

**PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION**

**Part Number:** [0901560146](#)  
**Status:** **Active**  
**Overview:** [cgrid\\_iii](#)  
**Description:** 2.54mm (.100") Pitch C-Grid III™ Crimp Housing - Single Row, 6 Circuits

**Documents:**

[3D Model](#) [RoHS Certificate of Compliance \(PDF\)](#)  
[Drawing \(PDF\)](#)

**General**

|                |                           |
|----------------|---------------------------|
| Product Family | Crimp Housings            |
| Series         | <a href="#">90156</a>     |
| MolexKits      | Yes                       |
| Overview       | <a href="#">cgrid_iii</a> |
| Product Name   | C-Grid III™               |

**Physical**

|                               |                 |
|-------------------------------|-----------------|
| Breakaway                     | No              |
| Circuits (maximum)            | 6               |
| Color - Resin                 | Black           |
| Gender                        | Female          |
| Glow-Wire Compliant           | No              |
| Lock to Mating Part           | Yes             |
| Material - Resin              | PPO             |
| Number of Rows                | 1               |
| Packaging Type                | Bag             |
| Panel Mount                   | No              |
| Pitch - Mating Interface (in) | 0.100 In        |
| Pitch - Mating Interface (mm) | 2.54 mm         |
| Temperature Range - Operating | -55°C to +105°C |

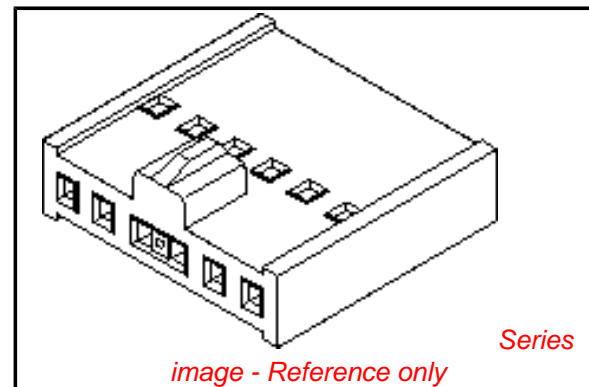
**Electrical**

|                               |    |
|-------------------------------|----|
| Current - Maximum per Contact | 3A |
|-------------------------------|----|

**Material Info**

**Reference - Drawing Numbers**

|               |           |
|---------------|-----------|
| Sales Drawing | SDA-90156 |
|---------------|-----------|



**EU RoHS**

**ELV and RoHS  
Compliant**  
**REACH SVHC**  
 Not Reviewed  
**Halogen-Free  
Status**

**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**

[90156Series](#)

