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Part Number:

0705450038

Status:

Active

Overview:

SL Modular Connectors

Description:

2.54mm Pitch SL Header, Single Row 3.05mm Pocket Vertical, Shrouded, with Press-fit Plastic Peg, 4 Circuits, 0.38µm Gold (Au) Selective Plating, Tin (Sn) PC Tail Plating

Documents:

|                                                          |                                                                 |
|----------------------------------------------------------|-----------------------------------------------------------------|
| <a href="#">Drawing (PDF)</a>                            | <a href="#">Product Specification PS-70541-001 (PDF)</a>        |
| <a href="#">3D Model</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 |
| UL  | E29179  |

General

|                |                             |
|----------------|-----------------------------|
| Product Family | PCB Headers                 |
| Series         | 70545                       |
| Application    | Signal, Wire-to-Board       |
| Overview       | SL Modular Connectors       |
| Product Name   | SL                          |
| Taxonomy       | PCB Headers and Receptacles |
| UPC            | 800753597662                |

Physical

|                                |                                |
|--------------------------------|--------------------------------|
| Breakaway                      | No                             |
| Circuits (Loaded)              | 4                              |
| Circuits (maximum)             | 4                              |
| 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                     | 0.879/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



Series image - Reference only

EU ELV

Not Relevant

EU RoHS

Compliant

China RoHS

REACH SVHC

Not Contained Per -  
D(2022)4187-DC (10  
June 2022)

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

70545 Series

Mates With

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

|                                                |                                                               |
|------------------------------------------------|---------------------------------------------------------------|
| Current - Maximum per Contact                  | 3.0A                                                          |
| Voltage - Maximum                              | 250V                                                          |
| <b>Solder Process Data</b>                     |                                                               |
| Duration at Max. Process Temperature (seconds) | 003                                                           |
| Lead-freeProcess Capability                    | WAVE                                                          |
| Max. Cycles at Max. Process Temperature        | 003                                                           |
| Process Temperature max. C                     | 260                                                           |
| <b>Material Info</b>                           |                                                               |
| Engineering Number                             | A-70545-0038                                                  |
| <b>Reference - Drawing Numbers</b>             |                                                               |
| Packaging Specification                        | PK-70873-0014-001                                             |
| Product Specification                          | PS-70400-001, PS-70541-001                                    |
| Sales Drawing                                  | SDA-70545-XXXX-001, SDA-70545-XXXX-002,<br>SDA-70545-XXXX-003 |
| Test Summary                                   | TS-70541-100-001                                              |

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