

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: [0901420020](#)
Status: **Active**
Overview: [cgrid_iii](#)
Description: 2.54mm (.100") Pitch C-Grid III™ Crimp Housing - Dual Row, 20 Circuits

Documents:

[3D Model](#) [Product Specification PS-99020-0001 \(PDF\)](#)
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

General

Product Family Crimp Housings
 Series [90142](#)
 Overview [cgrid_iii](#)
 Product Name C-Grid III™

Physical

Breakaway No
 Circuits (maximum) 20
 Color - Resin Black
 Gender Female
 Glow-Wire Compliant No
 Keying to Mating Part None
 Lock to Mating Part Yes
 Material - Resin PPO
 Number of Rows 2
 Packaging Type Bag
 Panel Mount No
 Pitch - Mating Interface (in) 0.100 In
 Pitch - Mating Interface (mm) 2.54 mm
 Pitch - Term. Interface (in) 0.100 In
 Pitch - Term. Interface (mm) 2.54 mm
 Polarized to Mating Part Yes
 Ports 0
 Stackable No
 Temperature Range - Operating -55°C to +105°C

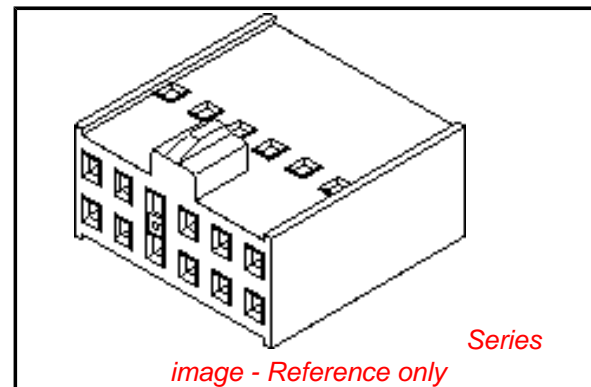
Electrical

Current - Maximum per Contact 3A

Material Info

Reference - Drawing Numbers

Product Specification PS-99020-0001
 Sales Drawing SD-90142



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
 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

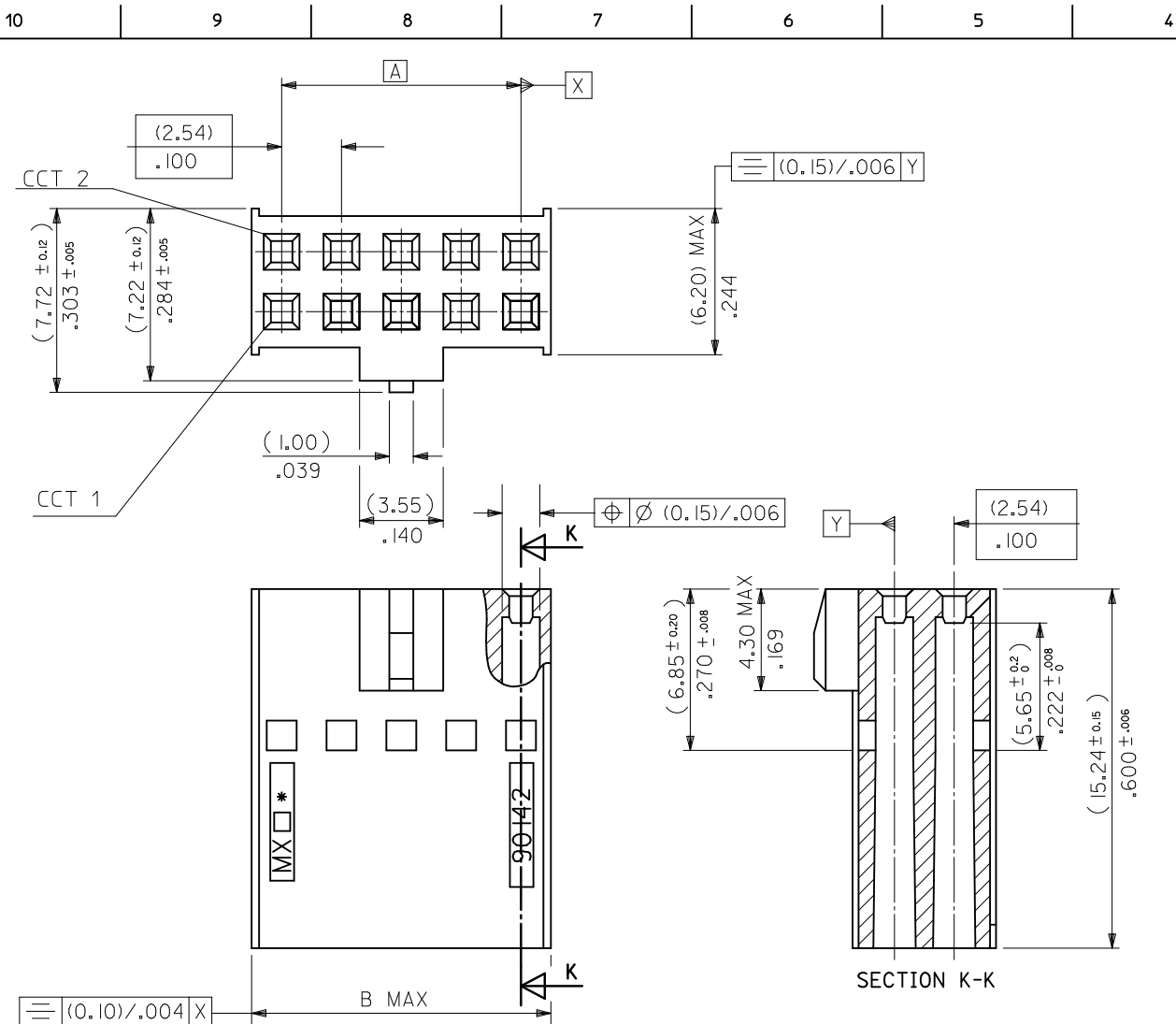
[90142Series](#)

