

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

**Part Number:** [0901560155](#)  
**Status:** **Active**  
**Overview:** [cgrid\\_iii](#)  
**Description:** 2.54mm (.100") Pitch C-Grid III™ Crimp Housing - Single Row, 15 Circuits

**Documents:**

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

**General**

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

**Physical**

Breakaway	No
Circuits (maximum)	15
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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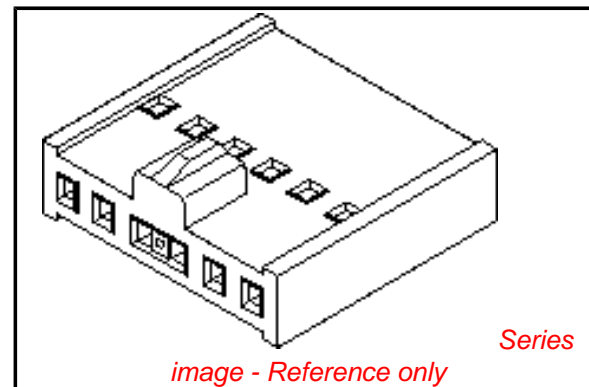
**Solder Process Data**

Duration at Max. Process Temperature (seconds)	2
Max. Cycles at Max. Process Temperature	1
Process Temperature max. C	120

**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**

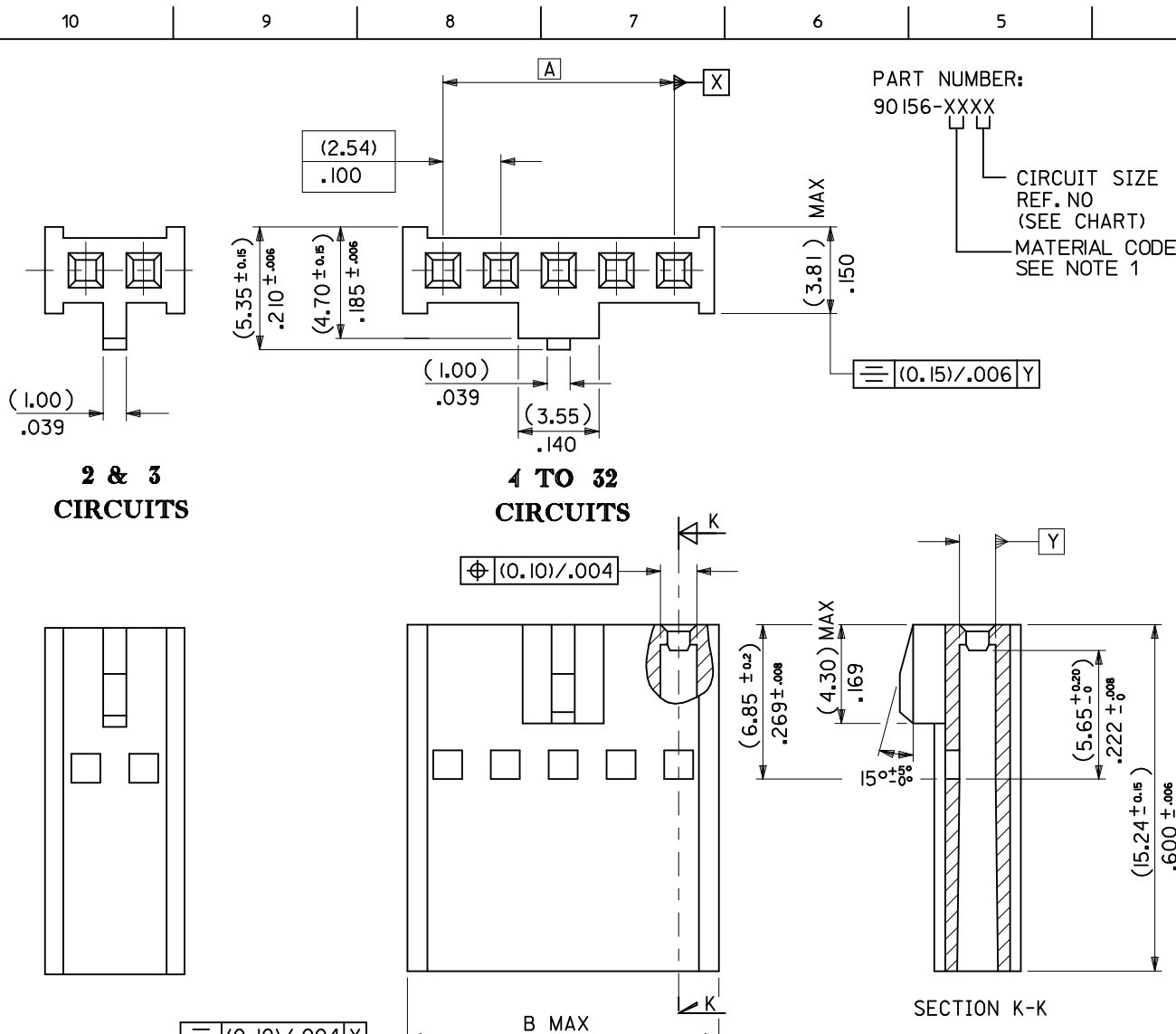
[90156Series](#)

**Mates With**

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

**Use With**

[90119](#)



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
$\nabla = 0$	4 PLACES $\pm$ ---	$\pm$ ---
$\square = 0$	3 PLACES $\pm$ ---	$\pm .004$
	2 PLACES $\pm 0.1$	$\pm$ ---
	1 PLACE $\pm$ ---	$\pm$ ---
	ANGULAR $\pm 2^\circ$	
	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		