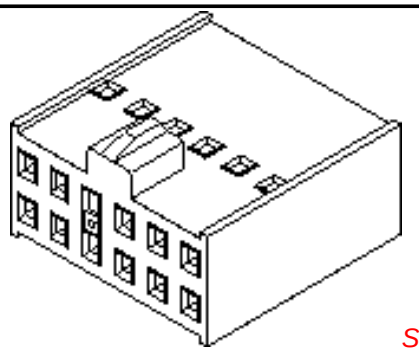
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PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: 0901420050
Status: Active
Overview: cgrid_iii
Description: 2.54mm (.100") Pitch C-Grid III™ Crimp Housing - Dual Row, 50 Circuits



Series image - Reference only

Documents:

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

General

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

Physical

Breakaway	No
Circuits (maximum)	50
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

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.

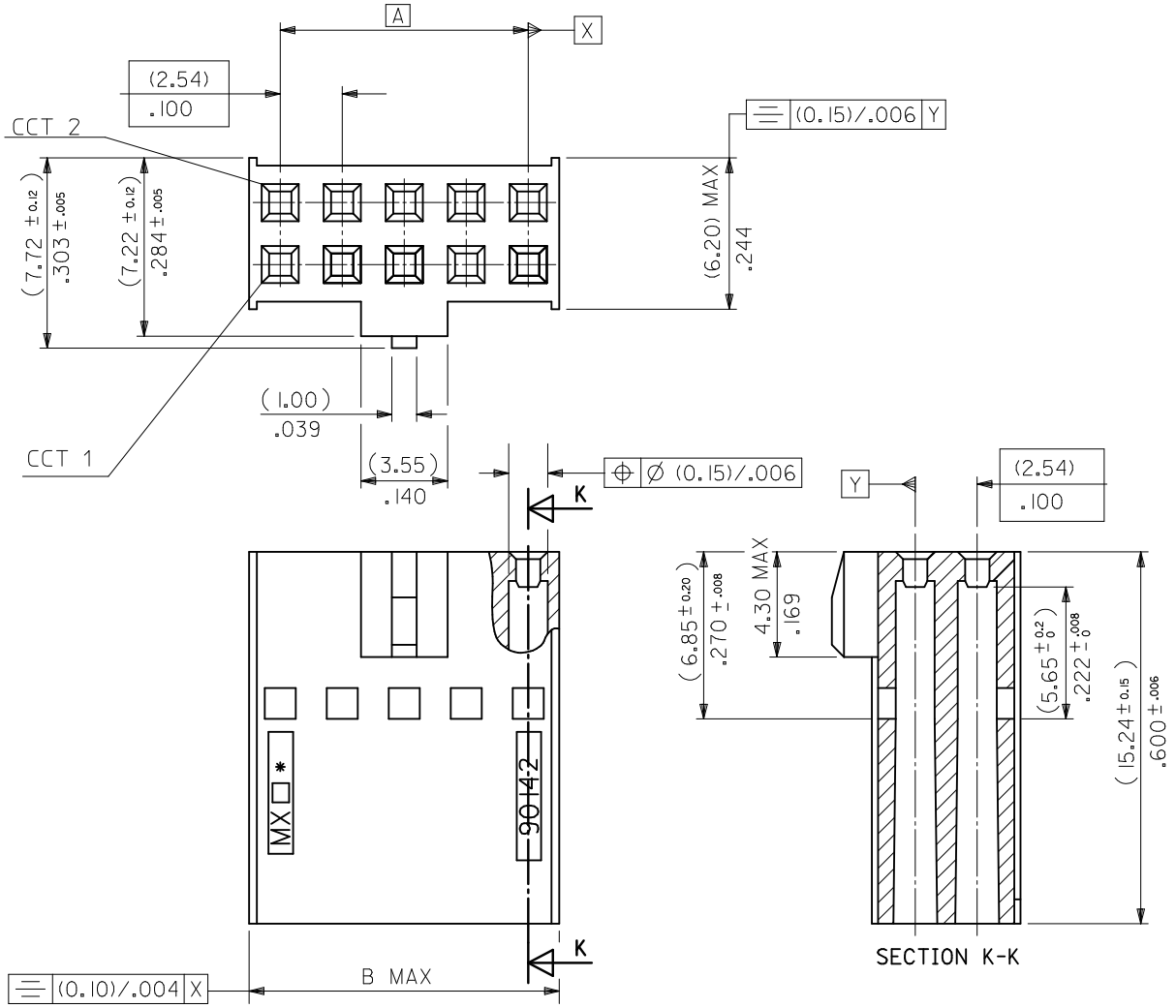
Search Parts in this Series
90142Series

Mates With
C-Grid III™ Header, Dual Row 90122 , 90130 , 90131

Use With
C-Grid III™ Crimp Terminal 90119

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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 — SEE NOTE 1
   INDICATES No OF CIRCUITS

ADD IDENT. MARKING
EC NO: S2010-0831 2010/03/31
DRWN:SKANG 2010/04/22
CH'KD:ATSEE 2010/04/23
APPR:MLONG
DESCRIPTION
N1
REV

QUALITY SYMBOLS
▼=0
Ⓒ▽=0

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
SCALE: NTS
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

DRAWN BY: KS DATE: 1987/09/08
CHECKED BY: KS DATE: 1987/09/08
APPROVED BY: MLONG DATE: 2010/04/22
MATERIAL NO.: SEE TABLE

TITLE: C-GRID III DUAL ROW CRIMP CONNECTOR HOUSING

MOLEX INCORPORATED

DOCUMENT NO.: SD-90142
SHEET NO.: 1 OF 1
SIZE: A3

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