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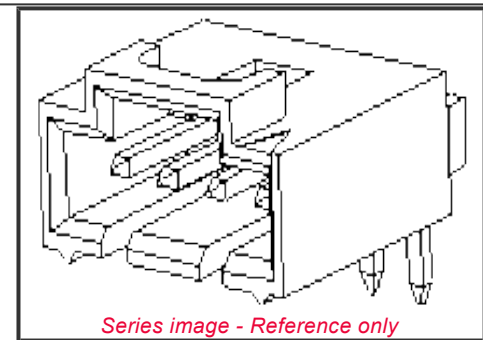Datasheet

**Part Number:**
## 0705530001

**Status:**
## Active

**Overview:**
**C-Grid® / SL™ Products**

**Description:**
2.54mm (.100") Pitch SL™ Header, Low Profile, Single Row, Right Angle, .120" Pocket, Shrouded, 2 Circuits, 0.38µm (15µ") Gold (Au) Selective Plating, Tin (Sn) PC Tail Plating

**Documents:** *Note - Please disable browser pop-up blockers for documents on www.molex.com*
Drawing (PDF)                              Product Specification PS-70400 (PDF)


*Series image - Reference only*

**EU RoHS**                                          **China RoHS**
**ELV and RoHS Compliant**

**REACH SVHC**
Not Reviewed

**Halogen-Free Status**
**Not Halogen-Free**

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Email **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.

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70553Series

**Mates With**

70066n, 70066g, 70430g, 70400g Housing

Product Specification PS-70541 (PDF)

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**GeneralPhysicalElectricalAgency CertificationSolder Process DataMaterial InfoReference - Drawing Numbers**

**General**

| | |
|---|---|
| Product Family | PCB Headers |
| Series | 70553 |
| Application | Wire-to-Board |
| Overview | C-Grid® / SL™ Products |
| Product Name | SL™ |

**Physical**

| | |
|---|---|
| Breakaway | No |
| Circuits (Loaded) | 2 |
| Circuits (maximum) | 2 |
| 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 |
| Number of Rows | 1 |
| Orientation | Right Angle |
| PC Tail Length (in) | 0.130 In |
| PC Tail Length (mm) | 3.30 mm |
| PCB Locator | No |
| PCB Retention | None |
| PCB Thickness Recommended (in) | 0.062 In |
| PCB Thickness Recommended (mm) | 1.60 mm |
| Packaging Type | Tube |
| Pitch - Mating Interface (in) | 0.100 In |
| Pitch - Mating Interface (mm) | 2.54 mm |
| Plating min: Mating (µin) | 15 |
| Plating min: Mating (µm) | 0.375 |
| Plating min: Termination (µin) | 75 |
| Plating min: Termination (µm) | 1.875 |
| Polarized to Mating Part | Yes |
| Shrouded | Fully |
| Stackable | No |
| Temperature Range - Operating | -40°C to +105°C |
| Termination Interface: Style | Through Hole |

**Electrical**(Please review the Product Specification for specific details.)

| | |
|---|---|
| Current - Maximum per Contact | 3A |
| Voltage - Maximum | 250V |

**Agency Certification**

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

**Solder Process Data**

| | |
|---|---|
| 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 |

**Material Info**

**Reference - Drawing Numbers**

| | |
|---|---|
| Product Specification | PS-70400, PS-70541 |
| Sales Drawing | SDA-70553-**** |

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