



**Part Number :** [14441218](#)

**Product Description :** 2.54mm Pitch SL Insulation Displacement Connector Assembly, Male, Single Row, Version D, Back Ribs, for Wire Size 24 AWG, 0.38µm Gold (Au), 18 Circuits

**Series Number :** 70475

**Status :** Active

**Product Category :** Connector Housings

**Engineering Part Number :** A-70475-0612



---

## Documents and Resources

### Drawings

[014441218\\_sd.pdf](#)

[PK-70873-0001-001.pdf](#)

### 3D Models and Design Files

[STEP AP242](#)

[SOLIDWORKS](#)

[Creo](#)

---

## Product Environment Compliance

### Compliance

|                    |              |
|--------------------|--------------|
| China RoHS         | Not Reviewed |
| EU ELV             | Not Reviewed |
| Low-Halogen Status | Not Reviewed |
| REACH SVHC         | Not Reviewed |
| EU RoHS            | Not Reviewed |

### 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

---

## Part Details

### General

|                |                                                                                                                                                         |
|----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|
| Status         | Active                                                                                                                                                  |
| Category       | Connector Housings                                                                                                                                      |
| Series         | 70475                                                                                                                                                   |
| Description    | 2.54mm Pitch SL Insulation Displacement Connector Assembly, Male, Single Row, Version D, Back Ribs, for Wire Size 24 AWG, 0.38µm Gold (Au), 18 Circuits |
| Comments       | Terminals Preloaded                                                                                                                                     |
| Component Type | Housing                                                                                                                                                 |
| Product Name   | SL                                                                                                                                                      |
| UPC            | 800753605770                                                                                                                                            |

### Agency

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

### Electrical

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

### Physical

|                                |       |
|--------------------------------|-------|
| Circuits (Loaded)              | 18    |
| Circuits (maximum)             | 18    |
| Color - Resin                  | Black |
| Durability (mating cycles max) | 50    |

|                                |                             |
|--------------------------------|-----------------------------|
| Entry Angle                    | Vertical                    |
| Flammability                   | 94V-0                       |
| Gender                         | Male                        |
| 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             |
| Number of Rows                 | 1                           |
| Packaging Type                 | Tube                        |
| PCB Retention                  | None                        |
| Pitch - Mating Interface       | 2.54mm                      |
| 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  |
|-------------------------|--------------|
| 2.54mm SL Interim Clips | <u>70013</u> |

---

## Application Tooling

### Global

| Description                               | Part Number      |
|-------------------------------------------|------------------|
| Ribbon Cable Tool Kit, Press Not Included | <u>622016600</u> |

---

