

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

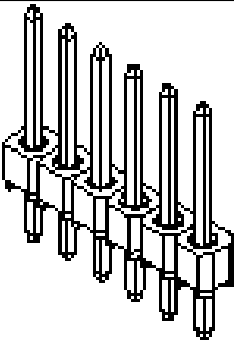
Part Number: [0906270145](#)
Status: **Active**
Overview: [cgrid_iii](#)
Description: 2.54mm (.100") Pitch C-Grid III™ Header, Single Row, Vertical, with Kinked PC Tail, 25 Circuits, Tin (Sn) Plating

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

General
Product Family PCB Headers
Series [90627](#)
Application Wire-to-Board
Overview [cgrid_iii](#)
Product Name C-Grid III™

Physical
Breakaway Yes
Circuits (Loaded) 25
Circuits (maximum) 25
Color - Resin Black
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 Tin
Material - Plating Termination Tin
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 Yes
PCB Thickness Recommended (in) 0.061 In
PCB Thickness Recommended (mm) 1.50 mm
Packaging Type Bag
Pitch - Mating Interface (in) 0.100 In
Pitch - Mating Interface (mm) 2.54 mm
Plating min: Mating (µin) 120
Plating min: Mating (µm) 3
Plating min: Termination (µin) 120
Plating min: Termination (µm) 3
Polarized to Mating Part No
Polarized to PCB No
Shrouded No
Stackable No
Temperature Range - Operating -55°C to +125°C
Termination Interface: Style Through Hole

Electrical
Current - Maximum per Contact 3A
Voltage - Maximum 350V



Series
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
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
[90627Series](#)

Material Info

Reference - Drawing Numbers

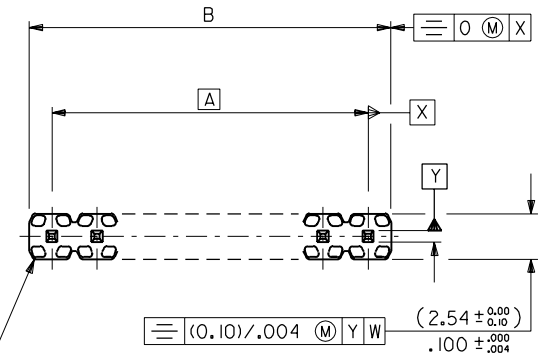
Sales Drawing

SDA-90627

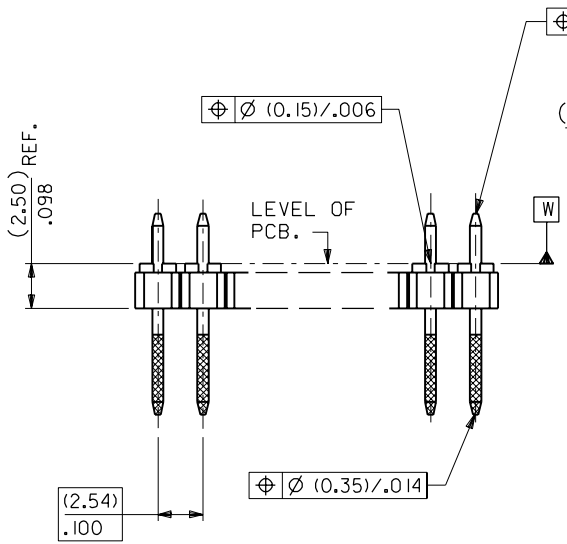
This document was generated on 05/26/2010

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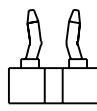
SEE CHART
SDA-90627



WAFER: 15% G.F. POLYESTER
TO UL 94V-0.
COLOUR : BLACK.



OPPOSING KINKS
VIEW SHOWS 1 X 2 CCT ONLY

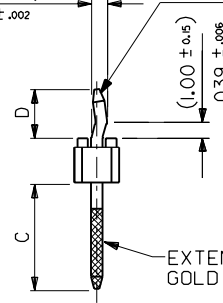


Ø (0.25) / .010

Ø (0.15) / .006

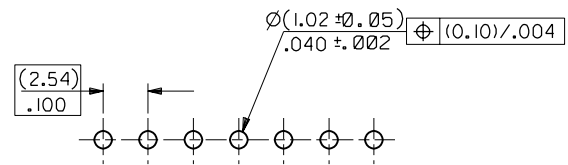
(0.90 ± 0.05)
.035 ± .002

PINS: (0.635) / .025 SQ.
BRASS WIRE.
PLATED AS PER
SUBSEQUENT SHEETS



STRAIGHT PINS
OMITTED FROM VIEW

NOTES
1. FOR ASSY NUMBERS WITH FINISH OPTIONS
AND DIM'S C & D SEE SUBSEQUENT SHEETS.
2. PCB THICKNESS: (1.37-1.80) / .054-.071.



