

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0901200131

Status:

Active

Overview:

cgrid\_iii

Description:

2.54mm (.100") Pitch C-Grid III™ Header, Single Row, Vertical, 11 Circuits, Tin (Sn) Plating

Documents:

3D Model

Drawing (PDF)

RoHS Certificate of Compliance (PDF)

General

Product Family

Series

Application

Overview

Product Name

PCB Headers

90120

Wire-to-Board

cgrid\_iii

C-Grid III™

Physical

Breakaway

Circuits (Loaded)

Circuits (maximum)

Color - Resin

First Mate / Last Break

Glow-Wire Compliant

Guide to Mating Part

Keying to Mating Part

Lock to Mating Part

Material - Metal

Material - Plating Mating

Material - Plating Termination

Material - Resin

Number of Rows

Orientation

PC Tail Length (in)

PC Tail Length (mm)

PCB Locator

PCB Retention

Packaging Type

Pitch - Mating Interface (in)

Pitch - Mating Interface (mm)

Plating min: Mating (µin)

Plating min: Mating (µm)

Polarized to Mating Part

Polarized to PCB

Shrouded

Stackable

Temperature Range - Operating

Termination Interface: Style

Yes

11

11

Black

No

No

No

None

None

Brass

Tin

Tin

Polyester

1

Vertical

0.114 In

2.90 mm

No

None

Bag

0.100 In

2.54 mm

160

4.00

No

No

No

No

-55°C to +125°C

Through Hole

Electrical

Current - Maximum per Contact

Voltage - Maximum

3A

350V

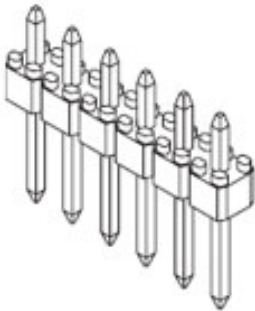
Solder Process Data

Duration at Max. Process Temperature (seconds)

Lead-free Process Capability

5

Wave Capable (TH only)



Series

image - Reference only

EU RoHS

ELV and RoHS

Compliant

REACH SVHC

Contains SVHC: No

Halogen-Free

Status

Not Reviewed

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

90120Series

Mates With

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

|                                         |     |
|-----------------------------------------|-----|
| Max. Cycles at Max. Process Temperature | 1   |
| Process Temperature max. C              | 260 |

