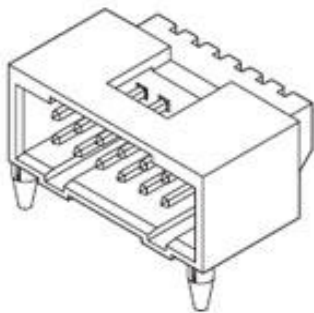




**Part Number :** [741640020](#)  
**Product Description :** C-Grid PCB Receptacle,  
2.54mm Pitch, Through Hole, Dual Row, Right-Angle,  
Shrouded, High-Temperature, 20 Circuits, 0.38µm Gold  
(Au) Plating, with Pegs  
**Series Number :** 74164  
**Status :** Active  
**Product Category :** PCB Headers and Receptacles

## Documents and Resources

### Drawings

- [741640020 sd.pdf](#)
- [PK-70873-0019-001.pdf](#)
- [PK-74163-9000-001.pdf](#)

### 3D Models and Design Files

- [STEP AP242](#)
- [SOLIDWORKS](#)
- [Creo](#)
- [Symbol and Footprint \(Multi-Format\)](#)

### Specifications

- [713080001-AS-000.pdf](#)
- [PS-74164-001-001.pdf](#)

## Product Environment Compliance

### Compliance

|                    |                                                                                                         |
|--------------------|---------------------------------------------------------------------------------------------------------|
| GADSL/IMDS         | Not Relevant                                                                                            |
| 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

- 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         | 74164                                                                                                                                                  |
| Description    | C-Grid PCB Receptacle, 2.54mm Pitch, Through Hole, Dual Row, Right-Angle, Shrouded, High-Temperature, 20 Circuits, 0.38µm Gold (Au) Plating, with Pegs |
| Application    | Board-to-Board                                                                                                                                         |
| Component Type | PCB Receptacle                                                                                                                                         |
| Product Name   | C-Grid                                                                                                                                                 |
| UPC            | 883906878504                                                                                                                                           |

### Agency

|    |        |
|----|--------|
| UL | E29179 |
|----|--------|

### Electrical

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

### Physical

|                                |                              |
|--------------------------------|------------------------------|
| Breakaway                      | No                           |
| Circuits (Loaded)              | 20                           |
| Circuits (maximum)             | 20                           |
| Color - Resin                  | Black                        |
| Durability (mating cycles max) | 50                           |
| First Mate / Last Break        | No                           |
| Glow-Wire Capable              | No                           |
| Guide to Mating Part           | No                           |
| Keying to Mating Part          | No                           |
| Lock to Mating Part            | Yes                          |
| Material - Metal               | Copper Alloy                 |
| Material - Plating Mating      | Gold                         |
| Material - Plating Termination | Tin                          |
| Material - Resin               | Liquid Crystal Polymer (LCP) |
| Net Weight                     | 4.939/g                      |
| Number of Rows                 | 2                            |
| Orientation                    | Right Angle                  |
| Packaging Type                 | Tube                         |
| PCB Locator                    | Yes                          |
| PCB Retention                  | Yes                          |
| PCB Thickness - Recommended    | 1.57mm                       |
| PC Tail Length                 | 3.30mm                       |
| Pitch - Mating Interface       | 2.54mm                       |
| Pitch - Termination Interface  | 2.54mm                       |
| Plating min - Mating           | 0.381µm                      |
| Plating min - Termination      | 1.910µm                      |
| Polarized to Mating Part       | No                           |
| Polarized to PCB               | No                           |
| Shrouded                       | Shrouded                     |
| Stackable                      | No                           |
| Temperature Range - Operating  | -40° to +105°C               |
| Termination Interface Style    | Through Hole                 |

### Solder Process Data

|              |   |
|--------------|---|
| Max-Duration | 5 |
|--------------|---|

|                              |      |
|------------------------------|------|
| Lead-Free Process Capability | WAVE |
| Max-Cycle                    | 1    |
| Max-Temp                     | 260  |

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