF)</a>            |

**Agency Certification**

CSA LR19980

**General**

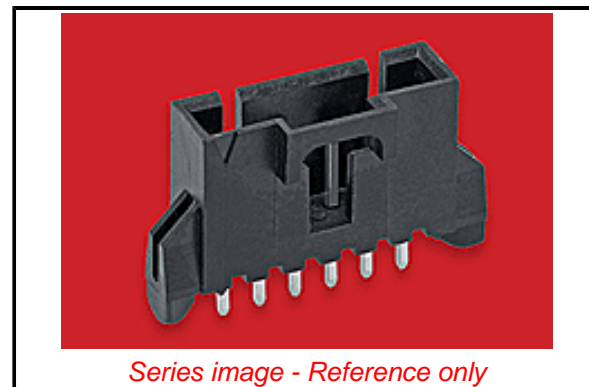
|                |                                       |
|----------------|---------------------------------------|
| Product Family | PCB Headers                           |
| Series         | <a href="#">70545</a>                 |
| Application    | Signal, Wire-to-Board                 |
| Overview       | <a href="#">SL Modular Connectors</a> |
| Product Name   | SL                                    |
| UPC            | 800753624047                          |

**Physical**

|                                |                                |
|--------------------------------|--------------------------------|
| Breakaway                      | No                             |
| Circuits (Loaded)              | 18                             |
| Circuits (maximum)             | 18                             |
| Color - Resin                  | Black                          |
| Durability (mating cycles max) | 50                             |
| Flammability                   | 94V-0                          |
| Glow-Wire Capable              | No                             |
| 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                     | 3.489/g                        |
| Number of Rows                 | 1                              |
| Orientation                    | Vertical                       |
| PC Tail Length                 | 3.30mm                         |
| PCB Locator                    | Yes                            |
| PCB Retention                  | Yes                            |
| PCB Thickness - Recommended    | 1.60mm                         |
| Packaging Type                 | Tube                           |
| Pitch - Mating Interface       | 2.54mm                         |
| Plating min - Mating           | 0.381µm                        |
| Plating min - Termination      | 1.905µm                        |
| Polarized to Mating Part       | Yes                            |
| Shrouded                       | Fully                          |
| Stackable                      | No                             |
| Surface Mount Compatible (SMC) | Yes                            |
| Temperature Range - Operating  | -40° to +105°C                 |
| Termination Interface: Style   | Through Hole                   |

**Electrical**

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



Series image - Reference only

**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Not Contained Per -  
ECHA\_01\_2020 (16  
January 2020

**Halogen-Free**

**Status**

**Not Low-Halogen**

For more information, please visit [Contact US](#)

China ROHS

ELV

RoHS Phthalates

**China RoHS**

Green Image

Not Relevant

Not Contained

**Search Parts in this Series**

[70545](#) Series

**Mates With**

SL Crimp Housing [70066](#) Option N, [70066](#) Option G, [70066](#) Option A, [70430](#) Option G, [70400](#) Option G

**Solder Process Data**

|  |      |
|--|------|
| Duration at Max. Process Temperature (seconds) | 003  |
| Lead-free Process Capability                   | WAVE |
| Max. Cycles at Max. Process Temperature        | 003  |
| Process Temperature max. C                     | 260  |

**Material Info**

|                    |              |
|--------------------|--------------|
| Engineering Number | A-70545-0052 |
|--------------------|--------------|

**Reference - Drawing Numbers**

|                         |                            |
|-------------------------|----------------------------|
| Packaging Specification | PK-70873-0014-001          |
| Product Specification   | PS-70400-001, PS-70541-001 |
| Sales Drawing           | SDA-70545-XXXX             |
| Test Summary            | TS-70541-100-001           |

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