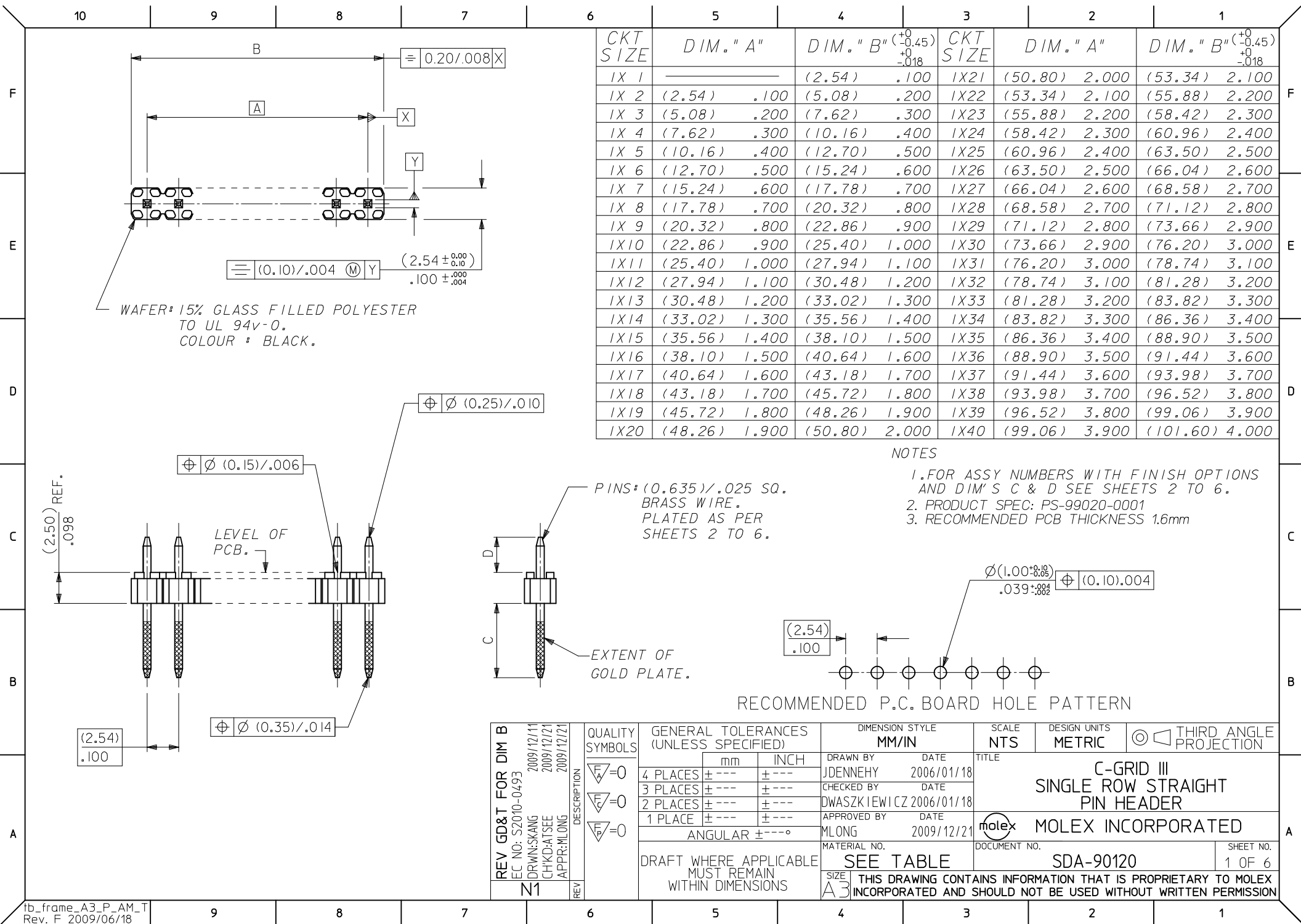
**Material Info**

**Reference - Drawing Numbers**

|               |           |
|---------------|-----------|
| Sales Drawing | SDA-90120 |
|---------------|-----------|

