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**Part Number:** [79109-8410](#)  
**Status:** **Active**  
**Overview:** [Milli-Grid™ Connector System](#)  
**Description:** Milli-Grid™ Receptacle, Surface Mount, Vertical, Top/Bottom Entry, without Press-fit Plastic Pegs, with Cap, Embossed Tape on Reel, 0.38µm Gold (Au) Selective, 22 Circuits, Lead-Free

**Documents:**

|                                                      |                                                      |
|------------------------------------------------------|------------------------------------------------------|
| <a href="#">3D Model</a>                             | <a href="#">Test Summary TS-79109-001 (PDF)</a>      |
| <a href="#">Drawing (PDF)</a>                        | <a href="#">RoHS Certificate of Compliance (PDF)</a> |
| <a href="#">Product Specification PS-79107 (PDF)</a> |                                                      |

**Agency Certification**

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

**General**

|                |                                              |
|----------------|----------------------------------------------|
| Product Family | PCB Receptacles                              |
| Series         | <a href="#">79109</a>                        |
| Application    | Board-to-Board, Signal                       |
| Overview       | <a href="#">Milli-Grid™ Connector System</a> |
| Product Name   | Milli-Grid™                                  |
| UPC            | 822348492343                                 |

**Physical**

|                                |                                |
|--------------------------------|--------------------------------|
| Circuits (Loaded)              | 22                             |
| Circuits (maximum)             | 22                             |
| Color - Resin                  | Black                          |
| Durability (mating cycles max) | 50                             |
| Flammability                   | 94V-0                          |
| Glow-Wire Compliant            | No                             |
| Lock to Mating Part            | None                           |
| Material - Metal               | Phosphor Bronze                |
| Material - Plating Mating      | Gold                           |
| Material - Plating Termination | Tin                            |
| Material - Resin               | High Temperature Thermoplastic |
| Net Weight                     | 0.618/g                        |
| Number of Rows                 | 2                              |
| Orientation                    | Vertical                       |
| PCB Locator                    | No                             |
| PCB Retention                  | None                           |
| Packaging Type                 | Embossed Tape on Reel          |
| Pitch - Mating Interface       | 2.00mm                         |
| Plating min - Mating           | 0.381µm                        |
| Plating min - Termination      | 1.905µm                        |
| Polarized to PCB               | No                             |
| Temperature Range - Operating  | -55°C to +105°C                |
| Termination Interface: Style   | Surface Mount                  |

**Electrical**

|                               |      |
|-------------------------------|------|
| Current - Maximum per Contact | 1A   |
| Voltage - Maximum             | 125V |

**Solder Process Data**

|                                                |                           |
|------------------------------------------------|---------------------------|
| Duration at Max. Process Temperature (seconds) | 10                        |
| Lead-free Process Capability                   | Reflow Capable (SMT only) |
| Max. Cycles at Max. Process Temperature        | 1                         |



image - Reference only

Series

**EU RoHS**

**ELV and RoHS  
Compliant**  
**REACH SVHC**  
**Contains SVHC: No**  
**Low-Halogen Status**  
**Not Low-Halogen**

**China RoHS**



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Email [productcompliance@molex.com](mailto:productcompliance@molex.com)  
For a multiple part number RoHS Certificate of  
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non-product compliance questions.

**Search Parts in this Series**

[79109Series](#)

**Mates With**

[87833](#) , [87832](#) , [87831](#) , [87758](#) , [87759](#) ,  
[87760](#)

|                                    |                |
|------------------------------------|----------------|
| Process Temperature max. C         | 260            |
| <b>Material Info</b>               |                |
| <b>Reference - Drawing Numbers</b> |                |
| Product Specification              | PS-79107       |
| Sales Drawing                      | SDA-79109-**** |
| Test Summary                       | TS-79109-001   |

This document was generated on 07/03/2014

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