This document was generated on 01/07/2023

# PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

**Part Number:** 0705530008
**Status:** Active
**Overview:** SL Modular Connectors
**Description:** 2.54mm Pitch SL Header, Low Profile, Single Row, Right Angle, 3.05mm Pocket, Shrouded, 9 Circuits, 0.38µm Gold (Au) Selective Plating, Tin (Sn) PC Tail Plating



*Series image - Reference only*

**Documents:**

- 3D Model
- Drawing (PDF)
- Product Specification PS-70400-001 (PDF)
- Product Specification PS-70541-001 (PDF)
- Packaging Specification PK-70873-0015-001 (PDF)
- Test Summary TS-70541-100-001 (PDF)
- RoHS Certificate of Compliance (PDF)

**Agency Certification**

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

**General**

| | |
|---|---|
| Product Family | PCB Headers |
| Series | 70553 |
| Application | Signal, Wire-to-Board |
| Component Type | PCB Header |
| Overview | SL Modular Connectors |
| Product Name | SL |
| Taxonomy | PCB Headers and Receptacles |
| UPC | 800754354455 |

**Physical**

| | |
|---|---|
| Breakaway | No |
| Circuits (Loaded) | 9 |
| Circuits (maximum) | 9 |
| Color - Resin | Black |
| Durability (mating cycles max) | 50 |
| Flammability | 94V-0 |
| Glow-Wire Capable | No |
| Guide to Mating Part | Yes |
| 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 | 1.892/g |
| Number of Rows | 1 |
| Orientation | Right Angle |
| PC Tail Length | 3.30mm |
| PCB Locator | No |
| PCB Retention | None |
| 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 |
| Temperature Range - Operating | -40° to +105°C |
| Termination Interface: Style | Through Hole |

**EU ELV**
**Not Relevant**

**EU RoHS** | **China RoHS**
**Compliant**

**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**
70553 Series

**Mates With**
SL Crimp Housing 70066 Option N, 70066 Option G, 70430 Option G, 70400 Option G

| | |
|---|---|
| **Electrical** | |
| Current - Maximum per Contact | 3.0A |
| Voltage - Maximum | 250V |
| **Solder Process Data** | |
| Lead-freeProcess Capability | WAVE |
| **Material Info** | |
| **Reference - Drawing Numbers** | |
| Packaging Specification | PK-70873-0015-001 |
| Product Specification | PS-70400-001, PS-70541-001 |
| Sales Drawing | SDA-70553-XXXX-001 |
| Test Summary | TS-70541-100-001 |

This document was generated on 01/07/2023
**PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION**