

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

**Part Number:** [0901420028](#)  
**Status:** **Active**  
**Overview:** [cgrid\\_iii](#)  
**Description:** 2.54mm (.100") Pitch C-Grid III™ Crimp Housing - Dual Row, 28 Circuits

**Documents:**

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

**General**

Product Family	Crimp Housings
Series	<a href="#">90142</a>
Overview	<a href="#">cgrid_iii</a>
Product Name	C-Grid III™

**Physical**

Breakaway	No
Circuits (maximum)	28
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

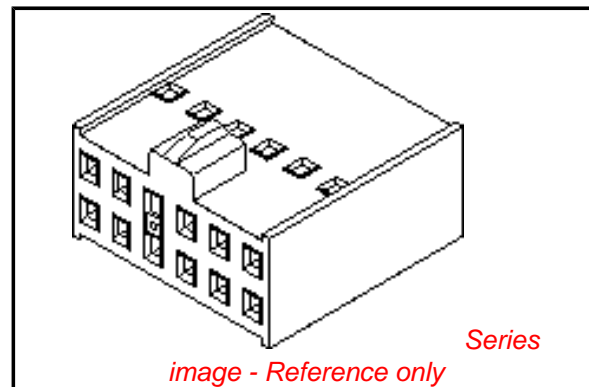
**Electrical**

Current - Maximum per Contact	3A
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**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**

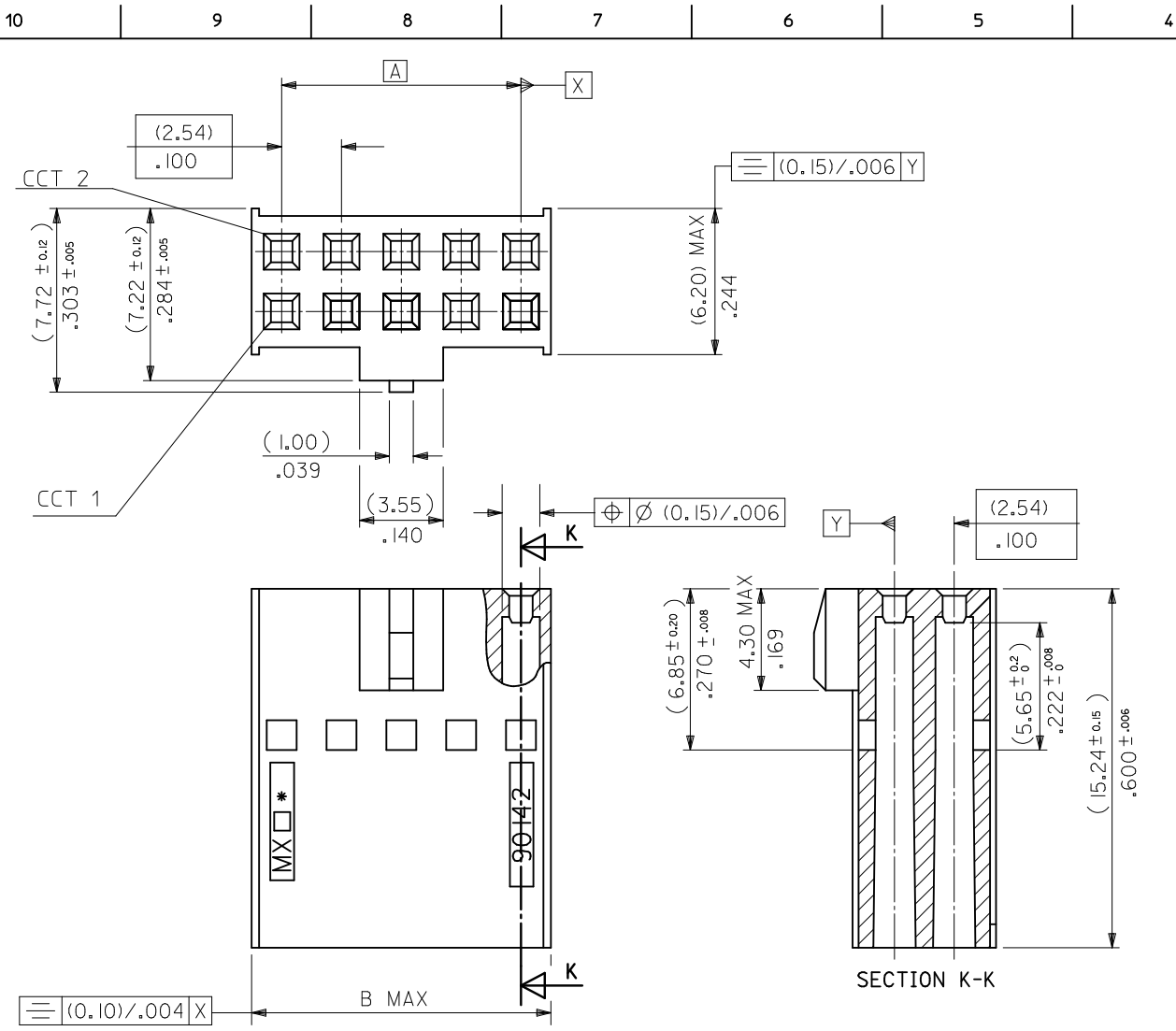
[90142Series](#)

**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> ▽=0 ◻=0	<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°	mm INCH DRAWN BY DATE KS 1987/09/08 CHECKED BY DATE KS 1987/09/08 APPROVED BY DATE MLONG 2010/04/22	TITLE <b>C-GRID III DUAL ROW CRIMP CONNECTOR HOUSING</b>		<b>MOLEX INCORPORATED</b>		MATERIAL NO.	DOCUMENT NO.
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE TABLE		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		SD-90142		1 OF 1	