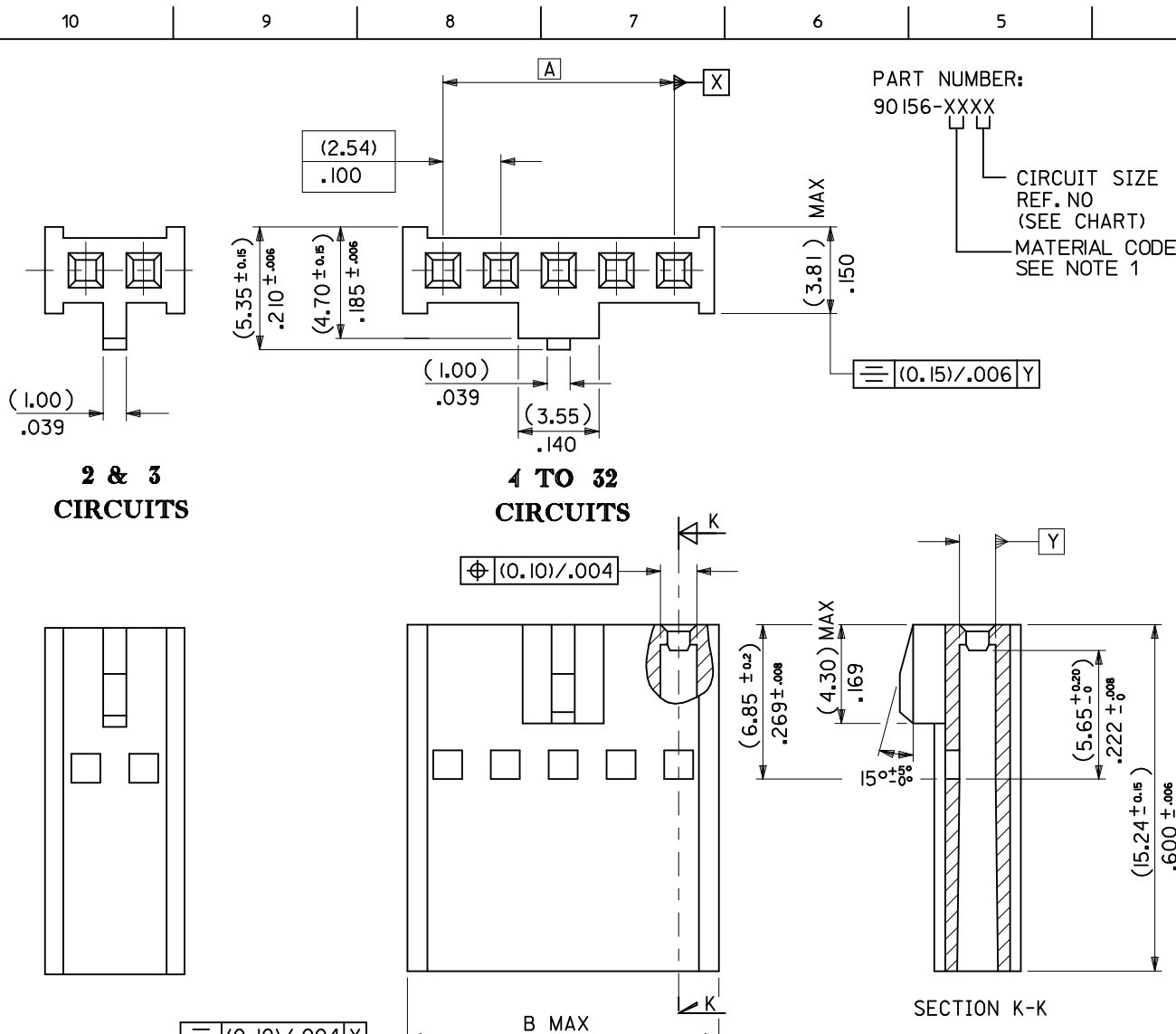
**Mates With**

[90120](#) , [90121](#) , [90136](#)

**Use With**

[90119](#)

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| No.OF CKTS | PART NUMBER | DIM A           | DIM B           |
|------------|-------------|-----------------|-----------------|
| 2          | 90156-XX42  | ( 2.54 ) / .100 | ( 6.14 ) / .342 |
| 3          | -XX43       | ( 5.08 ) / .200 | ( 8.68 ) / .342 |
| 4          | -XX44       | ( 7.62 ) / .300 | (11.22) / .442  |
| 5          | -XX45       | (10.16) / .400  | (13.76) / .542  |
| 6          | -XX46       | (12.70) / .500  | (16.30) / .642  |
| 7          | -XX47       | (15.24) / .600  | (18.84) / .742  |
| 8          | -XX48       | (17.78) / .700  | (21.38) / .842  |
| 9          | -XX49       | (20.32) / .800  | (23.92) / .942  |
| 10         | -XX50       | (22.86) / .900  | (26.46) / 1.042 |
| 11         |             |                 |                 |
| 12         | -XX52       | (27.94) / 1.100 | (31.54) / 1.242 |
| 13         | -XX53       | (30.48) / 1.200 | (34.08) / 1.342 |
| 14         | -XX54       | (33.02) / 1.300 | (36.62) / 1.442 |
| 15         | -XX55       | (35.56) / 1.400 | (39.16) / 1.542 |
| 16         | -XX56       | (38.10) / 1.500 | (41.70) / 1.642 |
| 17         |             |                 |                 |
| 18         | -XX58       | (43.18) / 1.700 | (46.78) / 1.842 |
| 19         |             |                 |                 |
| 20         | -XX60       | (48.26) / 1.900 | (51.86) / 2.042 |
| 21         |             |                 |                 |
| 22         | -XX62       | (53.34) / 2.100 | (56.94) / 2.242 |
| 23         |             |                 |                 |
| 24         |             |                 |                 |
| 25         | -XX65       | (60.96) / 2.400 | (64.56) / 2.542 |
| 26         |             |                 |                 |
| 27         |             |                 |                 |
| 28         |             |                 |                 |
| 29         |             |                 |                 |
| 30         | -XX70       | (73.66) / 2.900 | (77.26) / 3.042 |
| 31         |             |                 |                 |
| 32         | 90156-XX72  | (78.74) / 3.100 | (82.34) / 3.242 |

NOTES:  
 1 MATERIAL CODE XX: 90156 - XX\*\* :  
 01-POLYPHENYLENE OXIDE (PPO) UL 94 V-1 COLOUR BLACK  
 02-POLYPHENYLENE OXIDE (PPO) UL 94 V-1 COLOUR GREY  
 10-GLOW WIRE OPTION POLYESTER (PBT) UL94 V-2 COLOUR NATURAL  
 2. PRODUCT SPECIFICATION: PS-99020-0001

ADDED GWT OPTION  
 EC NO: E2009-0175  
 DRW:BMAGUIRE 2008/09/29  
 CHKD: 2008/09/29  
 APPR:BMAGUIRE 2008/09/30

| QUALITY SYMBOLS | GENERAL TOLERANCES (UNLESS SPECIFIED)                | DIMENSION STYLE     | SCALE   | DESIGN UNITS | THIRD ANGLE PROJECTION |
|-----------------|--|---------------------|---|--------------|------------------------|
| $\nabla = 0$    | mm INCH  | MM/IN               | 5:1   | METRIC       |                        |
| $\nabla = 0$    | 4 PLACES ± --- ± ---                                 | DRAWN BY DATE       | TITLE<br><b>C GRID III SINGLE ROW CRIMP CONNECTOR HOUSING</b><br>MOLEX INCORPORATED<br>DOCUMENT NO. SDA-90156<br>SHEET NO. 1 OF 1 |              |                        |
|                 | 3 PLACES ± --- ± .004                                | CHECKED BY DATE     |   |              |                        |
|                 | 2 PLACES ± 0.1 ± ---                                 | APPROVED BY DATE    |   |              |                        |
|                 | 1 PLACE ± --- ± ---                                  | JDENNEHY 2004/05/13 |   |              |                        |
|                 | ANGULAR ± 2 °  | MATERIAL NO.        | SEE CHART   |              |                        |
|                 | DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS | SIZE                | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION     |              |                        |