molex



**Part Number :** 14562091
**Product Description :** 2.54mm Pitch SL Insulation Displacement Connector Assembly, Female, Single Row, Version A, Non-polarized, Wire Size 24 AWG, 0.38µm Gold (Au), 9 Circuits
**Series Number :** 70400
**Status :** Active
**Product Category :** Connector Housings
**Engineering Number :** 70400-0533

## Documents & Resources

### Drawings

014562091_sd.pdf

PK-70873-0001-001.pdf

### 3D Models and Design Files

STEP AP242

SOLIDWORKS

Creo

## Product Environment Compliance

### Compliance

| | |
|---|---|
| GADSL/IMDS | Compliant with Exemption 44; 34; 33 |
| China RoHS | per SJ/T 11365-2006 |
| EU ELV | Not Relevant |
| Low-Halogen Status | Not Low-Halogen per IEC 61249-2-21 |
| REACH SVHC | Not Contained per D(2024)7663-DC (21 Jan 2025) |
| EU RoHS | Compliant per EU 2015/863 |

Compliance Statements

- EU RoHS

- REACH SVHC
- Low-Halogen

Industry Documents
- IPC 1752A Class C
- IPC 1752A Class D
- Molex Product Compliance Declaration
- IEC-62474
- chemSHERPA (xml)

Substances of Interest
- PFAS

EU RoHS Certificate of Compliance

Additional Product Compliance Information

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## Part Details

### General

| | |
|---|---|
| Status | Active |
| Category | Connector Housings |
| Series | 70400 |
| Description | 2.54mm Pitch SL Insulation Displacement Connector Assembly, Female, Single Row, Version A, Non-polarized, Wire Size 24 AWG, 0.38µm Gold (Au), 9 Circuits |
| Comments | Terminals Preloaded |
| Component Type | Housing |
| Product Name | SL |
| UPC | 800753760530 |

### Agency

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

### Electrical

| | |
|---|---|
| Voltage - Maximum | 250V |

### Physical

| | |
|---|---|
| Circuits (Loaded) | 9 |

| | |
|---|---|
| Color - Resin | Black |
| Durability (mating cycles max) | 50 |
| Entry Angle | Vertical |
| Flammability | 94V-0 |
| Gender | Female |
| Glow-Wire Capable | No |
| Lock to Mating Part | None |
| Material - Metal | Phosphor Bronze |
| Material - Plating Mating | Gold |
| Material - Plating Termination | Tin |
| Material - Resin | Polyester Alloy |
| Net Weight | 1.397/g |
| Number of Rows | 1 |
| Packaging Type | Tube |
| PCB Retention | None |
| Pitch - Mating Interface | 2.54mm |
| Plating min - Mating | 0.381µm |
| Plating min - Termination | 1.905µm |
| Polarized to Mating Part | No |
| Stackable | Yes |
| Temperature Range - Operating | -40° to +105°C |
| Termination Interface Style | IDT or Pierce |
| Wire/Cable Type | Discrete Wire, Ribbon Cable |
| Wire Insulation Diameter | 1.35mm max. |
| Wire Size (AWG) | 24 |

## Mates With / Use With

### Mates with Part(s)

| Description | Part Number |
|---|---|
| KK 254 Vertical Breakaway Headers with Friction Lock | 42375 |
| KK 254 Right-Angle Surface Mount Compatible Breakaway Headers | 42377 |

## Application Tooling

## Global

| Description | Part Number |
| --- | --- |
| IDT Discrete Handtool Module | 621000700 |
| Ribbon Cable Tool Kit, Press Not Included | 622016600 |