This document was generated on 05/26/2010

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|                                                                                                                                                                                                                                    |                                                                  |                |                               |                |                               |                |                               |            |   |   |  |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------|----------------|-------------------------------|----------------|-------------------------------|----------------|-------------------------------|------------|---|---|--|
|                                                                                                                                                                                                                                    | 10                                                               | 9              | 8                             | 7              | 6                             | 5              | 4                             | 3          | 2 | 1 |  |
| F                                                                                                                                                                                                                                  | CIRCUIT<br>SIZE                                                  | PLATING TYPE A |                               | PLATING TYPE E |                               | PLATING TYPE F |                               |            |   |   |  |
|                                                                                                                                                                                                                                    |                                                                  | PART NO.       | CUSTOMER SPECIFIC<br>PART NO. | PART NO.       | CUSTOMER SPECIFIC<br>PART NO. | PART NO.       | CUSTOMER SPECIFIC<br>PART NO. |            |   |   |  |
|                                                                                                                                                                                                                                    |                                                                  | I X 1          | 90120-0121                    | 90120-9121     | 90120-0761                    | 90120-9761     | 90120-0921                    | 90120-9921 |   |   |  |
|                                                                                                                                                                                                                                    |                                                                  | I X 2          | ↑ -0122                       | ↑ -9122        | ↑ -0762                       | ↑ -9762        | ↑ -0922                       | ↑ -9922    |   |   |  |
|                                                                                                                                                                                                                                    |                                                                  | I X 3          | ↑ -0123                       | ↑ -9123        | ↑ -0763                       | ↑ -9763        | ↑ -0923                       | ↑ -9923    |   |   |  |
|                                                                                                                                                                                                                                    |                                                                  | I X 4          | ↑ -0124                       | ↑ -9124        | ↑ -0764                       | ↑ -9764        | ↑ -0924                       | ↑ -9924    |   |   |  |
|                                                                                                                                                                                                                                    |                                                                  | I X 5          | ↑ -0125                       | ↑ -9125        | ↑ -0765                       | ↑ -9765        | ↑ -0925                       | ↑ -9925    |   |   |  |
|                                                                                                                                                                                                                                    |                                                                  | I X 6          | ↑ -0126                       | ↑ -9126        | ↑ -0766                       | ↑ -9766        | ↑ -0926                       | ↑ -9926    |   |   |  |
|                                                                                                                                                                                                                                    |                                                                  | I X 7          | ↑ -0127                       | ↑ -9127        | ↑ -0767                       | ↑ -9767        | ↑ -0927                       | ↑ -9927    |   |   |  |
|                                                                                                                                                                                                                                    |                                                                  | I X 8          | ↑ -0128                       | ↑ -9128        | ↑ -0768                       | ↑ -9768        | ↑ -0928                       | ↑ -9928    |   |   |  |
|                                                                                                                                                                                                                                    |                                                                  | I X 9          | ↑ -0129                       | ↑ -9129        | ↑ -0769                       | ↑ -9769        | ↑ -0929                       | ↑ -9929    |   |   |  |
|                                                                                                                                                                                                                                    |                                                                  | I X 10         | ↑ -0130                       | ↑ -9130        | ↑ -0770                       | ↑ -9770        | ↑ -0930                       | ↑ -9930    |   |   |  |
|                                                                                                                                                                                                                                    |                                                                  | I X 11         | ↑ -0131                       | ↑ -9131        | ↑ -0771                       | ↑ -9771        | ↑ -0931                       | ↑ -9931    |   |   |  |
|                                                                                                                                                                                                                                    |                                                                  | I X 12         | ↑ -0132                       | ↑ -9132        | ↑ -0772                       | ↑ -9772        | ↑ -0932                       | ↑ -9932    |   |   |  |
|                                                                                                                                                                                                                                    |                                                                  | I X 13         | ↑ -0133                       | ↑ -9133        | ↑ -0773                       | ↑ -9773        | ↑ -0933                       | ↑ -9933    |   |   |  |
|                                                                                                                                                                                                                                    |                                                                  | I X 14         | ↑ -0134                       | ↑ -9134        | ↑ -0774                       | ↑ -9774        | ↑ -0934                       | ↑ -9934    |   |   |  |
|                                                                                                                                                                                                                                    |                                                                  | I X 15         | ↑ -0135                       | ↑ -9135        | ↑ -0775                       | ↑ -9775        | ↑ -0935                       | ↑ -9935    |   |   |  |
|                                                                                                                                                                                                                                    |                                                                  | I X 16         | ↑ -0136                       | ↑ -9136        | ↑ -0776                       | ↑ -9776        | ↑ -0936                       | ↑ -9936    |   |   |  |
|                                                                                                                                                                                                                                    |                                                                  | I X 17         | ↑ -0137                       | ↑ -9137        | ↑ -0777                       | ↑ -9777        | ↑ -0937                       | ↑ -9937    |   |   |  |
|                                                                                                                                                                                                                                    |                                                                  | I X 18         | ↑ -0138                       | ↑ -9138        | ↑ -0778                       | ↑ -9778        | ↑ -0938                       | ↑ -9938    |   |   |  |
|                                                                                                                                                                                                                                    |                                                                  | I X 19         | ↑ -0139                       | ↑ -9139        | ↑ -0779                       | ↑ -9779        | ↑ -0939                       | ↑ -9939    |   |   |  |
|                                                                                                                                                                                                                                    |                                                                  | I X 20         | ↑ -0140                       | ↑ -9140        | ↑ -0780                       | ↑ -9780        | ↑ -0940                       | ↑ -9940    |   |   |  |
