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Part Number:

70541-0040

Status:

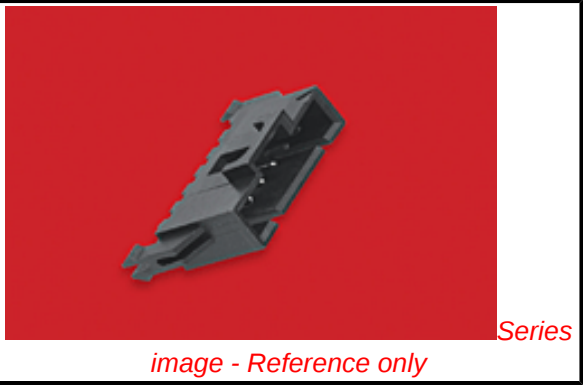
Active

Overview:

SL™ Modular Connectors

Description:

2.54mm Pitch SL™ Header, Single Row, Vertical, 3.05mm Pocket, Shrouded, with Beveled Plastic Peg, 6 Circuits, 0.38µm Gold (Au) Selective Plating, Tin (Sn) PC Tail Plating



Documents:

3D Model

Drawing (PDF)

Product Specification PS-70400 (PDF)

Product Specification PS-70541 (PDF)

RoHS Certificate of Compliance (PDF)

| Agency Certification           |  |                                |
|--------------------------------|--|--------------------------------|
| CSA                            |  | LR19980                        |
| UL                             |  | E29179                         |
| General                        |  |                                |
| Product Family                 |  | PCB Headers                    |
| Series                         |  | 70541                          |
| Application                    |  | Signal, Wire-to-Board          |
| Overview                       |  | SL™ Modular Connectors         |
| Product Name                   |  | SL™                            |
| UPC                            |  | 800755032680                   |
| Physical                       |  |                                |
| Breakaway                      |  | No                             |
| Circuits (Loaded)              |  | 6                              |
| Circuits (maximum)             |  | 6                              |
| 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                     |  | 1.204/g                        |
| Number of Rows                 |  | 1                              |
| Orientation                    |  | Vertical                       |
| PC Tail Length                 |  | 3.30mm                         |
| PCB Locator                    |  | Yes                            |
| PCB Retention                  |  | Yes                            |
| 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                             |
| Surface Mount Compatible (SMC) |  | Yes                            |
| Temperature Range - Operating  |  | -40°C to +105°C                |

EU RoHS

ELV and RoHS Compliant

REACH SVHC

Contains SVHC: No

Low-Halogen Status

Not Low-Halogen

China RoHS



Need more information on product environmental compliance?

Email [productcompliance@molex.com](mailto:productcompliance@molex.com)

For a multiple part number RoHS Certificate of Compliance, [click here](#)

Please visit the [Contact Us](#) section for any non-product compliance questions.

Search Parts in this Series

70541Series

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           |
| <b>Electrical</b>                              |                        |
| Current - Maximum per Contact                  | 3A                     |
| Voltage - Maximum                              | 250V                   |
| <b>Solder Process Data</b>                     |                        |
| Duration at Max. Process Temperature (seconds) | 3                      |
| Lead-free Process Capability                   | Wave Capable (TH only) |
| Max. Cycles at Max. Process Temperature        | 1                      |
| Process Temperature max. C                     | 260                    |
| <b>Material Info</b>                           |                        |
| <b>Reference - Drawing Numbers</b>             |                        |
| Product Specification                          | PS-70400, PS-70541     |
| Sales Drawing                                  | SDA-70541-****         |

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