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**Part Number:** [0791077054](#)  
**Status:** **Active**  
**Description:** 2.00mm (.079") Pitch Milli-Grid™ Receptacle, Vertical, Through Hole, Dual Row, 3.00mm (.118) Tail Length, 0.76µm (30µ") Gold (Au) Selective Plating, 10 Circuits, Leadfree

**Documents:**  
[3D Model](#)  
[Drawing \(PDF\)](#)

[Product Specification PS-79107 \(PDF\)](#)  
[RoHS Certificate of Compliance \(PDF\)](#)

**General**

Product Family PCB Receptacles  
Series [79107](#)  
Application Board-to-Board  
Product Name Milli-Grid™

**Physical**

Circuits (Loaded) 10  
Color - Resin Black  
Durability (mating cycles max) 50  
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  
Number of Rows 2  
Orientation Vertical  
PC Tail Length (in) 0.118 In  
PC Tail Length (mm) 3.00 mm  
PCB Locator No  
PCB Retention None  
PCB Thickness Recommended (in) 0.062 In  
PCB Thickness Recommended (mm) 1.60 mm  
Packaging Type Tube  
Pitch - Mating Interface (in) 0.079 In  
Pitch - Mating Interface (mm) 2.00 mm  
Pitch - Term. Interface (in) 0.079 In  
Pitch - Term. Interface (mm) 2.00 mm  
Plating min: Mating (µin) 30  
Plating min: Mating (µm) 0.75  
Plating min: Termination (µin) 75  
Plating min: Termination (µm) 1.875  
Polarized to Mating Part No  
Polarized to PCB No  
Surface Mount Compatible (SMC) Yes  
Temperature Range - Operating -55°C to +105°C  
Termination Interface: Style Through Hole

**Electrical**

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

**Solder Process Data**

Duration at Max. Process Temperature (seconds) 10  
Lead-free Process Capability Wave Capable (TH only)

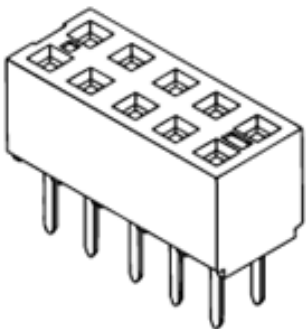


image - Reference only

Series

**EU RoHS**  
**ELV and RoHS**  
**Compliant**  
**REACH SVHC**  
**Contains SVHC: No**  
**Halogen-Free**  
**Status**  
**Not Reviewed**

**China RoHS**



**Need more information on product environmental compliance?**  
  
Email [productcompliance@molex.com](mailto:productcompliance@molex.com)  
For a multiple part number RoHS Certificate of Compliance, [click here](#)  
  
Please visit the [Contact Us](#) section for any non-product compliance questions.

**Search Parts in this Series**  
[79107Series](#)

**Mates With**  
[87758](#) Vertical, Through Hole, Stackable PCB Header, [87759](#) Vertical, Surface Mount, Stackable PCB Header, [87760](#) Right Angle, Through Hole, Stackable PCB Header, [87831](#) Vertical, Through Hole PCB Header, [87832](#) Vertical, Surface Mount PCB

|                                         |     |
|-----------------------------------------|-----|
| Max. Cycles at Max. Process Temperature | 1   |
| Process Temperature max. C              | 260 |

**Material Info**

**Reference - Drawing Numbers**

|                       |                |
|-----------------------|----------------|
| Product Specification | PS-79107       |
| Sales Drawing         | SDA-79107-**** |

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MOLDED VOID OPTION

ASSEMBLIES WITHOUT PEGS

|              | ASSEMBLY   | VOID LOCATION(S)<br>SEE SHEET 1 FOR CONVENTION |             | PLATING<br>OPTION | DIM. "A" | DIM. "B" | P.C. TAIL<br>DIM. "C" |
|--------------|------------|------------------------------------------------|-------------|-------------------|----------|----------|-----------------------|
| CKT.<br>SIZE | ITEM NO.   | ROW                                            | CKT. NO.(s) |                   |          |          |                       |
| 24           | 79107-5101 | ROW B                                          | 6           | 5                 | (24.19)  | (22.00)  | (3.00)                |
| 10           | 79107-5102 | ROW A                                          | 5           | 5                 | (10.19)  | (8.00)   | (3.00)                |
| 26           | 79107-5103 | ROW B                                          | 5           | 5                 | (26.19)  | (24.00)  | (3.00)                |
| 20           | 79107-5104 | ROW A                                          | 7           | 5                 | (20.19)  | (18.00)  | (1.91)                |
| 24           | 79107-5105 | ROW B                                          | 10          | 5                 | (24.19)  | (22.00)  | (1.91)                |
| 20           | 79107-5106 | ROW A                                          | 7           | 5                 | (20.19)  | (18.00)  | (3.00)                |
| 24           | 79107-5107 | ROW B                                          | 10          | 5                 | (24.19)  | (22.00)  | (3.00)                |

"X" - DENOTES THE ITEM IS NOT AVAILABLE CURRENTLY.

