

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0901512126

Status:

Active

Overview:

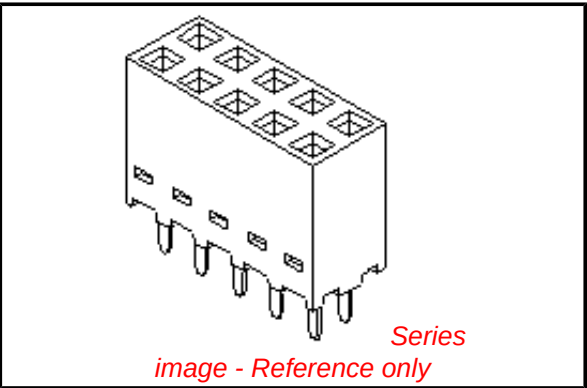
cgrid\_sl\_products

Description:

2.54mm (.100") Pitch C-Grid III™ PC Board Connector, Dual Row, Vertical, 26 Circuits

|                               |                                                      |
|-------------------------------|------------------------------------------------------|
| Documents:                    |                                                      |
| <a href="#">3D Model</a>      | <a href="#">RoHS Certificate of Compliance (PDF)</a> |
| <a href="#">Drawing (PDF)</a> |                                                      |

|                                |                        |
|--------------------------------|------------------------|
| General                        |                        |
| Product Family                 | PCB Receptacles        |
| Series                         | 90151                  |
| Application                    | Board-to-Board         |
| Overview                       | cgrid_sl_products      |
| Product Name                   | C-Grid III™            |
| Physical                       |                        |
| Circuits (Loaded)              | 26                     |
| Color - Resin                  | Black                  |
| 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      | Tin                    |
| Material - Plating Termination | Tin                    |
| Material - Resin               | Polyester              |
| Number of Rows                 | 2                      |
| Orientation                    | Vertical               |
| PC Tail Length (in)            | 0.114 In               |
| PC Tail Length (mm)            | 2.90 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)  | 0.100 In               |
| Pitch - Mating Interface (mm)  | 2.54 mm                |
| Plating min: Mating (µin)      | 40                     |
| Plating min: Mating (µm)       | 1.00                   |
| Plating min: Termination (µin) | 40                     |
| Plating min: Termination (µm)  | 1.00                   |
| Polarized to PCB               | No                     |
| Temperature Range - Operating  | -55°C to +125°C        |
| Termination Interface: Style   | Through Hole           |
| Electrical                     |                        |
| Current - Maximum per Contact  | 3A                     |
| Grounding to PCB               | No                     |
| Voltage - Maximum              | 350V                   |
| Solder Process Data            |                        |
| Lead-free Process Capability   | Wave Capable (TH only) |
| Material Info                  |                        |
| Reference - Drawing Numbers    |                        |



