

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0901209924

Status:

Active

Overview:

cgrid_iii

Description:

2.54mm (.100") Pitch C-Grid III™ Header, Single Row, Vertical, 4 Circuits, 0.76μm (30μ") Gold (Au) Selective Plating

Documents:

Drawing (PDF)

RoHS Certificate of Compliance (PDF)

General	
Product Family	PCB Headers
Series	90120
Application	Wire-to-Board
Overview	cgrid_iii
Product Name	C-Grid III™
Physical	
Breakaway	Yes
Circuits (Loaded)	4
Circuits (maximum)	4
Color - Resin	Black
Durability (mating cycles max)	500
First Mate / Last Break	No
Glow-Wire Compliant	No
Guide to Mating Part	No
Keying to Mating Part	None
Lock to Mating Part	None
Material - Metal	Brass
Material - Plating Mating	Gold
Material - Resin	Polyester
Number of Rows	1
Orientation	Vertical
PC Tail Length (in)	0.114 In
PC Tail Length (mm)	2.90 mm
PCB Locator	No
PCB Retention	None
PCB Thickness Recommended (in)	0.063 In
PCB Thickness Recommended (mm)	1.60 mm
Packaging Type	Bag
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	No
Polarized to PCB	No
Shrouded	No
Stackable	Yes
Surface Mount Compatible (SMC)	No
Temperature Range - Operating	-55°C to +125°C
Termination Interface: Style	Through Hole

Electrical	
Current - Maximum per Contact	3A
Voltage - Maximum	350V AC/DC

Solder Process Data

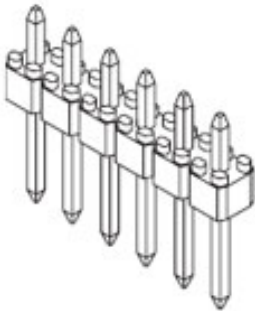


image - Reference only

Series

EU RoHS

ELV and RoHS

Compliant

REACH SVHC

Not Reviewed

Halogen-Free

Status

Not Reviewed

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

90120Series

Mates With

90147 C-Grid® PC Board Connector. 90123 C-Grid III™ Modular Crimp Housing

Duration at Max. Process Temperature (seconds)	10
Lead-free Process Capability	Wave Capable (TH only)
Max. Cycles at Max. Process Temperature	1
Process Temperature max. C	260

Material Info

Reference - Drawing Numbers

Sales Drawing	SDA-90120
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This document was generated on 05/26/2010

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SIZE	D
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DIM
D (± 0.25)
 $\pm .010$
(4.50)
.177

SDA-90121

DIM
D (± 0.25)
 $\pm .010$
(4.50)
.177

CIRCUIT SIZE	PLATING TYPE B	PLATING TYPE C	PLATING TYPE D	PLATING TYPE G
	PART NO.	PART NO.	PART NO.	PART NO.
I X 1	90121-0241	90121-0401	90121-0561	90121-1041
I X 2	▲ -0242	▲ -0402	▲ -0562	▲ -1042
I X 3	-0243	-0403	-0563	-1043
I X 4	-0244	-0404	-0564	-1044
I X 5	-0245	-0405	-0565	-1045
I X 6	-0246	-0406	-0566	-1046
I X 7	-0247	-0407	-0567	-1047
I X 8	-0248	-0408	-0568	-1048
I X 9	-0249	-0409	-0569	-1049
I X 10	-0250	-0410	-0570	-1050
I X 11	-0251	-0411	-0571	-1051
I X 12	-0252	-0412	-0572	-1052
I X 13	-0253	-0413	-0573	-1053
I X 14	-0254	-0414	-0574	-1054
I X 15	-0255	-0415	-0575	-1055
I X 16	-0256	-0416	-0576	-1056
I X 17	-0257	-0417	-0577	-1057
I X 18	-0258	-0418	-0578	-1058
I X 19	-0259	-0419	-0579	-1059
I X 20	-0260	-0420	-0580	-1060
I X 21	-0261	-0421	-0581	-1061
I X 22	-0262	-0422	-0582	-1062
I X 23	-0263	-0423	-0583	-1063
I X 24	-0264	-0424	-0584	-1064
I X 25	-0265	-0425	-0585	-1065
I X 26	-0266	-0426	-0586	-1066
I X 27	-0267	-0427	-0587	-1067
I X 28	-0268	-0428	-0588	-1068
I X 29	-0269	-0429	-0589	-1069
I X 30	-0270	-0430	-0590	-1070
I X 31	-0271	-0431	-0591	-1071
I X 32	-0272	-0432	-0592	-1072
I X 33	-0273	-0433	-0593	-1073
I X 34	-0274	-0434	-0594	-1074
I X 35	-0275	-0435	-0595	-1075
I X 36	-0276	-0436	-0596	-1076
I X 37	-0277	-0437	-0597	-1077
I X 38	-0278	-0438	-0598	-1078
I X 39	▼ -0279	▼ -0439	▼ -0599	▼ -1079
I X 40	90121-0280	90121-0440	90121-0600	90121-1080

**NON-STANDARD PRODUCTS
NOT FOR GENERAL RELEASE**

E SHEET 1.

REVISIONS

DIMENSIONS SHOWN (METRIC) INCH			
UNLESS OTHERWISE SPECIFIED TOLERANCES: ANGULAR $\pm \frac{1}{2}^\circ$			
INCH		(METRIC)	
3 PLACE	$\pm$. ---		
2 PLACE	$\pm$. ---	$\pm$ ---	
1 PLACE		$\pm$ ---	

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DESIGN DIMENSION (PRIMARY)	☒ (MM) ☐ IN.
EQUIVALENT DIMENSION (SECONDARY)	☐ (MM) ☒ IN.

SCALE

REVISE ONLY ON CAD SYSTEM		SH.	REV.
CAD/CAM FILE NAME SA9012 I X6 DGN	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INC. & SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		
TITLE C-GRID III SINGLE ROW RIGHT ANGLE HEADER			
 MOLEX EUROPE		SHEET NO. 60F	DATE 16/ 7/87
PART NO. SEE CHART	DWG NO. SDA-9012 I	SIZE B	

7132-1283