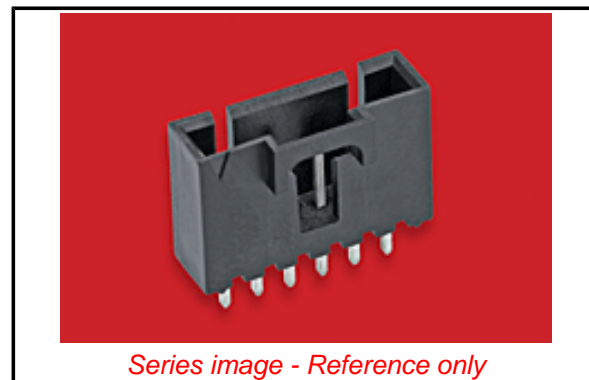


**PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION**

**Part Number:** [0705430002](#)  
**Status:** **Active**  
**Overview:** [SL™ Modular Connectors](#)  
**Description:** 2.54mm Pitch SL™ Header, Single Row, Vertical, 3.05mm Pocket, Shrouded, 3 Circuits, 0.38µm Gold (Au) Selective Plating, Tin (Sn) PC Tail Plating

**Documents:**

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



**Agency Certification**

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

**General**

|                |  |
|----------------|--|
| Product Family | PCB Headers                            |
| Series         | <a href="#">70543</a>                  |
| Application    | Signal, Wire-to-Board                  |
| Overview       | <a href="#">SL™ Modular Connectors</a> |
| Product Name   | SL™                                    |
| UPC            | 800753597891                           |

**Physical**

|                                |                                |
|--------------------------------|--------------------------------|
| Breakaway                      | No                             |
| Circuits (Loaded)              | 3                              |
| Circuits (maximum)             | 3                              |
| Color - Resin                  | Black                          |
| Durability (mating cycles max) | 50                             |
| First Mate / Last Break        | No                             |
| Flammability                   | 94V-0                          |
| Glow-Wire Compliant            | No                             |
| Guide to Mating Part           | No                             |
| Keying to Mating Part          | None                           |
| 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                     | 0.654/g                        |
| Number of Rows                 | 1                              |
| Orientation                    | Vertical                       |
| PC Tail Length                 | 3.30mm                         |
| PCB Locator                    | No                             |
| PCB Retention                  | None                           |
| PCB Thickness - Recommended    | 1.60mm                         |
| Packaging Type                 | Tube                           |
| 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                       | Fully                          |
| Stackable                      | No                             |
| Surface Mount Compatible (SMC) | No                             |
| Temperature Range - Operating  | -40°C to +105°C                |

**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Contains SVHC(2015 June 15): No

**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  
ELV

China RoHS  
Green Image  
Not Relevant

**Search Parts in this Series**

[70543 Series](#)

**Mates With**

SL™ Crimp Housing [70066](#) Option N, [70066](#) Option G, [70066](#) Option A, [70430](#) Option G, [70400](#) Option G

Termination Interface: Style Through Hole

**Electrical**

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

**Solder Process Data**

Duration at Max. Process Temperature (seconds) 003  
Lead-freeProcess Capability WAVE  
Max. Cycles at Max. Process Temperature 001  
Process Temperature max. C 260

**Material Info**

Old Part Number A-70543-0002

**Reference - Drawing Numbers**

Product Specification PS-70400, PS-70541  
Sales Drawing SDA-70543-\*\*\*\*  
Test Summary TS-70541-001, TS-70541-100

This document was generated on 08/26/2015

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