|                                                                                                                                                                                                                                    |                                                                  | I X 21         | ↑ -0141                       | ↑ -9141        | ↑ -0781                       | ↑ -9781        | ↑ -0941                       | ↑ -9941    |   |   |  |
|                                                                                                                                                                                                                                    |                                                                  | I X 22         | ↑ -0142                       | ↑ -9142        | ↑ -0782                       | ↑ -9782        | ↑ -0942                       | ↑ -9942    |   |   |  |
|                                                                                                                                                                                                                                    |                                                                  | I X 23         | ↑ -0143                       | ↑ -9143        | ↑ -0783                       | ↑ -9783        | ↑ -0943                       | ↑ -9943    |   |   |  |
|                                                                                                                                                                                                                                    |                                                                  | I X 24         | ↑ -0144                       | ↑ -9144        | ↑ -0784                       | ↑ -9784        | ↑ -0944                       | ↑ -9944    |   |   |  |
|                                                                                                                                                                                                                                    |                                                                  | I X 25         | ↑ -0145                       | ↑ -9145        | ↑ -0785                       | ↑ -9785        | ↑ -0945                       | ↑ -9945    |   |   |  |
|                                                                                                                                                                                                                                    |                                                                  | I X 26         | ↑ -0146                       | ↑ -9146        | ↑ -0786                       | ↑ -9786        | ↑ -0946                       | ↑ -9946    |   |   |  |
|                                                                                                                                                                                                                                    |                                                                  | I X 27         | ↑ -0147                       | ↑ -9147        | ↑ -0787                       | ↑ -9787        | ↑ -0947                       | ↑ -9947    |   |   |  |
|                                                                                                                                                                                                                                    |                                                                  | I X 28         | ↑ -0148                       | ↑ -9148        | ↑ -0788                       | ↑ -9788        | ↑ -0948                       | ↑ -9948    |   |   |  |
|                                                                                                                                                                                                                                    |                                                                  | I X 29         | ↑ -0149                       | ↑ -9149        | ↑ -0789                       | ↑ -9789        | ↑ -0949                       | ↑ -9949    |   |   |  |
|                                                                                                                                                                                                                                    |                                                                  | I X 30         | ↑ -0150                       | ↑ -9150        | ↑ -0790                       | ↑ -9790        | ↑ -0950                       | ↑ -9950    |   |   |  |
|                                                                                                                                                                                                                                    |                                                                  | I X 31         | ↑ -0151                       | ↑ -9151        | ↑ -0791                       | ↑ -9791        | ↑ -0951                       | ↑ -9951    |   |   |  |
|                                                                                                                                                                                                                                    |                                                                  | I X 32         | ↑ -0152                       | ↑ -9152        | ↑ -0792                       | ↑ -9792        | ↑ -0952                       | ↑ -9952    |   |   |  |
|                                                                                                                                                                                                                                    |                                                                  | I X 33         | ↑ -0153                       | ↑ -9153        | ↑ -0793                       | ↑ -9793        | ↑ -0953                       | ↑ -9953    |   |   |  |
|                                                                                                                                                                                                                                    |                                                                  | I X 34         | ↑ -0154                       | ↑ -9154        | ↑ -0794                       | ↑ -9794        | ↑ -0954                       | ↑ -9954    |   |   |  |
|                                                                                                                                                                                                                                    |                                                                  | I X 35         | ↑ -0155                       | ↑ -9155        | ↑ -0795                       | ↑ -9795        | ↑ -0955                       | ↑ -9955    |   |   |  |
|                                                                                                                                                                                                                                    |                                                                  | I X 36         | ↑ -0156                       | ↑ -9156        | ↑ -0796                       | ↑ -9796        | ↑ -0956                       | ↑ -9956    |   |   |  |
|                                                                                                                                                                                                                                    |                                                                  | I X 37         | ↑ -0157                       | ↑ -9157        | ↑ -0797                       | ↑ -9797        | ↑ -0957                       | ↑ -9957    |   |   |  |
|                                                                                                                                                                                                                                    |                                                                  | I X 38         | ↑ -0158                       | ↑ -9158        | ↑ -0798                       | ↑ -9798        | ↑ -0958                       | ↑ -9958    |   |   |  |
| I X 39                                                                                                                                                                                                                             | ↑ -0159                                                          | ↑ -9159        | ↑ -0799                       | ↑ -9799        | ↑ -0959                       | ↑ -9959        |                               |            |   |   |  |
| I X 40                                                                                                                                                                                                                             | 90120-0160                                                       | 90120-9160     | 90120-0800                    | 90120-9800     | 90120-0960                    | 90120-9960     |                               |            |   |   |  |
| E                                                                                                                                                                                                                                  | DIM<br>C<br>(±0.20)<br>±.008<br>(6.75)<br>.266                   |                |                               |                |                               |                |                               |            |   |   |  |
|                                                                                                                                                                                                                                    |                                                                  |                |                               |                |                               |                |                               |            |   |   |  |
|                                                                                                                                                                                                                                    |                                                                  |                |                               |                |                               |                |                               |            |   |   |  |
|                                                                                                                                                                                                                                    |                                                                  |                |                               |                |                               |                |                               |            |   |   |  |
|                                                                                                                                                                                                                                    |                                                                  |                |                               |                |                               |                |                               |            |   |   |  |
