

**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

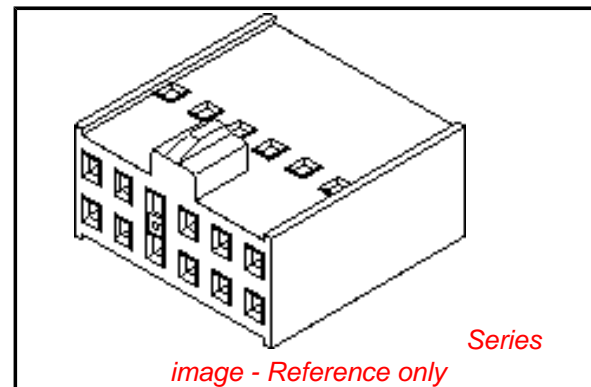
**Electrical**

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](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**

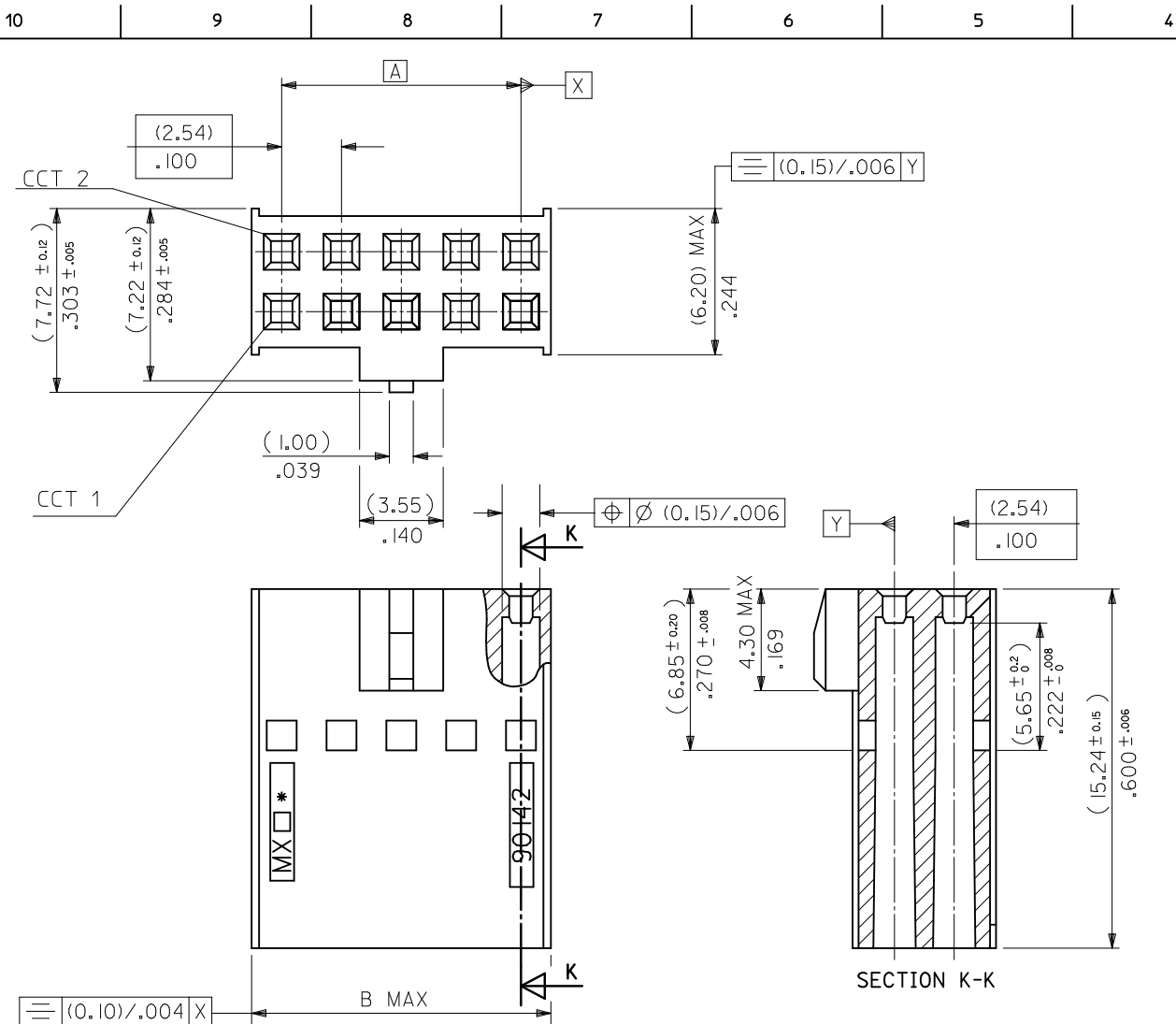
[90142Series](#)

**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

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