

**PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION**

**Part Number:** [0901560142](#)  
**Status:** **Active**  
**Overview:** [cgrid\\_iii](#)  
**Description:** 2.54mm (.100") Pitch C-Grid III™ Crimp Housing - Single Row, 2 Circuits

**Documents:**

[3D Model](#) [RoHS Certificate of Compliance \(PDF\)](#)  
[Drawing \(PDF\)](#)

**General**

Product Family	Crimp Housings
Series	<a href="#">90156</a>
MolexKits	Yes
Overview	<a href="#">cgrid_iii</a>
Product Name	C-Grid III™

**Physical**

Breakaway	No
Circuits (maximum)	2
Color - Resin	Black
Gender	Female
Glow-Wire Compliant	No
Lock to Mating Part	Yes
Material - Resin	PPO
Number of Rows	1
Packaging Type	Bag
Panel Mount	No
Pitch - Mating Interface (in)	0.100 In
Pitch - Mating Interface (mm)	2.54 mm
Temperature Range - Operating	-55°C to +105°C

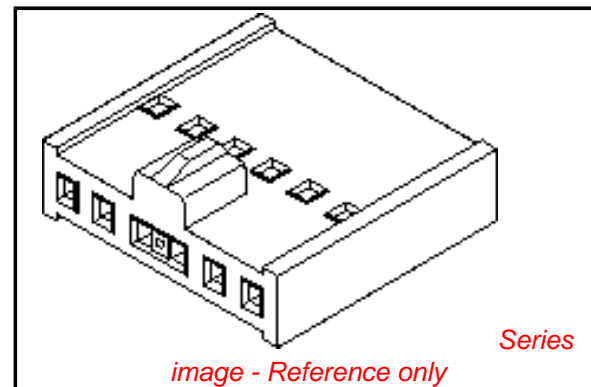
**Electrical**

Current - Maximum per Contact	3A
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**Material Info**

**Reference - Drawing Numbers**

Sales Drawing	SDA-90156
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*image - Reference only*

**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](mailto: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**

[90156Series](#)