|                                                                                                                                                                                                                                    |                                                                  |                |                               |                |                               |                |                               |            |   |   |  |
|                                                                                                                                                                                                                                    |                                                                  |                |                               |                |                               |                |                               |            |   |   |  |
|                                                                                                                                                                                                                                    |                                                                  |                |                               |                |                               |                |                               |            |   |   |  |
|                                                                                                                                                                                                                                    |                                                                  |                |                               |                |                               |                |                               |            |   |   |  |
|                                                                                                                                                                                                                                    |                                                                  |                |                               |                |                               |                |                               |            |   |   |  |
| D                                                                                                                                                                                                                                  | DIM<br>D<br>(±0.20<br>0.30)<br>±.008<br>-0.012<br>(2.90)<br>.114 |                |                               |                |                               |                |                               |            |   |   |  |
|                                                                                                                                                                                                                                    |                                                                  |                |                               |                |                               |                |                               |            |   |   |  |
|                                                                                                                                                                                                                                    |                                                                  |                |                               |                |                               |                |                               |            |   |   |  |
|                                                                                                                                                                                                                                    |                                                                  |                |                               |                |                               |                |                               |            |   |   |  |
|                                                                                                                                                                                                                                    |                                                                  |                |                               |                |                               |                |                               |            |   |   |  |
|                                                                                                                                                                                                                                    |                                                                  |                |                               |                |                               |                |                               |            |   |   |  |
|                                                                                                                                                                                                                                    |                                                                  |                |                               |                |                               |                |                               |            |   |   |  |
|                                                                                                                                                                                                                                    |                                                                  |                |                               |                |                               |                |                               |            |   |   |  |
|                                                                                                                                                                                                                                    |                                                                  |                |                               |                |                               |                |                               |            |   |   |  |
|                                                                                                                                                                                                                                    |                                                                  |                |                               |                |                               |                |                               |            |   |   |  |
| C                                                                                                                                                                                                                                  |                                                                  |                |                               |                |                               |                |                               |            |   |   |  |
|                                                                                                                                                                                                                                    |                                                                  |                |                               |                |                               |                |                               |            |   |   |  |
|                                                                                                                                                                                                                                    |                                                                  |                |                               |                |                               |                |                               |            |   |   |  |
|                                                                                                                                                                                                                                    |                                                                  |                |                               |                |                               |                |                               |            |   |   |  |
|                                                                                                                                                                                                                                    |                                                                  |                |                               |                |                               |                |                               |            |   |   |  |
|                                                                                                                                                                                                                                    |                                                                  |                |                               |                |                               |                |                               |            |   |   |  |
|                                                                                                                                                                                                                                    |                                                                  |                |                               |                |                               |                |                               |            |   |   |  |
|                                                                                                                                                                                                                                    |                                                                  |                |                               |                |                               |                |                               |            |   |   |  |
|                                                                                                                                                                                                                                    |                                                                  |                |                               |                |                               |                |                               |            |   |   |  |
|                                                                                                                                                                                                                                    |                                                                  |                |                               |                |                               |                |                               |            |   |   |  |
