molex



**Part Number :** 705430019
**Product Description :** 2.54mm Pitch SL Header, Single Row, Vertical, 3.05mm Pocket, Shrouded, 3.30mm Tail Length, 20 Circuits, 0.38µm Gold (Au) Selective Plating, Matte Tin (Sn) Tail Plating
**Series Number :** 70543
**Status :** Active
**Product Category :** PCB Headers and Receptacles

## Documents and Resources

### Drawings

705430019_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 | Compliant with Exemption 44; 34; 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(2025)7771- |

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| | |
|---|---|
| | 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 | 70543 |
| Description | 2.54mm Pitch SL Header, Single Row, Vertical, 3.05mm Pocket, Shrouded, 3.30mm Tail Length, 20 Circuits, 0.38µm Gold (Au) Selective Plating, Matte Tin (Sn) Tail Plating |
| Application | Signal, Wire-to-Board |
| Component Type | PCB Header |
| Product Name | SL |
| UPC | 800755033458 |

### Agency

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

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## Electrical

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

## Physical

| | |
|---|---|
| Breakaway | No |
| Circuits (Loaded) | 20 |
| Circuits (maximum) | 20 |
| Color - Resin | Black |
| Durability (mating cycles max) | 50 |
| First Mate / Last Break | No |
| Flammability | 94V-0 |
| Glow-Wire Capable | No |
| Guide to Mating Part | No |
| Keying to Mating Part | No |
| Lock to Mating Part | Yes |
| Material - Metal | Phosphor Bronze |
| Material - Plating Mating | Gold |
| Material - Plating Termination | Matte Tin |
| Material - Resin | Polyester |
| Net Weight | 3.758/g |
| Number of Rows | 1 |
| Orientation | Vertical |
| Packaging Type | Tube |
| PCB Locator | No |
| PCB Retention | No |
| PCB Thickness - Recommended | 1.57mm |
| PC Tail Length | 3.30mm |
| Pitch - Mating Interface | 2.54mm |
| Pitch - Termination Interface | 2.54mm |
| Plating min - Mating | 0.381µm |
| Plating min - Termination | 1.905µm |
| Polarized to Mating Part | Yes |
| Shrouded | Shrouded |
| Stackable | No |

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| | |
|---|---|
| Temperature Range - Operating | -40° to +105°C |
| Termination Interface Style | Through Hole |

### Solder Process Data

| | |
|---|---|
| Lead-Free Process Capability | WAVE |

## Mates With / Use With

### Mates with Part(s)

| Description | Part Number |
|---|---|
| SL Single Row Crimp Housings and CPA Retainers | 70066 |
| SL Single Row Female Insulation Displacement Connector Assemblies | 70400 |
| SL Single Row Female Receptacles | 70430 |



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