RECOMMENDED P.C. BOARD HOLE PATTERN

FOR PREVIOUS
DRAWING ISSUES
SEE MRI.

NEW RELEASE ECN E00166 10 SEPTEMBER 1990 RD	REVISIONS	DIMENSIONS SHOWN (METRIC) INCH	
		UNLESS OTHERWISE SPECIFIED TOLERANCES: ANGULAR ± 1°	
B	LTR	INCH	(METRIC)
		3 PLACE ± .004	± .10
		2 PLACE ± .004	± .10
		1 PLACE ± .004	± .25
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	
		DESIGN DIMENSION (PRIMARY) □ (MM) □ IN.	
		EQUIVALENT DIMENSION (SECONDARY) □ (MM) □ IN.	
		□ (MM) □ IN.	

DRWG BY
RD
CHK'D BY
APP'D BY
SCALE
4:1

REVISE ONLY ON CAD SYSTEM		2	B
CAD/CAM FILENAME SA90627X1 DCN		1	B
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INC. & SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		SH.	REV.
TITLE C-GRID III SINGLE ROW KINKED PIN HEADER			
MOLEX EUROPE		SHEET NO. 10F2	DATE 90/11/28
PART NO. SEE CHART	DWG NO. SDA-90627	SIZE B	

	10	9	8	7	6	5	4	3	2	1																																																																																																																																																																																																																						
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		A	NOTES: 1. SEE SHEET 1 FOR KINK DETAIL. 2. FOR PLATING VARIATIONS SEE ENG.STD. SDES-99000-0003. FOR PREVIOUS DRAWING ISSUES SEE MRI. SEE SHEET 1. <table><tr><td rowspan="2">LTR</td><td rowspan="2">REVISIONS</td><td colspan="2">DIMENSIONS SHOWN (METRIC) INCH</td><td rowspan="2">DRWG BY RD</td></tr><tr><td colspan="2">UNLESS OTHERWISE SPECIFIED TOLERANCES: ANGULAR ± 1/2°</td></tr><tr><td></td><td></td><td colspan="2"><table><tr><td>3 PLACE ±</td><td>•</td><td>±</td></tr><tr><td>2 PLACE ±</td><td>•</td><td>±</td></tr><tr><td>1 PLACE ±</td><td>•</td><td>±</td></tr></table></td><td></td></tr><tr><td></td><td></td><td colspan="2">DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS</td></tr><tr><td></td><td></td><td>DESIGN DIMENSION (PRIMARY)</td><td>☒ (MM) ☐ IN.</td></tr><tr><td></td><td></td><td>EQUIVALENT DIMENSION (SECONDARY)</td><td>☐ (MM) ☒ IN.</td></tr></table> <table><tr><td colspan="2">REVISE ONLY ON CAD SYSTEM</td><td>SHL</td><td>REV.</td></tr><tr><td colspan="2">CAD/CAM FILENAME SA90627X2 DGN</td><td colspan="2">THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INC. & SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION</td></tr><tr><td colspan="4">TITLE C-GRID III SINGLE ROW KINKED PIN HEADER</td></tr><tr><td colspan="2">MOLEX EUROPE</td><td>SHEET NO. 20F</td><td>DATE 90/08/11</td></tr><tr><td>PART NO. SEE CHART</td><td>DWG NO. SDA-90627</td><td colspan="2">SIZE B</td></tr></table>										LTR	REVISIONS	DIMENSIONS SHOWN (METRIC) INCH		DRWG BY RD	UNLESS OTHERWISE SPECIFIED TOLERANCES: ANGULAR ± 1/2°				<table><tr><td>3 PLACE ±</td><td>•</td><td>±</td></tr><tr><td>2 PLACE ±</td><td>•</td><td>±</td></tr><tr><td>1 PLACE ±</td><td>•</td><td>±</td></tr></table>		3 PLACE ±	•	±	2 PLACE ±	•	±	1 PLACE ±	•	±				DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				DESIGN DIMENSION (PRIMARY)	☒ (MM) ☐ IN.			EQUIVALENT DIMENSION (SECONDARY)	☐ (MM) ☒ IN.	REVISE ONLY ON CAD SYSTEM		SHL	REV.	CAD/CAM FILENAME SA90627X2 DGN		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INC. & SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		TITLE C-GRID III SINGLE ROW KINKED PIN HEADER				MOLEX EUROPE		SHEET NO. 20F	DATE 90/08/11	PART NO. SEE CHART	DWG NO. SDA-90627	SIZE B																																																																																																																																																																
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