Mates With

C-Grid III™ Header, Dual Row [90122](#) ,
[90130](#) , [90131](#)

Use With

C-Grid III™ Crimp Terminal [90119](#)



| No. OF CKTS | PART NUMBER | DIM A | DIM B |
|-------------|-------------|-----------------|-----------------|
| 6 | 90142-XX06 | (5.08) / .200 | (7.62) / .300 |
| 8 | -XX08 | (7.62) / .300 | (10.16) / .400 |
| 10 | -XX10 | (10.16) / .400 | (12.70) / .500 |
| 12 | -XX12 | (12.70) / .500 | (15.24) / .600 |
| 14 | -XX14 | (15.24) / .600 | (17.78) / .700 |
| 16 | -XX16 | (17.78) / .700 | (20.32) / .800 |
| 18 | -XX18 | (20.32) / .800 | (22.86) / .900 |
| 20 | -XX20 | (22.86) / .900 | (25.40) / 1.000 |
| 22 | -XX22 | (25.40) / 1.000 | (27.94) / 1.100 |
| 24 | -XX24 | (27.94) / 1.100 | (30.48) / 1.200 |
| 26 | -XX26 | (30.48) / 1.200 | (33.02) / 1.300 |
| 28 | -XX28 | (33.02) / 1.300 | (35.56) / 1.400 |
| 30 | -XX30 | (35.56) / 1.400 | (38.10) / 1.500 |
| 32 | -XX32 | (38.10) / 1.500 | (40.64) / 1.600 |
| 34 | -XX34 | (40.64) / 1.600 | (43.18) / 1.700 |
| 36 | -XX36 | (43.18) / 1.700 | (45.72) / 1.800 |
| 38 | -XX38 | (45.72) / 1.800 | (48.26) / 1.900 |
| 40 | -XX40 | (48.26) / 1.900 | (50.80) / 2.000 |
| 42 | -XX42 | (50.80) / 2.000 | (53.34) / 2.100 |
| 44 | -XX44 | (53.34) / 2.100 | (55.88) / 2.200 |
| 46 | -XX46 | (55.88) / 2.200 | (58.42) / 2.300 |
| 48 | -XX48 | (58.42) / 2.300 | (60.96) / 2.400 |
| 50 | -XX50 | (60.96) / 2.400 | (63.50) / 2.500 |
| 52 | -XX52 | (63.50) / 2.500 | (66.04) / 2.600 |
| 54 | -XX54 | (66.04) / 2.600 | (68.58) / 2.700 |
| 56 | -XX56 | (68.58) / 2.700 | (71.12) / 2.800 |
| 58 | -XX58 | (71.12) / 2.800 | (73.66) / 2.900 |
| 60 | -XX60 | (73.66) / 2.900 | (76.20) / 3.000 |
| 62 | -XX62 | (76.20) / 3.000 | (78.74) / 3.100 |
| 64 | -XX64 | (78.74) / 3.100 | (81.28) / 3.200 |

SECTION K-K

NOTES:

- MATERIAL CODE - XX
 00 = STANDARD OPTION - POLYPHENYLENE OXIDE
 UL 94 V1 COLOUR BLACK

 10 = GLOW WIRE OPTION - PBT UL 94 V2 COLOUR NATURAL
 IEC 60695 @ 750° C
- PART NUMBER OPTIONS
 90142 - XX YY
 MATERIAL CODE _____ INDICATES No OF CIRCUITS
 SEE NOTE 1

| | | | | | | | | | | | |
|---|----------------------------|--|-------------|---------------------------------|---------------------------|---|--|------------------------|--|--|--|
| ADD IDENT. MARKING EC NO: S2010-0831 DRWN:SKANG 2010/03/31 CHKD:ATSEE 2010/04/22 APPR:MLONG 2010/04/23 | QUALITY SYMBOLS | GENERAL TOLERANCES (UNLESS SPECIFIED) | | DIMENSION STYLE MM/IN | | SCALE NTS | DESIGN UNITS METRIC | THIRD ANGLE PROJECTION | | | |
| | | | | mm | INCH | DRAWN BY | DATE | TITLE | | | |
| | | 4 PLACES | ± --- | ± --- | KS | 1987/09/08 | C-GRID III DUAL ROW CRIMP CONNECTOR HOUSING | | | | |
| | | 3 PLACES | ± --- | ± --- | CHECKED BY | DATE | | | | | |
| 2 PLACES | ± 0.35 | ± .014 | APPROVED BY | DATE | MOLEX INCORPORATED | | | | | | |
| 1 PLACE | ± 0.35 | ± .014 | MLONG | 2010/04/22 | | | | | | | |
| ANGULAR ± 1/2° | | DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS | | SEE TABLE | | MATERIAL NO. | | DOCUMENT NO. | | | |
| N1 | | REV | | SIZE A3 | | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION | | | | | |