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Part Number: [0740991005](#)
Status: **Active**
Overview: [SL™ Modular Connectors](#)
Description: SL™ Wire-to-Board Header, Surface Mount, Single Row, Vertical, 3.05mm Pocket, Shrouded, 5 Circuits, 0.38µm Gold (Au) Selective Plating

Documents:

| | |
|--|--|
| 3D Model | Product Specification PS-70541 (PDF) |
| Drawing (PDF) | Test Summary TS-70541-100 (PDF) |
| Product Specification PS-70400 (PDF) | RoHS Certificate of Compliance (PDF) |

Agency Certification

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

General

| | |
|----------------|--|
| Product Family | PCB Headers |
| Series | 74099 |
| Application | Signal, Wire-to-Board |
| Overview | SL™ Modular Connectors |
| Product Name | SL™ |
| UPC | 800756630205 |

Physical

| | |
|--------------------------------|--------------------------------|
| Breakaway | No |
| Circuits (Loaded) | 5 |
| Circuits (maximum) | 5 |
| Color - Resin | Black |
| Durability (mating cycles max) | 50 |
| Flammability | 94V-0 |
| Glow-Wire Compliant | No |
| Material - Metal | Brass, Phosphor Bronze |
| Material - Plating Mating | Gold |
| Material - Plating Termination | Tin |
| Material - Resin | High Temperature Thermoplastic |
| Net Weight | 1.028/g |
| Number of Rows | 1 |
| Orientation | Vertical |
| 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 |
| Surface Mount Compatible (SMC) | Yes |
| Temperature Range - Operating | -40°C to +105°C |
| Termination Interface: Style | Surface Mount |

Electrical

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

Solder Process Data

| | |
|--|--------|
| Duration at Max. Process Temperature (seconds) | 040 |
| Lead-free Process Capability | REFLOW |
| Max. Cycles at Max. Process Temperature | 003 |
| Process Temperature max. C | 245 |



Series image - Reference only

EU ELV

Not Relevant

EU RoHS

Compliant

REACH SVHC

Not Contained Per
-ED/79/2015 (17
December 2015)

Halogen-Free

Status

Not Low-Halogen

Need more information on product environmental compliance?

Email 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

[74099](#) Series

Mates With

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

Material Info

Reference - Drawing Numbers

Product Specification

Sales Drawing

Test Summary

PS-70400, PS-70541

SD-74099-001

TS-70541-100

This document was generated on 03/29/2016

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