

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

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

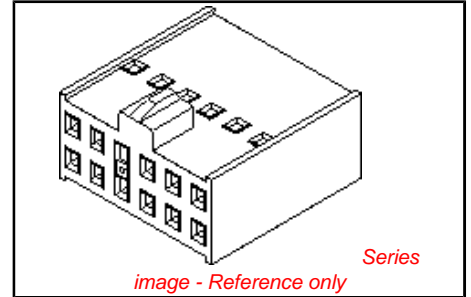
Electrical

Current - Maximum per Contact 3A

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

Halogen-Free

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.

China RoHS



Search Parts in this Series

[90142Series](#)

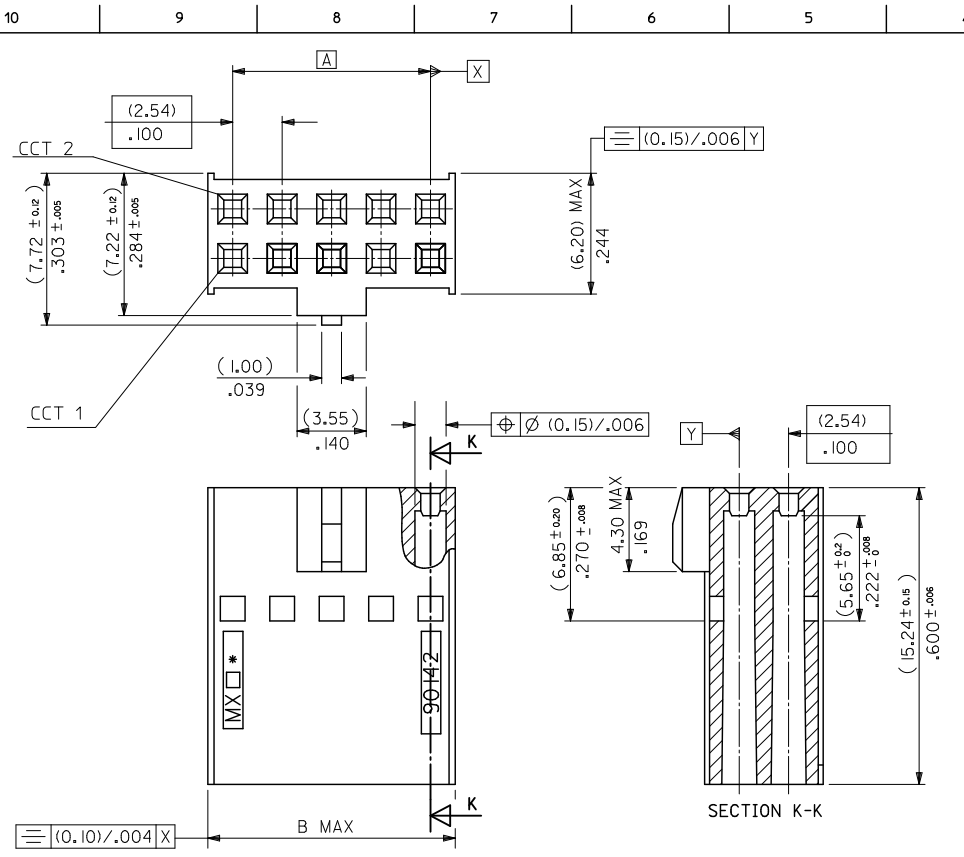
Mates With

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

Use With

C-Grid III™ Crimp Terminal [90119](#)

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION



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

NOTES:

1. 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

2. PART NUMBER OPTIONS
 90142 - XX YY
 MATERIAL CODE _____ INDICATES No OF CIRCUITS
 SEE NOTE 1

ADD IDENT. MARKING
 EC NO: S2010-0831
 DRWNSKANG 2010/03/31
 CHYKATSEE 2010/04/22
 APPR:MLONG 2010/04/22

QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	
	mm	INCH
$\nabla=0$	4 PLACES ± ---	± ---
$\nabla=0$	3 PLACES ± ---	± ---
	2 PLACES ± 0.35	± .014
	1 PLACE ± 0.35	± .014
	ANGULAR ± 1/2°	

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE MM/IN	SCALE NTS	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION
DRAWN BY KS	DATE 1987/09/08	TITLE C-GRID III DUAL ROW CRIMP CONNECTOR HOUSING	
CHECKED BY KS	DATE 1987/09/08	MOLEX INCORPORATED	
APPROVED BY MLONG	DATE 2010/04/22	DOCUMENT NO. SD-90142	SHEET NO. 1 OF 1
MATERIAL NO. SEE TABLE			
SIZE A3 THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			