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Part Number: [0901420010](#)
Status: **Active**
Overview: [cgrid_iii](#)
Description: 2.54mm (.100") Pitch C-Grid III™ Crimp Housing - Dual Row, 10 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™

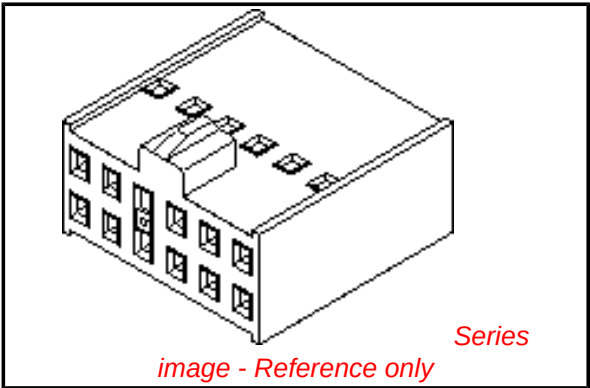
Physical
Breakaway No
Circuits (maximum) 10
Color - Resin Black
Gender Female
Glow-Wire Compliant No
Keying to Mating Part None
Lock to Mating Part Yes
Material - Resin PPO
Number of Rows 2
Packaging Type Bag
Panel Mount No
Pitch - Mating Interface (in) 0.100 In
Pitch - Mating Interface (mm) 2.54 mm
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

Solder Process Data
Duration at Max. Process Temperature (seconds) 2
Max. Cycles at Max. Process Temperature 1
Process Temperature max. C 235

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

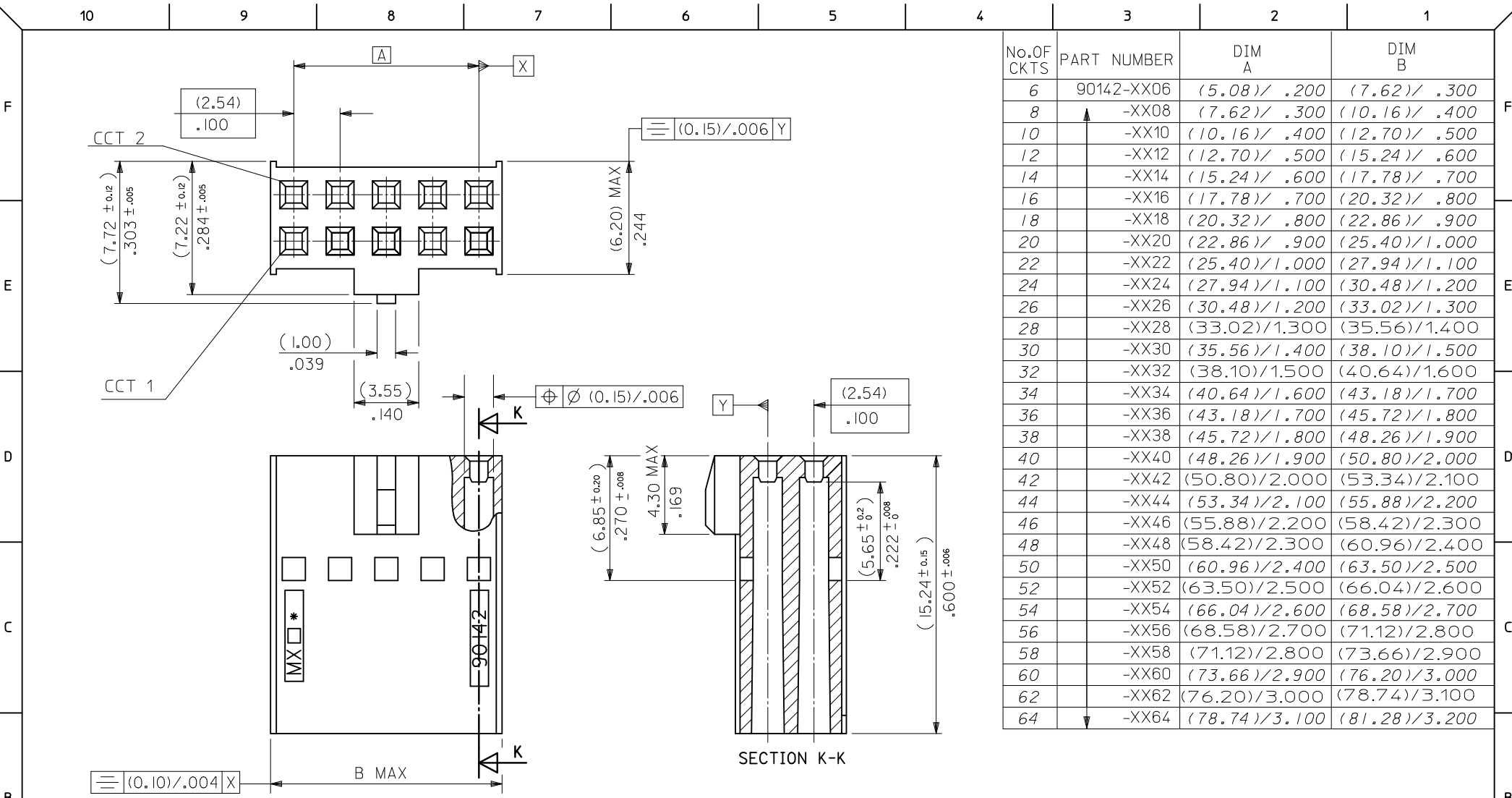


Need more information on product environmental compliance?
Email productcompliance@molex.com
For a multiple part number RoHS Certificate of Compliance, [click here](#)
Please visit the [Contact Us](#) section for any non-product compliance questions.

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

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 DRWN:SKANG CHKD:ATSEE APPR:MLONG 2010/03/31 2010/04/22 2010/04/23	QUALITY SYMBOLS ▽=0 C=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM/IN		SCALE NTS	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		
		4 PLACES	± ---	± ---	DRAWN BY	DATE	TITLE C-GRID III DUAL ROW CRIMP CONNECTOR HOUSING			
		3 PLACES	± ---	± ---	CHECKED BY	DATE				
		2 PLACES	± 0.35	± .014	APPROVED BY	DATE	MOLEX INCORPORATED			
1 PLACE	± 0.35	± .014	MLONG	2010/04/22	SD-90142					
ANGULAR ± 1/2°				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				
SIZE A3										