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

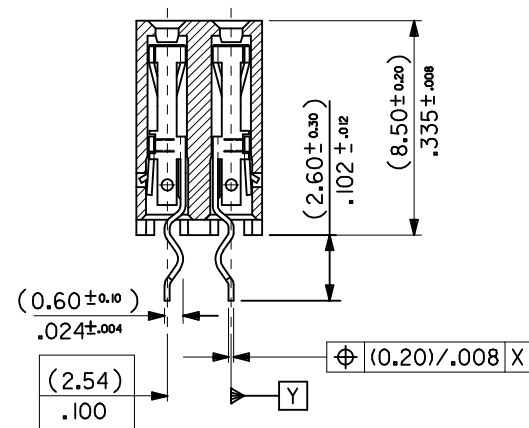
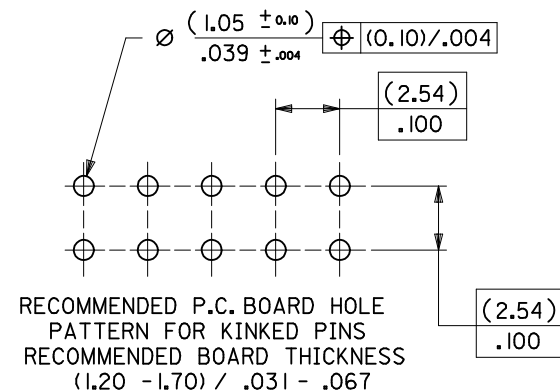
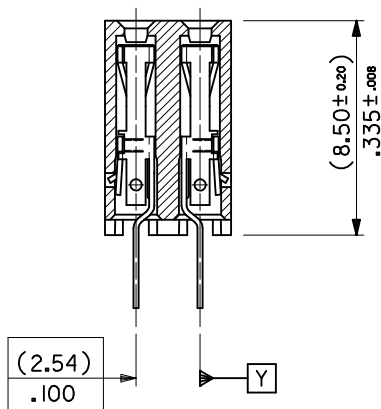
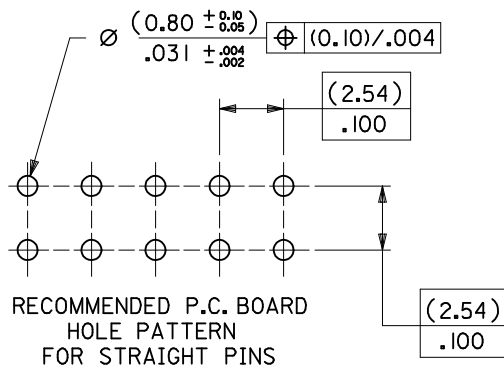
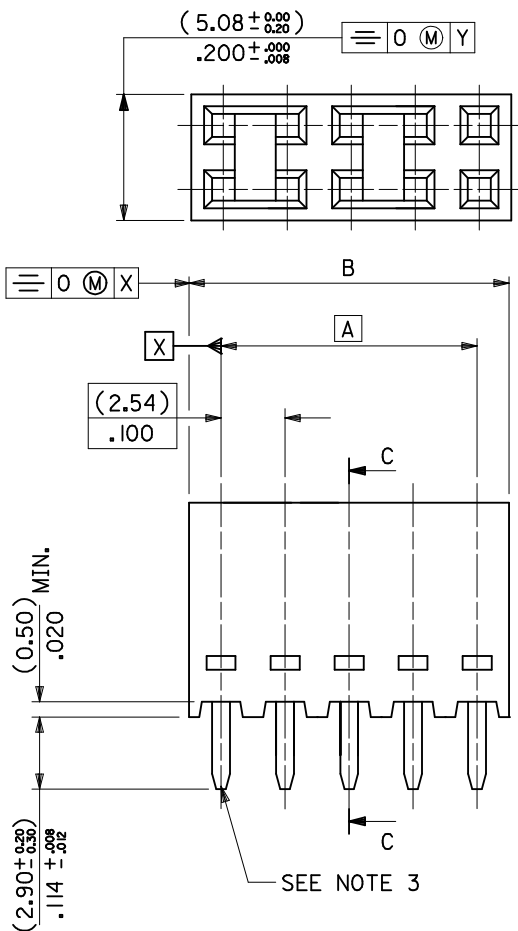
90151Series

Mates With

0.64mm (.025") square pins

This document was generated on 05/24/2010

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#### NOTES

- 1) CONTACT-PLATED PHOSPHOR BRONZE.
- 2) HOUSING-15% GLASS FILLED POLYESTER.  
COLOUR-BLACK.
- 3) COMPATIBLE WITH PCB HOLE PATTERN.
- 4) FOR (0.635)/.025 SQ. MALE PINS THE  
LENGTH MUST BE (5.65)/.222 MIN &  
(7.00)/.276 MAX. TO ENSURE GOOD  
CONNECTION WITH CONTACT.

ADD INSET FOR GATE  
EC NO: E2009-0250 2008/12/08  
DRWN:BMAGUIRE 2008/12/08  
CHKD:  
APPR:BMAGUIRE 2008/12/08  
AH

QUALITY  
SYMBOLS  
▽=0  
C=0  
REV

| GENERAL TOLERANCES<br>(UNLESS SPECIFIED)                   |              |
|------------------------------------------------------------|--------------|
|                                                            | mm INCH      |
| 4 PLACES                                                   | ± --- ± ---  |
| 3 PLACES                                                   | ± --- ± ---  |
| 2 PLACES                                                   | ± 0.05 ± --- |
| 1 PLACE                                                    | ± 0.10 ± --- |
| ANGULAR ± ---°                                             |              |
| DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS |              |

| DIMENSION STYLE<br>MM ONLY |                                                                                                                                  |
|----------------------------|----------------------------------------------------------------------------------------------------------------------------------|
| DRAWN BY                   | DATE                                                                                                                             |
| DB                         | 21/07/86                                                                                                                         |
| CHECKED BY                 | DATE                                                                                                                             |
| APPROVED BY                | DATE                                                                                                                             |
| MATERIAL NO.               | DOCUMENT NO.                                                                                                                     |
| SIZE<br>A3                 | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX<br>INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |

|                                                                  |                        |                           |
|------------------------------------------------------------------|------------------------|---------------------------|
| SCALE<br>1:1                                                     | DESIGN UNITS<br>METRIC | THIRD ANGLE<br>PROJECTION |
| TITLE<br>C-GRID III DUAL ROW<br>VERTICAL P.C. BOARD<br>CONNECTOR |                        |                           |
| molex MOLEX INCORPORATED                                         |                        |                           |
| SDA-90151                                                        |                        | SHEET NO.<br>1 OF 5       |

|   |    |
|---|----|
| 6 | AF |
| 5 | AD |
| 4 | AD |
| 3 | AD |
| 2 | AG |
| 1 | AH |