NOTES

- TERMINALS WILL BE PRESENT IN VOIDED LOCATIONS HOWEVER, PIN WINDOWS WILL BE CLOSED.
- VOIDS CANNOT BE PRESENT IN BOTH ROWS ON A CONNECTOR.

|                                                                                                                                                                                                                  |                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                             |                                              |                                                                                                                                          |                                        |          |       |       |          |       |       |          |        |       |         |        |       |               |  |  |                                                                                                                                                                                                                                                                                                                                          |          |      |     |            |            |      |     |            |             |      |     |            |                                 |                                           |                                   |                                                 |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|----------|-------|-------|----------|-------|-------|----------|--------|-------|---------|--------|-------|---------------|--|--|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|------|-----|------------|------------|------|-----|------------|-------------|------|-----|------------|---------------------------------|-------------------------------------------|-----------------------------------|-------------------------------------------------|
| <div> <div> PDRS#1861, ADD 791075104,<br/>5105, 5106, 5107<br/>EC NO: S2009-0107<br/>DRAWN BY CHYD:SKANG<br/>2008/09/15<br/>APPR:MLONG<br/>2008/09/15<br/>REV<br/>H1 </div> <div> DESCRIPTION<br/> </div> </div> | <div>QUALITY SYMBOLS</div> <div> <div> <div> </div> <div>=0</div> </div> <div> <div> </div> <div>=0</div> </div> </div> | <div>GENERAL TOLERANCES (UNLESS SPECIFIED)</div> <table> <tr> <td></td> <td>mm</td> <td>INCH</td> </tr> <tr> <td>4 PLACES</td> <td>± ---</td> <td>± ---</td> </tr> <tr> <td>3 PLACES</td> <td>± ---</td> <td>± ---</td> </tr> <tr> <td>2 PLACES</td> <td>± 0.25</td> <td>± ---</td> </tr> <tr> <td>1 PLACE</td> <td>± 0.38</td> <td>± ---</td> </tr> <tr> <td colspan="3">ANGULAR ±1/2°</td> </tr> </table> |                                              | mm                                                                                                                                       | INCH                                   | 4 PLACES | ± --- | ± --- | 3 PLACES | ± --- | ± --- | 2 PLACES | ± 0.25 | ± --- | 1 PLACE | ± 0.38 | ± --- | ANGULAR ±1/2° |  |  | <div>DIMENSION STYLE</div> <div>MM ONLY</div> <table> <tr> <td>DRAWN BY</td> <td>DATE</td> </tr> <tr> <td>AAB</td> <td>1989/05/15</td> </tr> <tr> <td>CHECKED BY</td> <td>DATE</td> </tr> <tr> <td>MJM</td> <td>1989/05/15</td> </tr> <tr> <td>APPROVED BY</td> <td>DATE</td> </tr> <tr> <td>WAZ</td> <td>1989/05/15</td> </tr> </table> | DRAWN BY | DATE | AAB | 1989/05/15 | CHECKED BY | DATE | MJM | 1989/05/15 | APPROVED BY | DATE | WAZ | 1989/05/15 | <div>SCALE</div> <div>NTS</div> | <div>DESIGN UNITS</div> <div>METRIC</div> | <div>THIRD ANGLE PROJECTION</div> | <div>2MM DUAL ROW VERTICAL RECEPTACLE T/H</div> |
|                                                                                                                                                                                                                  |                                                                                                                         | mm                                                                                                                                                                                                                                                                                                                                                                                                          | INCH                                         |                                                                                                                                          |                                        |          |       |       |          |       |       |          |        |       |         |        |       |               |  |  |                                                                                                                                                                                                                                                                                                                                          |          |      |     |            |            |      |     |            |             |      |     |            |                                 |                                           |                                   |                                                 |
|                                                                                                                                                                                                                  | 4 PLACES                                                                                                                | ± ---                                                                                                                                                                                                                                                                                                                                                                                                       | ± ---                                        |                                                                                                                                          |                                        |          |       |       |          |       |       |          |        |       |         |        |       |               |  |  |                                                                                                                                                                                                                                                                                                                                          |          |      |     |            |            |      |     |            |             |      |     |            |                                 |                                           |                                   |                                                 |
|                                                                                                                                                                                                                  | 3 PLACES                                                                                                                | ± ---                                                                                                                                                                                                                                                                                                                                                                                                       | ± ---                                        |                                                                                                                                          |                                        |          |       |       |          |       |       |          |        |       |         |        |       |               |  |  |                                                                                                                                                                                                                                                                                                                                          |          |      |     |            |            |      |     |            |             |      |     |            |                                 |                                           |                                   |                                                 |
|                                                                                                                                                                                                                  | 2 PLACES                                                                                                                | ± 0.25                                                                                                                                                                                                                                                                                                                                                                                                      | ± ---                                        |                                                                                                                                          |                                        |          |       |       |          |       |       |          |        |       |         |        |       |               |  |  |                                                                                                                                                                                                                                                                                                                                          |          |      |     |            |            |      |     |            |             |      |     |            |                                 |                                           |                                   |                                                 |
| 1 PLACE                                                                                                                                                                                                          | ± 0.38                                                                                                                  | ± ---                                                                                                                                                                                                                                                                                                                                                                                                       |                                              |                                                                                                                                          |                                        |          |       |       |          |       |       |          |        |       |         |        |       |               |  |  |                                                                                                                                                                                                                                                                                                                                          |          |      |     |            |            |      |     |            |             |      |     |            |                                 |                                           |                                   |                                                 |
| ANGULAR ±1/2°                                                                                                                                                                                                    |                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                             |                                              |                                                                                                                                          |                                        |          |       |       |          |       |       |          |        |       |         |        |       |               |  |  |                                                                                                                                                                                                                                                                                                                                          |          |      |     |            |            |      |     |            |             |      |     |            |                                 |                                           |                                   |                                                 |