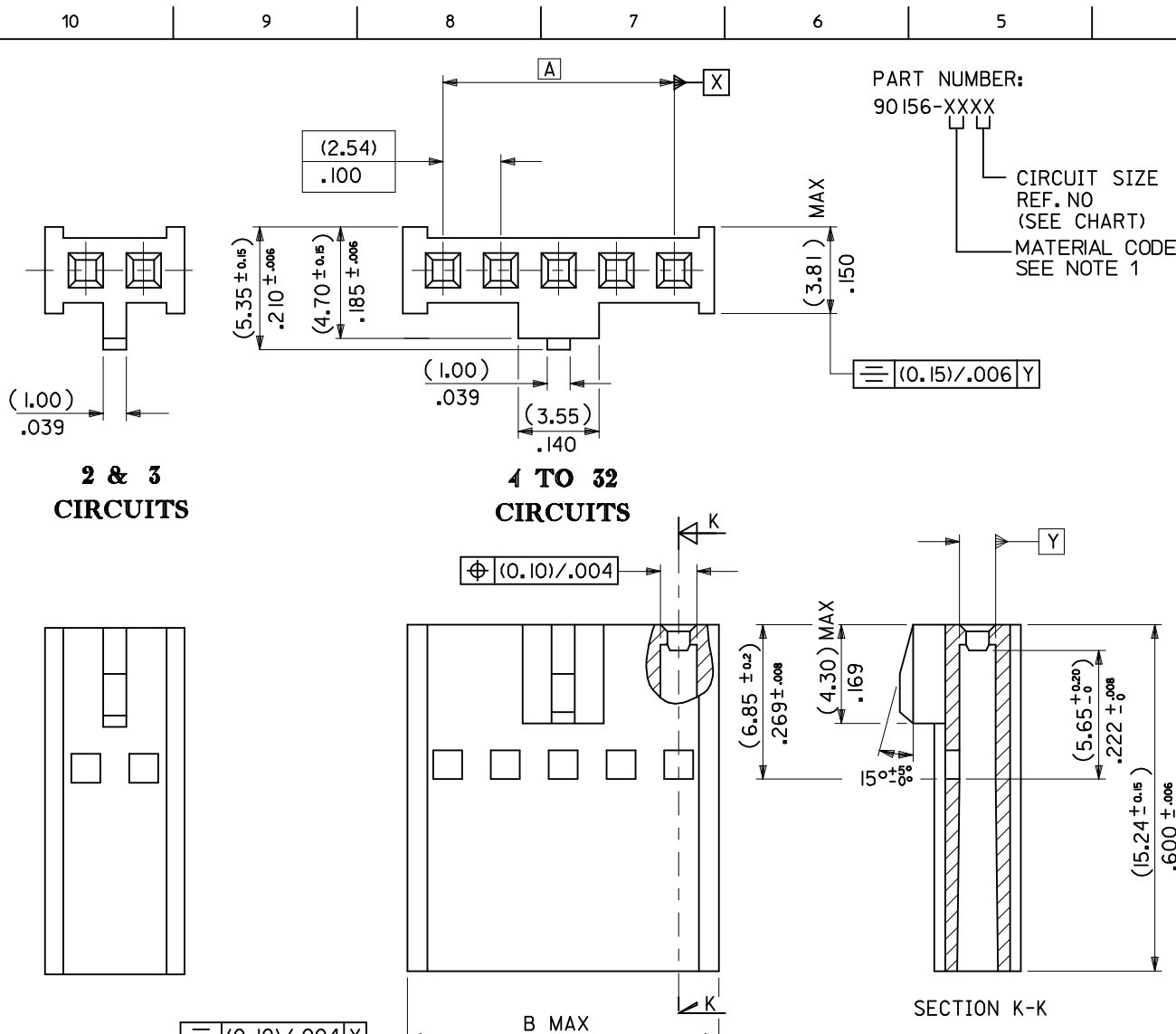
**Mates With**

[90120](#) , [90121](#) , [90136](#)

**Use With**

[90119](#)

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No.OF CKTS	PART NUMBER	DIM A	DIM B
2	90156-XX42	( 2.54 ) / .100	( 6.14 ) / .342
3	-XX43	( 5.08 ) / .200	( 8.68 ) / .342
4	-XX44	( 7.62 ) / .300	(11.22) / .442
5	-XX45	(10.16) / .400	(13.76) / .542
6	-XX46	(12.70) / .500	(16.30) / .642
7	-XX47	(15.24) / .600	(18.84) / .742
8	-XX48	(17.78) / .700	(21.38) / .842
9	-XX49	(20.32) / .800	(23.92) / .942
10	-XX50	(22.86) / .900	(26.46) / 1.042
11			
12	-XX52	(27.94) / 1.100	(31.54) / 1.242
13	-XX53	(30.48) / 1.200	(34.08) / 1.342
14	-XX54	(33.02) / 1.300	(36.62) / 1.442
15	-XX55	(35.56) / 1.400	(39.16) / 1.542
16	-XX56	(38.10) / 1.500	(41.70) / 1.642
17			
18	-XX58	(43.18) / 1.700	(46.78) / 1.842
19			
20	-XX60	(48.26) / 1.900	(51.86) / 2.042
21			
22	-XX62	(53.34) / 2.100	(56.94) / 2.242
23			
24			
25	-XX65	(60.96) / 2.400	(64.56) / 2.542
26			
27			
28			
29			
30	-XX70	(73.66) / 2.900	(77.26) / 3.042
31			
32	90156-XX72	(78.74) / 3.100	(82.34) / 3.242

NOTES:  
 1 MATERIAL CODE XX: 90156 - XX\*\* :  
 01-POLYPHENYLENE OXIDE (PPO) UL 94 V-1 COLOUR BLACK  
 02-POLYPHENYLENE OXIDE (PPO) UL 94 V-1 COLOUR GREY  
 10-GLOW WIRE OPTION POLYESTER (PBT) UL94 V-2 COLOUR NATURAL  
 2. PRODUCT SPECIFICATION: PS-99020-0001

ADDED GWT OPTION  
 EC NO: E2009-0175  
 DRW:BMAGUIRE 2008/09/29  
 CHKD: 2008/09/29  
 APPR:BMAGUIRE 2008/09/30

QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	
	mm	INCH
$\blacktriangledown = 0$	4 PLACES $\pm$ ---	$\pm$ ---
$\triangleleft = 0$	3 PLACES $\pm$ ---	$\pm$ .004
	2 PLACES $\pm$ 0.1	$\pm$ ---
	1 PLACE $\pm$ ---	$\pm$ ---
	ANGULAR $\pm$ 2 °	
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	

DIMENSION STYLE		SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION
MM/IN		5:1	METRIC	
DRAWN BY	DATE	TITLE		
GMCSWEEN	2004/05/07	C GRID III SINGLE ROW CRIMP CONNECTOR HOUSING		
CHECKED BY	DATE	MOLEX INCORPORATED		
JDENNEHY	2004/05/13			
APPROVED BY	DATE	DOCUMENT NO.		
JDENNEHY	2004/05/13	SDA-90156		
MATERIAL NO.	SEE CHART	SHEET NO.		
SIZE	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION	1 OF 1		