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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™

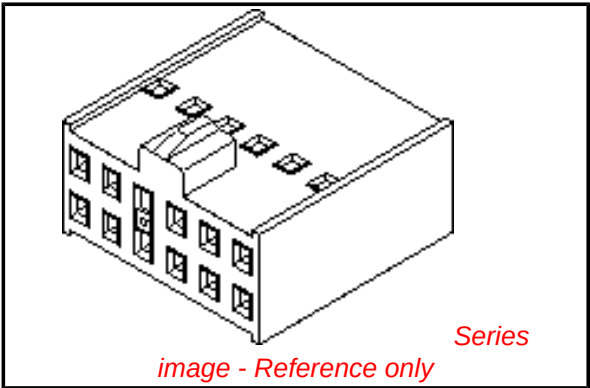
Physical
Breakaway No
Circuits (maximum) 10
Color - Resin Black
Gender Female
Glow-Wire Compliant No
Keying to Mating Part None
Lock to Mating Part Yes
Material - Resin PPO
Number of Rows 2
Packaging Type Bag
Panel Mount No
Pitch - Mating Interface (in) 0.100 In
Pitch - Mating Interface (mm) 2.54 mm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

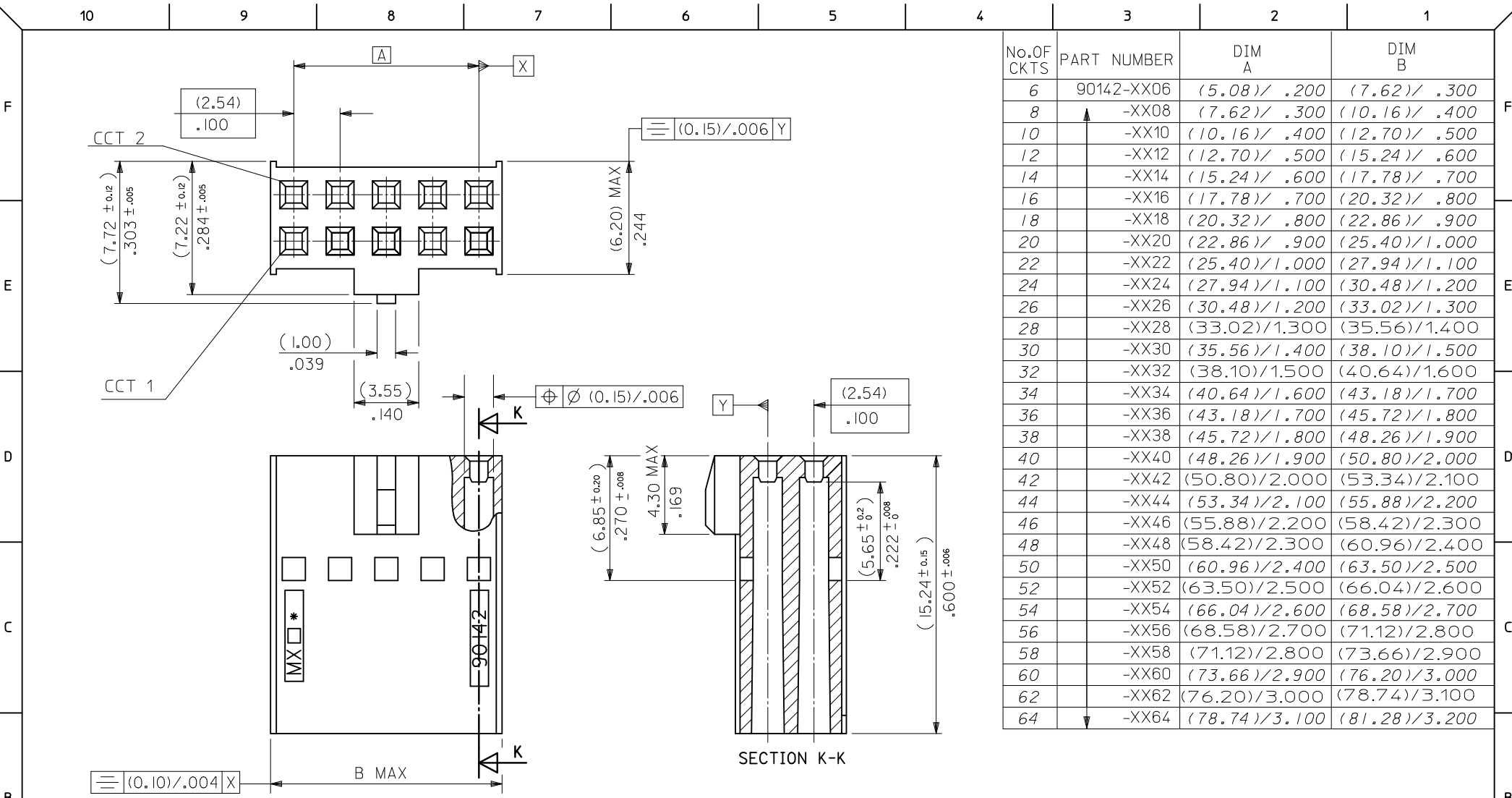


Need more information on product environmental compliance?
Email productcompliance@molex.com
For a multiple part number RoHS Certificate of Compliance, [click here](#)
Please visit the [Contact Us](#) section for any non-product compliance questions.

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
=0

DESCRIPTION
REV

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
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

DRAWN BY
DATE
1987/09/08

CHECKED BY
DATE
1987/09/08

APPROVED BY
DATE
2010/04/22

MATERIAL NO.
SEE TABLE

SIZE
A3

SCALE
NTS

DESIGN UNITS
METRIC

THIRD ANGLE
PROJECTION

C-GRID III DUAL ROW
CRIMP CONNECTOR HOUSING

MOLEX

MOLEX INCORPORATED

DOCUMENT NO.
SD-90142

SHEET NO.
1 OF 1