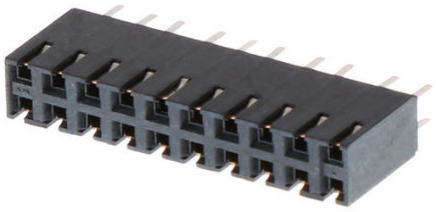
**Part Number :** 15445820
**Product Description :** 2.54mm Pitch C-Grid Receptacle, Through Hole, Dual Row, High Profile, Vertical, High-Temperature, 20 Circuits
**Series Number :** 71850
**Status :** Active
**Product Category :** PCB Headers and Receptacles
**Engineering Part Number :** A-71850-0137



## Documents and Resources

### Drawings

015445820_sd.pdf

### 3D Models and Design Files

STEP AP242

SOLIDWORKS

Creo

Symbol and Footprint (Multi-Format)

### Specifications

PS-70181-001.pdf

## 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 | Low-Halogen per IEC 61249-2-21 |
| REACH SVHC | Not Contained per D(2025)7771-DC (04 Feb 2026) |
| EU RoHS | Compliant per EU 2015/863 |

Compliance Statements

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- 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 | PCB Headers and Receptacles |
| Series | 71850 |
| Description | 2.54mm Pitch C-Grid Receptacle, Through Hole, Dual Row, High Profile, Vertical, High-Temperature, 20 Circuits |
| Application | Board-to-Board, Signal |
| Component Type | PCB Receptacle |
| Product Name | C-Grid |
| UPC | 800754255172 |

### Agency

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

### Electrical

| | |
|---|---|
| Current - Maximum per Contact | 2.5A |
| Voltage - Maximum | 250V |

### Physical

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| | |
|---|---|
| Circuits (Loaded) | 20 |
| Circuits (maximum) | 20 |
| Color - Resin | Black |
| Durability (mating cycles max) | 50 |
| First Mate / Last Break | No |
| Flammability | 94V-0 |
| Glow-Wire Capable | No |
| Material - Metal | Phosphor Bronze |
| Material - Plating Mating | Gold |
| Material - Plating Termination | Tin |
| Material - Resin | High Temperature Thermoplastic |
| Net Weight | 1.639/g |
| Number of Rows | 2 |
| Orientation | Vertical |
| Packaging Type | Tray |
| PCB Locator | No |
| PCB Retention | No |
| PCB Thickness - Recommended | 1.57mm |
| PC Tail Length | 3.05mm |
| Pitch - Mating Interface | 2.54mm |
| Plating min - Mating | 0.381µm |
| Plating min - Termination | 1.905µm |
| Polarized to PCB | No |
| Temperature Range - Operating | -40° to +105°C |
| Termination Interface Style | Through Hole |

### Solder Process Data

| | |
|---|---|
| Lead-Free Process Capability | SMC&WAVE |
| Max-Temp | 260 |

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## Mates With / Use With

### Mates with Part(s)

| Description | Part Number |
|---|---|
| C-Grid Vertical, Dual Row, Low | 70246 |

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| Profile Headers | |
|---|---|
| C-Grid Vertical, Dual Row, Through Hole Headers without Peg | 70567 |
| C-Grid Vertical, Dual Row, Through Hole Headers with Peg | 70568 |
| C-Grid Right-Angle, Dual Row, Low Profile Headers | 70247 |
| C-Grid Right-Angle, Dual Row, Through Hole Headers | 74162 |
| C-Grid Vertical Dual Row Breakaway Headers | 70280 |
| C-Grid Vertical Dual Row Breakaway Headers with Retention Pin | 70287 |
| C-Grid Vertical, Dual Row, Surface Mount Breakaway Headers | 71308 |
| C-Grid Right-Angle Dual Row Breakaway Headers | 70216 |
| C-Grid Right-Angle, Dual Row, Low Profile, Breakaway Headers | 71764 |



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