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**Part Number :** [705430041](#)  
**Product Description :** 2.54mm Pitch SL Header,  
Single Row, Vertical, 3.05mm Pocket, Shrouded, 7  
Circuits, Tin (Sn) Plating  
**Series Number :** 70543  
**Status :** Active  
**Product Category :** PCB Headers and Receptacles



## Documents & Resources

### Drawings

- [705430041\\_sd.pdf](#)
- [PK-70873-0014-001.pdf](#)
- [3D Models and Design Files](#)
- [705430041\\_stp.zip](#)

### Specifications

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

## Product Environment Compliance

### Compliance

|                    |                                                                                                           |
|--------------------|-----------------------------------------------------------------------------------------------------------|
| GADSL/IMDS         | Compliant with Exemption 44; 33                                                                           |
| 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(2024)7663-DC (21 Jan 2025)                                                            |
| 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         | 70543                                                                                               |
| Description    | 2.54mm Pitch SL Header, Single Row, Vertical, 3.05mm Pocket, Shrouded, 7 Circuits, Tin (Sn) Plating |
| Application    | Signal, Wire-to-Board                                                                               |
| Component Type | PCB Header                                                                                          |
| Product Name   | SL                                                                                                  |
| UPC            | 800755033663                                                                                        |

### Agency

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

### Electrical

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

### Physical

|                   |    |
|-------------------|----|
| Breakaway         | No |
| Circuits (Loaded) | 7  |

|                                |                                |
|--------------------------------|--------------------------------|
| Circuits (maximum)             | 7                              |
| 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               | Brass, Phosphor Bronze         |
| Material - Plating Mating      | Tin                            |
| Material - Plating Termination | Tin                            |
| Material - Resin               | High Temperature Thermoplastic |
| Net Weight                     | 1.273/g                        |
| Number of Rows                 | 1                              |
| Orientation                    | Vertical                       |
| Packaging Type                 | Tube                           |
| PCB Locator                    | No                             |
| PCB Retention                  | None                           |
| PCB Thickness - Recommended    | 1.60mm                         |
| 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<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> |