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**Part Number:** [0740992012](#)  
**Status:** **Active**  
**Overview:** [SL Modular Connectors](#)  
**Description:** SL Wire-to-Board Header, Surface Mount, Single Row, Vertical, 3.05mm Pocket, Shrouded, 12 Circuits, 0.76µm Gold (Au) Selective Plating

**Documents:**

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

**Agency Certification**

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

**General**

|                |                                       |
|----------------|---------------------------------------|
| Product Family | PCB Headers                           |
| Series         | <a href="#">74099</a>                 |
| Application    | Signal, Wire-to-Board                 |
| Overview       | <a href="#">SL Modular Connectors</a> |
| Product Name   | SL                                    |
| UPC            | 822350647052                          |

**Physical**

|                                |                                |
|--------------------------------|--------------------------------|
| Breakaway                      | No                             |
| Circuits (Loaded)              | 12                             |
| Circuits (maximum)             | 12                             |
| Color - Resin                  | Black                          |
| Durability (mating cycles max) | 50                             |
| Flammability                   | 94V-0                          |
| Glow-Wire Capable              | No                             |
| Material - Metal               | Brass, Phosphor Bronze         |
| Material - Plating Mating      | Gold                           |
| Material - Plating Termination | Tin                            |
| Material - Resin               | High Temperature Thermoplastic |
| Net Weight                     | 2.326/g                        |
| Number of Rows                 | 1                              |
| Orientation                    | Vertical                       |
| PCB Thickness - Recommended    | 1.60mm                         |
| Packaging Type                 | Tube                           |
| Pitch - Mating Interface       | 2.54mm                         |
| Plating min - Mating           | 0.762µm                        |
| Plating min - Termination      | 1.905µm                        |
| Polarized to Mating Part       | Yes                            |
| Shrouded                       | Fully                          |
| Surface Mount Compatible (SMC) | Yes                            |
| Temperature Range - Operating  | -40° to +105°C                 |
| Termination Interface: Style   | Surface Mount                  |

**Electrical**

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

**Solder Process Data**

|                                                |        |
|------------------------------------------------|--------|
| Duration at Max. Process Temperature (seconds) | 040    |
| Lead-freeProcess Capability                    | REFLOW |
| Max. Cycles at Max. Process Temperature        | 003    |



Series image - Reference only

**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Not Contained Per -  
ED/61/2018 (27 June  
2018)

**Halogen-Free**

**Status**

**Not Low-Halogen**

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

|                 |               |
|-----------------|---------------|
| China ROHS      | Green Image   |
| ELV             | Not Relevant  |
| RoHS Phthalates | Not Contained |

**Search Parts in this Series**

[74099](#) Series

**Mates With**

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

Process Temperature max. C

245

**Material Info**

**Reference - Drawing Numbers**

Product Specification

PS-70400-001, PS-70541-001, TS-70541-001-001,  
TS-70541-100-001

Sales Drawing

SD-74099-001

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