| DRAWN BY                                                                                                                                                                                                         | DATE                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                             |                                              |                                                                                                                                          |                                        |          |       |       |          |       |       |          |        |       |         |        |       |               |  |  |                                                                                                                                                                                                                                                                                                                                          |          |      |     |            |            |      |     |            |             |      |     |            |                                 |                                           |                                   |                                                 |
| AAB                                                                                                                                                                                                              | 1989/05/15                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                             |                                              |                                                                                                                                          |                                        |          |       |       |          |       |       |          |        |       |         |        |       |               |  |  |                                                                                                                                                                                                                                                                                                                                          |          |      |     |            |            |      |     |            |             |      |     |            |                                 |                                           |                                   |                                                 |
| CHECKED BY                                                                                                                                                                                                       | DATE                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                             |                                              |                                                                                                                                          |                                        |          |       |       |          |       |       |          |        |       |         |        |       |               |  |  |                                                                                                                                                                                                                                                                                                                                          |          |      |     |            |            |      |     |            |             |      |     |            |                                 |                                           |                                   |                                                 |
| MJM                                                                                                                                                                                                              | 1989/05/15                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                             |                                              |                                                                                                                                          |                                        |          |       |       |          |       |       |          |        |       |         |        |       |               |  |  |                                                                                                                                                                                                                                                                                                                                          |          |      |     |            |            |      |     |            |             |      |     |            |                                 |                                           |                                   |                                                 |
| APPROVED BY                                                                                                                                                                                                      | DATE                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                             |                                              |                                                                                                                                          |                                        |          |       |       |          |       |       |          |        |       |         |        |       |               |  |  |                                                                                                                                                                                                                                                                                                                                          |          |      |     |            |            |      |     |            |             |      |     |            |                                 |                                           |                                   |                                                 |
| WAZ                                                                                                                                                                                                              | 1989/05/15                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                             |                                              |                                                                                                                                          |                                        |          |       |       |          |       |       |          |        |       |         |        |       |               |  |  |                                                                                                                                                                                                                                                                                                                                          |          |      |     |            |            |      |     |            |             |      |     |            |                                 |                                           |                                   |                                                 |
|                                                                                                                                                                                                                  |                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                             | <div>MATERIAL NO.</div> <div>SEE TABLE</div> | <div>DOCUMENT NO.</div> <div>SDA-79107-****</div>                                                                                        | <div>SHEET NO.</div> <div>3 OF 3</div> |          |       |       |          |       |       |          |        |       |         |        |       |               |  |  |                                                                                                                                                                                                                                                                                                                                          |          |      |     |            |            |      |     |            |             |      |     |            |                                 |                                           |                                   |                                                 |
|                                                                                                                                                                                                                  |                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                             | <div>SIZE</div> <div>A3</div>                | <div>THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION</div> |                                        |          |       |       |          |       |       |          |        |       |         |        |       |               |  |  |                                                                                                                                                                                                                                                                                                                                          |          |      |     |            |            |      |     |            |             |      |     |            |                                 |                                           |                                   |                                                 |
|                                                                                                                                                                                                                  |                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                             |                                              |                                                                                                                                          |                                        |          |       |       |          |       |       |          |        |       |         |        |       |               |  |  |                                                                                                                                                                                                                                                                                                                                          |          |      |     |            |            |      |     |            |             |      |     |            |                                 |                                           |                                   |                                                 |
|                                                                                                                                                                                                                  |                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                             |                                              |                                                                                                                                          |                                        |          |       |       |          |       |       |          |        |       |         |        |       |               |  |  |                                                                                                                                                                                                                                                                                                                                          |          |      |     |            |            |      |     |            |             |      |     |            |                                 |                                           |                                   |                                                 |