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Part Number: [0901420016](#)
Status: **Active**
Overview: [cgrid_iii](#)
Description: 2.54mm (.100") Pitch C-Grid III™ Crimp Housing - Dual Row, 16 Circuits

Documents:

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

General

Product Family	Crimp Housings
Series	90142
MolexKits	Yes
Overview	cgrid_iii
Product Name	C-Grid III™

Physical

Breakaway	No
Circuits (maximum)	16
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

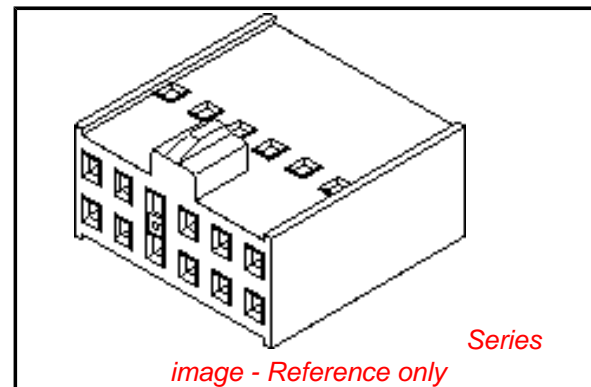
Electrical

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
 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

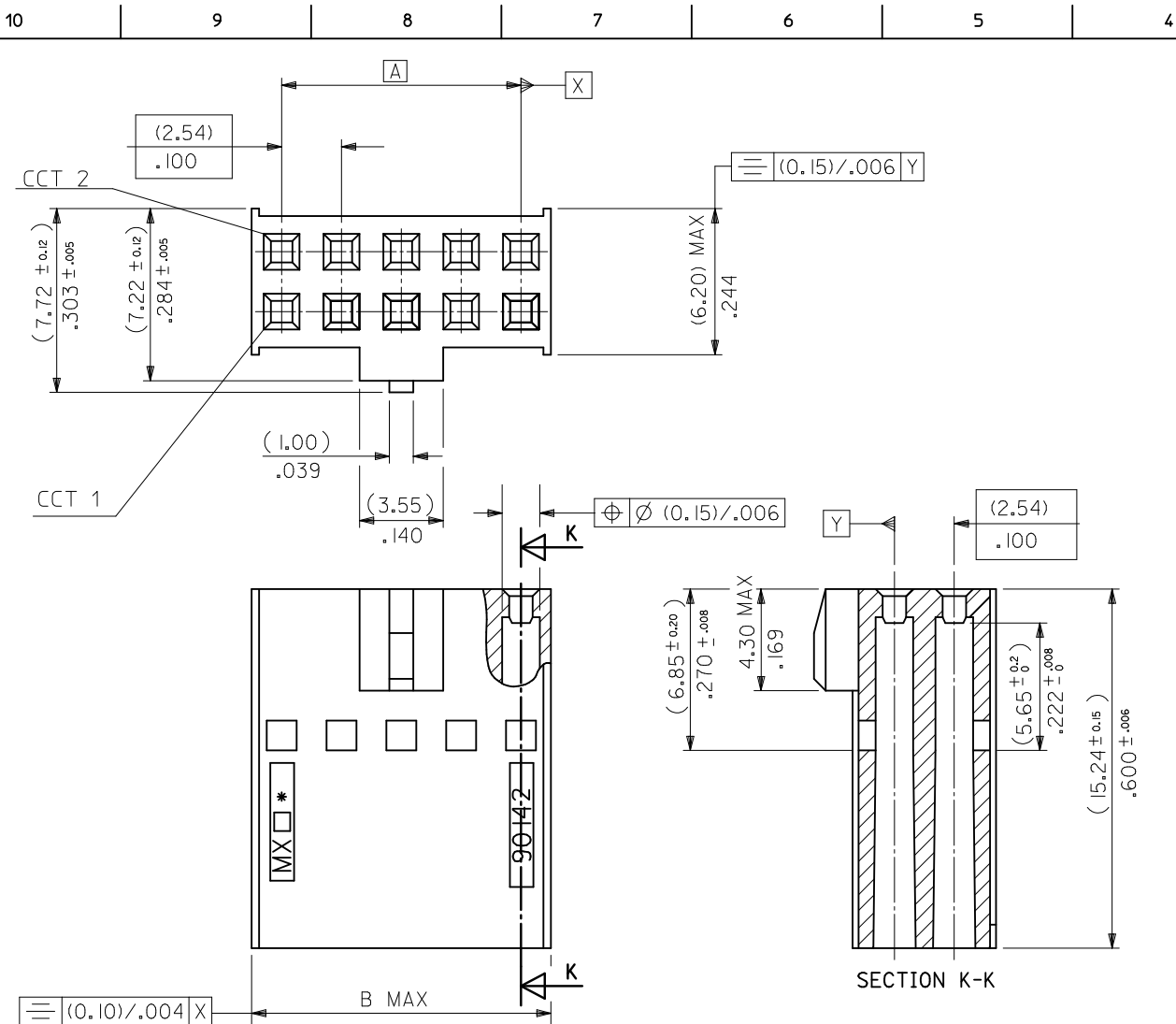
[90142Series](#)

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 ▽=0 ◻=0	GENERAL TOLERANCES (UNLESS SPECIFIED) <table border="1"> <thead> <tr> <th></th> <th>mm</th> <th>INCH</th> </tr> </thead> <tbody> <tr> <td>4 PLACES</td> <td>± ---</td> <td>± ---</td> </tr> <tr> <td>3 PLACES</td> <td>± ---</td> <td>± ---</td> </tr> <tr> <td>2 PLACES</td> <td>± 0.35</td> <td>± .014</td> </tr> <tr> <td>1 PLACE</td> <td>± 0.35</td> <td>± .014</td> </tr> </tbody> </table>		mm	INCH	4 PLACES	± ---	± ---	3 PLACES	± ---	± ---	2 PLACES	± 0.35	± .014	1 PLACE	± 0.35	± .014	DIMENSION STYLE MM/IN	SCALE NTS	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION
		mm	INCH																		
	4 PLACES	± ---	± ---																		
	3 PLACES	± ---	± ---																		
2 PLACES	± 0.35	± .014																			
1 PLACE	± 0.35	± .014																			
DESCRIPTION N1	ANGULAR ± 1/2°	DRAWN BY KS DATE 1987/09/08	CHECKED BY KS DATE 1987/09/08	TITLE C-GRID III DUAL ROW CRIMP CONNECTOR HOUSING																	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	SEE TABLE	APPROVED BY MLONG DATE 2010/04/22	MATERIAL NO.	DOCUMENT NO. SD-90142	SHEET NO. 1 OF 1																
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION																					