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**Part Number:** [0015453616](#)  
**Status:** **Active**  
**Overview:** C-Grid® Products  
**Description:** 2.54mm Pitch C-Grid® PCB Connector, Surface Mount, High Profile, Dual Row, Vertical, 16 Circuits

**Documents:**

|                                                          |                                                                  |
|----------------------------------------------------------|------------------------------------------------------------------|
| <a href="#">3D Model</a>                                 | <a href="#">Product Specification TS-70541-001-001 (PDF)</a>     |
| <a href="#">Drawing (PDF)</a>                            | <a href="#">Application Specification AS-71395-001-001 (PDF)</a> |
| <a href="#">Product Specification PS-71395-001 (PDF)</a> | <a href="#">RoHS Certificate of Compliance (PDF)</a>             |

**Agency Certification**

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

**General**

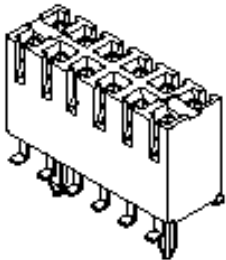
|                |                                  |
|----------------|----------------------------------|
| Product Family | PCB Receptacles                  |
| Series         | <a href="#">71395</a>            |
| Application    | Board-to-Board, Signal           |
| Overview       | <a href="#">C-Grid® Products</a> |
| Product Name   | C-Grid®                          |
| UPC            | 800755004250                     |

**Physical**

|                                |                                |
|--------------------------------|--------------------------------|
| Circuits (Loaded)              | 16                             |
| Circuits (maximum)             | 16                             |
| Color - Resin                  | Black                          |
| Durability (mating cycles max) | 50                             |
| Flammability                   | 94V-0                          |
| Glow-Wire Compliant            | No                             |
| Guide to Mating Part           | No                             |
| Keying to Mating Part          | None                           |
| Lock to Mating Part            | No                             |
| Material - Metal               | Phosphor Bronze                |
| Material - Plating Mating      | Gold                           |
| Material - Plating Termination | Tin                            |
| Material - Resin               | High Temperature Thermoplastic |
| Net Weight                     | 1.353/g                        |
| Number of Rows                 | 2                              |
| Orientation                    | Vertical                       |
| PC Tail Length                 | 1.47mm                         |
| PCB Locator                    | Yes                            |
| PCB Retention                  | Yes                            |
| PCB Thickness - Recommended    | 1.57mm                         |
| Packaging Type                 | Tray                           |
| Pitch - Mating Interface       | 2.54mm                         |
| Plating min - Mating           | 0.762µm                        |
| Plating min - Termination      | 1.905µm                        |
| Polarized to PCB               | No                             |
| Surface Mount Compatible (SMC) | N/A                            |
| Temperature Range - Operating  | -40°C to +105°C                |
| Termination Interface: Style   | Surface Mount                  |

**Electrical**

|                               |      |
|-------------------------------|------|
| Current - Maximum per Contact | 2.5A |
| Grounding to PCB              | No   |
| Voltage - Maximum             | 250V |



Series image - Reference only

**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**China RoHS**

**REACH SVHC**

Not Contained Per  
-ED/01/2017 (12  
January 2017)

**Halogen-Free**

**Status**

**Low-Halogen**

**Need more information on product  
environmental compliance?**

Email [productcompliance@molex.com](mailto:productcompliance@molex.com)  
Please visit the [Contact Us](#) section for any  
non-product compliance questions.

|                 |               |
|-----------------|---------------|
| China ROHS      | Green Image   |
| ELV             | Not Relevant  |
| RoHS Phthalates | Not Contained |

**Search Parts in this Series**

[71395 Series](#)

**Mates With**

[8624](#) C-Grid® Breakaway Header, [70246](#)  
Straight Header, [70247](#) Right Angle Header,  
[70287](#) C-Grid® Header, [70227](#) Dual Row  
C-Grid® Header, [70567](#) C-Grid® Header,  
[70280](#) C-Grid® Breakaway Header, [70524](#)  
C-Grid® Breakaway Header

**Solder Process Data**

|                             |        |
|-----------------------------|--------|
| Lead-freeProcess Capability | REFLOW |
| Process Temperature max. C  | 260    |

**Material Info**

|                    |            |
|--------------------|------------|
| Engineering Number | 71395-0216 |
|--------------------|------------|

**Reference - Drawing Numbers**

|                           |                                |
|---------------------------|--------------------------------|
| Application Specification | AS-71395-001-001               |
| Product Specification     | PS-71395-001, TS-70541-001-001 |
| Sales Drawing             | SDA-71395-0***                 |

This document was generated on 02/28/2017

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