

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

**Part Number:** [0901600140](#)  
**Status:** **Active**  
**Overview:** [cgrid\\_iii](#)  
**Description:** 2.54mm (.100") Pitch C-Grid III™ Crimp Housing - Dual Row, 40 Circuits

**Documents:**

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

**General**

Product Family	Crimp Housings
Series	<a href="#">90160</a>
Overview	<a href="#">cgrid_iii</a>
Product Name	C-Grid III™

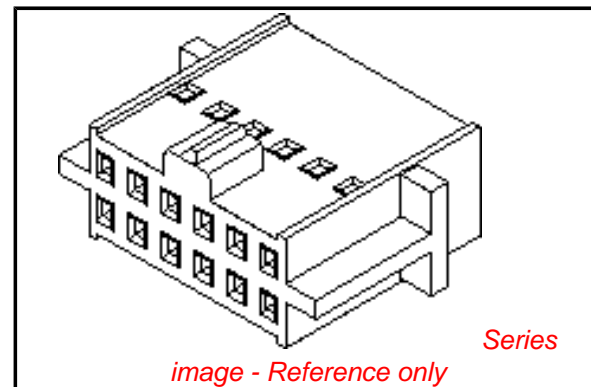
**Physical**

Breakaway	No
Circuits (maximum)	40
Color - Resin	Black
Gender	Female
Glow-Wire Compliant	No
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
Temperature Range - Operating	-55°C to +105°C

**Material Info**

**Reference - Drawing Numbers**

Sales Drawing	SD-90160
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**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**

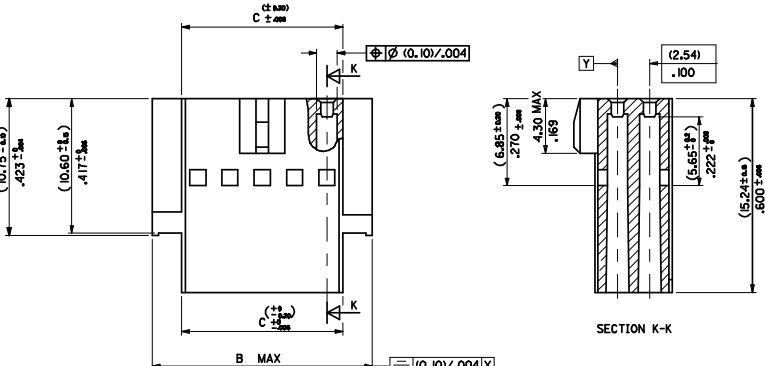
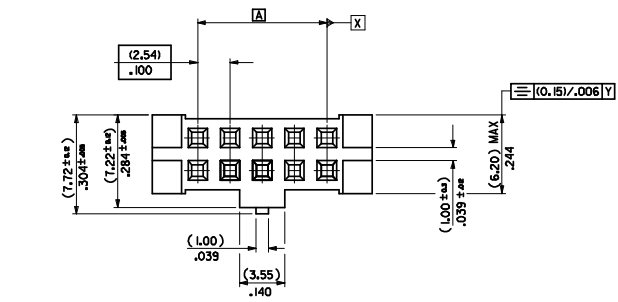
90160Series

**Mates With**

90663 , 90635

**Use With**

90119



No. OF CKTS	PART NUMBER	DIM A	DIM B	DIM C
2				
4				
6				
8	90160-0108	( 7.62 ) / .300	( 14.93 ) / .588	( 10.16 ) / .400
10		( 10.16 ) / .400	( 17.47 ) / .688	( 12.70 ) / .500
12		( 12.70 ) / .500	( 20.01 ) / .788	( 15.24 ) / .600
14		( 15.24 ) / .600	( 22.55 ) / .888	( 17.78 ) / .700
16		( 17.78 ) / .700	( 25.09 ) / .988	( 20.32 ) / .800
18		( 20.32 ) / .800	( 27.63 ) / 1.088	( 22.86 ) / .900
20		( 22.86 ) / .900	( 30.17 ) / 1.188	( 25.40 ) / 1.000
22				
24				
26		( 30.48 ) / 1.200	( 37.79 ) / 1.488	( 33.02 ) / 1.300
28				
30				
32				
34		( 40.64 ) / 1.600	( 47.95 ) / 1.888	( 43.18 ) / 1.700
36				
38				
40		( 48.26 ) / 1.900	( 55.57 ) / 2.188	( 50.80 ) / 2.000
42				
44				
46				
48				
50		( 60.96 ) / 2.400	( 68.27 ) / 2.688	( 63.50 ) / 2.500
52				
54				
56				
58				
60		( 73.66 ) / 2.900	( 80.97 ) / 3.188	( 76.20 ) / 3.000
62				
64	90160-0164	( 78.74 ) / 3.100	( 86.05 ) / 3.388	( 81.28 ) / 3.200
66				
68				

SEE CHART  
SD-90160

NOTES  
 1. MATERIAL:-  
 - POLYPHENYLENE OXIDE  
 - UL 94 V-1 COLOUR BLACK  
 90160 - 0 1 X X  
 X INDICATES No OF CIRCUITS  
 2. PRODUCT SPECIFICATION: PS-99020-0001

<b>ADDED NOTE 2</b> EC NO: E2008-0466 DRAWN BY: TDRANKI LERMAN 2008/03/12 CHECKED BY: CHIKO BHAGUIRE 2008/03/18 APPROVED BY: APPR: BHAGUIRE 2008/03/18	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE	SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION	
	▽=0	4 PLACES ± --- ±	MM ONLY	5:1	METRIC	⊙	
	▽=0.004	3 PLACES ± --- ±.004	DRAWN BY DATE	TITLE			
	▽=0.10	2 PLACES ± 0.10 ± ---	CHECKED BY DATE	C GRID III DUAL ROW CRIMP CONNECTOR HOUSING			
▽=0	1 PLACE ± --- ± ---	APPROVED BY DATE	MOLEX INCORPORATED				
ANGULAR ± 2 °		MATERIAL NO.		DOCUMENT NO.		SHEET NO.	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE CHART		SD-90160		1 OF 00	
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION							

SHT. 1 OF		MRI-SD-90160			
MODIFICATION RECORD INDEX					
ERD	ECO	ISS. DATE	INIT.	SHTS. AFFECTED	DESCRIPTION OF MOD.
599	I	22.6.83	MRS		X - RELEASE
651		28.7.83	MRS		REVISION
686	A	6.9.83	MD		TOOL RELEASE
	877	B 3.4.87	KS		REVISION
	977	C 21.10.87	KS		DRAWN ON CAD
	E2012	D 11.02.92	TC		REMOVAL OF WINDOWS
ECN	ISS. DATE	INIT.	SHTS. AFFECTED	DESCRIPTION OF MOD.	
E30146	E	93.02.22	BGB	I	OMMITTED RETOOL MODS

MOLEX EUROPE		REVISE ONLY ON CAD SYSTEM	
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INC. & SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		COORD FILENAME	ISSUE
		SD90160X1 .DGN	E

LEVEL CHART

1	17	33	49
2	18	34	50
3	19	35	51 LEVEL INDEX
4	20 DATASHEET	36	52 RESERVED
5	21	37	53 RESERVED
6	22	38	54 RESERVED
7	23	39	55 DIMENSIONS
8	24	40	56 TABLES/CHARTS
9	25	41	57 REVISION TEXT & MR
10	26	42	58 NOTES/TEXT
11 GEOMETRY	27	43	59
12	28	44	60 RESERVED
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15 XHATCH	31	47	63
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