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Part Number: [0901420006](#)
Status: **Active**
Overview: [cgrid_iii](#)
Description: 2.54mm (.100") Pitch C-Grid III™ Crimp Housing - Dual Row, 6 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)	6
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

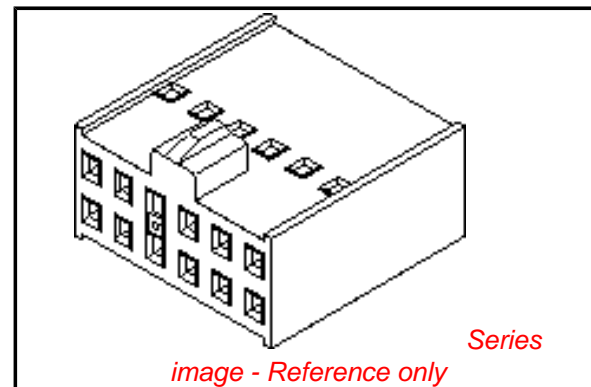
Electrical

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

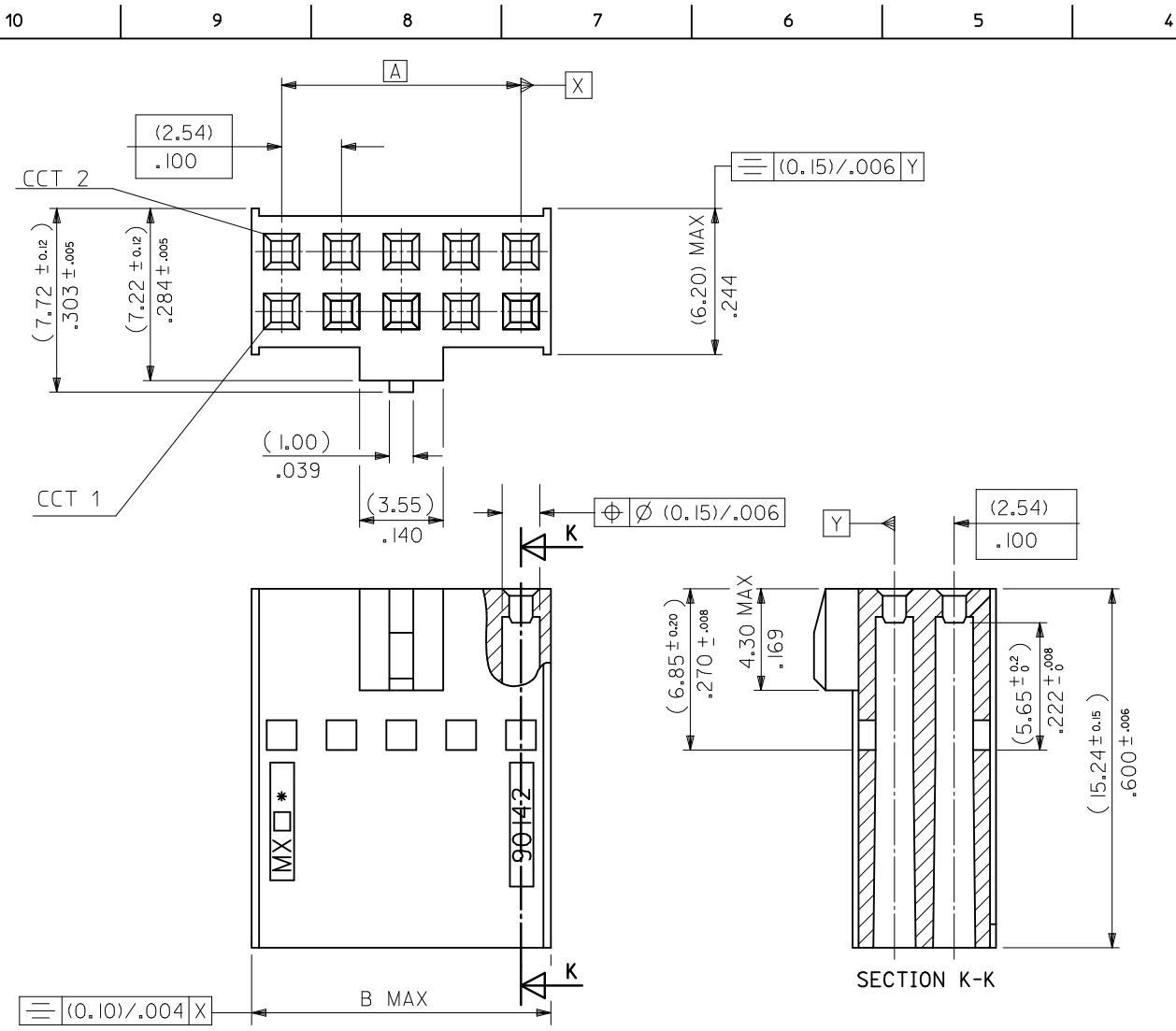
[90142Series](#)

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)		DIMENSION STYLE MM/IN		SCALE NTS	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	
		4 PLACES ± --- ± --- 3 PLACES ± --- ± --- 2 PLACES ± 0.35 ± .014 1 PLACE ± 0.35 ± .014	mm INCH DRAWN BY DATE KS 1987/09/08	TITLE C-GRID III DUAL ROW CRIMP CONNECTOR HOUSING		MATERIAL NO. DOCUMENT NO. 90142 SD-90142		SHEET NO. 1 OF 1	
		ANGULAR ± 1/2°		CHECKED BY DATE KS 1987/09/08		APPROVED BY DATE MLONG 2010/04/22		MOLEX INCORPORATED	
		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		SIZE A3	