



**Part Number :** [705450020](#)  
**Product Description :** 2.54mm Pitch SL Header,  
Single Row, 3.05mm Pocket, Vertical, Shrouded, with  
Press-Fit Plastic Peg, 21 Circuits, Tin (Sn) Plating  
**Series Number :** 70545  
**Status :** Active  
**Product Category :** PCB Headers and Receptacles



## Documents and Resources

### Drawings

[705450020 sd.pdf](#)  
[PK-70873-0014-001.pdf](#)

### 3D Models and Design Files

[STEP AP242](#)  
[SOLIDWORKS](#)  
[Creo](#)  
[Symbol and Footprint \(Multi-Format\)](#)

### Specifications

[PS-70400-001.pdf](#)  
[PS-70541-001.pdf](#)  
[TS-70541-100-001.pdf](#)

## Product Environment Compliance

### Compliance

|                    |                                                                                                         |
|--------------------|---------------------------------------------------------------------------------------------------------|
| GADSL/IMDS         | Not Relevant                                                                                            |
| China RoHS         |  per SJ/T 11365-2006 |
| EU ELV             | Not Relevant                                                                                            |
| Low-Halogen Status | Not Low-Halogen per IEC 61249-2-21                                                                      |
| REACH SVHC         | Not Contained per D(2025)7771-DC (04 Feb 2026)                                                          |
| EU RoHS            | Compliant per EU 2015/863                                                                               |

### Compliance Statements

- EU RoHS
- REACH SVHC
- Low-Halogen

### Industry Documents

- IPC 1752A Class C
- IPC 1752A Class D
- Molex Product Compliance Declaration
- IEC-62474
- chemSHERPA (xml)

### Substances of Interest

- PFAS

### EU RoHS Certificate of Compliance

### Additional Product Compliance Information

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## Part Details

### General

|                |                                                                                                                                  |
|----------------|----------------------------------------------------------------------------------------------------------------------------------|
| Status         | Active                                                                                                                           |
| Category       | PCB Headers and Receptacles                                                                                                      |
| Series         | 70545                                                                                                                            |
| Description    | 2.54mm Pitch SL Header, Single Row, 3.05mm Pocket, Vertical, Shrouded, with Press-Fit Plastic Peg, 21 Circuits, Tin (Sn) Plating |
| Application    | Signal, Wire-to-Board                                                                                                            |
| Component Type | PCB Header                                                                                                                       |
| Product Name   | SL                                                                                                                               |
| UPC            | 800753761452                                                                                                                     |

### Agency

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

### Electrical

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

## Physical

|                                |                 |
|--------------------------------|-----------------|
| Breakaway                      | No              |
| Circuits (Loaded)              | 21              |
| Circuits (maximum)             | 21              |
| Color - Resin                  | Black           |
| Durability (mating cycles max) | 25              |
| First Mate / Last Break        | No              |
| Flammability                   | 94V-0           |
| Glow-Wire Capable              | No              |
| Guide to Mating Part           | No              |
| Keying to Mating Part          | None            |
| Lock to Mating Part            | Yes             |
| Material - Metal               | Phosphor Bronze |
| Material - Plating Mating      | Tin             |
| Material - Plating Termination | Tin             |
| Material - Resin               | Polyester       |
| Net Weight                     | 4.056/g         |
| Number of Rows                 | 1               |
| Orientation                    | Vertical        |
| Packaging Type                 | Tube            |
| PCB Locator                    | Yes             |
| PCB Retention                  | Yes             |
| PCB Thickness - Recommended    | 1.57mm          |
| PC Tail Length                 | 3.30mm          |
| Pitch - Mating Interface       | 2.54mm          |
| Pitch - Termination Interface  | 2.54mm          |
| Plating min - Mating           | 3.810µm         |
| Plating min - Termination      | 3.810µm         |
| 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 CPA Retainers                    | <u>70066</u> |
| SL Single Row Female Insulation Displacement Connector Assemblies | <u>70400</u> |
| SL Single Row Female Receptacles                                  | <u>70430</u> |