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**Part Number:** **0705530005**  
**Status:** **Active**  
**Overview:** SL™ Modular Connectors  
**Description:** 2.54mm Pitch SL™ Header, Low Profile, Single Row, Right Angle, 3.05mm Pocket, Shrouded, 6 Circuits, 0.38µm Gold (Au) Selective Plating, Tin (Sn) PC Tail Plating

**Documents:**

|  |  |
|--|--|
| <a href="#">3D Model</a>                                 | <a href="#">Product Specification TS-70541-100-001 (PDF)</a> |
| <a href="#">Drawing (PDF)</a>                            | <a href="#">Packaging Specification PK-70873-0015 (PDF)</a>  |
| <a href="#">Product Specification PS-70400-001 (PDF)</a> | <a href="#">RoHS Certificate of Compliance (PDF)</a>         |
| <a href="#">Product Specification PS-70541-001 (PDF)</a> |  |



Series image - Reference only

**Agency Certification**

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

**General**

|                |                        |
|----------------|------------------------|
| Product Family | PCB Headers            |
| Series         | 70553                  |
| Application    | Signal, Wire-to-Board  |
| Overview       | SL™ Modular Connectors |
| Product Name   | SL™                    |
| UPC            | 800753597402           |

**Physical**

|                                |                                |
|--------------------------------|--------------------------------|
| Breakaway                      | No                             |
| Circuits (Loaded)              | 6                              |
| Circuits (maximum)             | 6                              |
| Color - Resin                  | Black                          |
| Durability (mating cycles max) | 50                             |
| Flammability                   | 94V-0                          |
| Glow-Wire Compliant            | 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                     | 1.307/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°C to +105°C                |
| Termination Interface: Style   | Through Hole                   |

**Electrical**

|                               |      |
|-------------------------------|------|
| Current - Maximum per Contact | 3.0A |
|-------------------------------|------|

**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Not Contained Per  
-ED/01/2017 (12  
January 2017)

**Halogen-Free**

**Status**

**Not Low-Halogen**

**Need more information on product environmental compliance?**

Email [productcompliance@molex.com](mailto:productcompliance@molex.com)  
Please visit the [Contact Us](#) section for any non-product compliance questions.

|                 |               |
|-----------------|---------------|
| 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](#)

Voltage - Maximum 250V

**Solder Process Data**

Duration at Max. Process Temperature (seconds) 003

Lead-free Process Capability WAVE

Max. Cycles at Max. Process Temperature 001

Process Temperature max. C 260

**Material Info**

Engineering Number A-70553-0005

**Reference - Drawing Numbers**

Packaging Specification PK-70873-0015

Product Specification PS-70400-001, PS-70541-001, TS-70541-100-001

Sales Drawing SDA-70553-\*\*\*\*

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