| B                                                                                                                                                                                                                                  |                                                                  |                |                               |                |                               |                |                               |            |   |   |  |
|                                                                                                                                                                                                                                    |                                                                  |                |                               |                |                               |                |                               |            |   |   |  |
|                                                                                                                                                                                                                                    |                                                                  |                |                               |                |                               |                |                               |            |   |   |  |
|                                                                                                                                                                                                                                    |                                                                  |                |                               |                |                               |                |                               |            |   |   |  |
|                                                                                                                                                                                                                                    |                                                                  |                |                               |                |                               |                |                               |            |   |   |  |
|                                                                                                                                                                                                                                    |                                                                  |                |                               |                |                               |                |                               |            |   |   |  |
|                                                                                                                                                                                                                                    |                                                                  |                |                               |                |                               |                |                               |            |   |   |  |
|                                                                                                                                                                                                                                    |                                                                  |                |                               |                |                               |                |                               |            |   |   |  |
|                                                                                                                                                                                                                                    |                                                                  |                |                               |                |                               |                |                               |            |   |   |  |
|                                                                                                                                                                                                                                    |                                                                  |                |                               |                |                               |                |                               |            |   |   |  |
| A                                                                                                                                                                                                                                  |                                                                  |                |                               |                |                               |                |                               |            |   |   |  |
|                                                                                                                                                                                                                                    |                                                                  |                |                               |                |                               |                |                               |            |   |   |  |
|                                                                                                                                                                                                                                    |                                                                  |                |                               |                |                               |                |                               |            |   |   |  |
|                                                                                                                                                                                                                                    |                                                                  |                |                               |                |                               |                |                               |            |   |   |  |
|                                                                                                                                                                                                                                    |                                                                  |                |                               |                |                               |                |                               |            |   |   |  |
|                                                                                                                                                                                                                                    |                                                                  |                |                               |                |                               |                |                               |            |   |   |  |
|                                                                                                                                                                                                                                    |                                                                  |                |                               |                |                               |                |                               |            |   |   |  |
|                                                                                                                                                                                                                                    |                                                                  |                |                               |                |                               |                |                               |            |   |   |  |
|                                                                                                                                                                                                                                    |                                                                  |                |                               |                |                               |                |                               |            |   |   |  |
|                                                                                                                                                                                                                                    |                                                                  |                |                               |                |                               |                |                               |            |   |   |  |
| NOTES:<br>FOR PLATING VARIATIONS SEE<br>ENG.STD. SDES-99000-0003.                                                                                                                                                                  |                                                                  |                |                               |                |                               |                |                               |            |   |   |  |
| STANDARD PRODUCTS                                                                                                                                                                                                                  |                                                                  |                |                               |                |                               |                |                               |            |   |   |  |
| REV GD&T FOR DIM B<br>EC NO: S2010-0493<br>DRWN:SKANG<br>CHKD:ATSEE<br>APPR:MLONG<br>2009/12/11<br>2009/12/21<br>2009/12/21                                                                                                        |                                                                  |                |                               |                |                               |                |                               |            |   |   |  |
| QUALITY<br>SYMBOLS<br>F=0<br>F=0<br>F=0                                                                                                                                                                                            |                                                                  |                |                               |                |                               |                |                               |            |   |   |  |
| GENERAL TOLERANCES<br>(UNLESS SPECIFIED)<br>mm INCH<br>4 PLACES ± --- ± ---<br>3 PLACES ± --- ± ---<br>2 PLACES ± --- ± ---<br>1 PLACE ± --- ± ---<br>ANGULAR ± ---°<br>DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS |                                                                  |                |                               |                |                               |                |                               |            |   |   |  |
| DIMENSION STYLE<br>MM/IN<br>DRAWN BY DATE<br>JDENNEHY 2006/01/18<br>CHECKED BY DATE<br>DWASZKIEWICZ 2006/01/18<br>APPROVED BY DATE<br>MLONG 2009/12/21<br>MATERIAL NO.<br>SEE TABLE<br>SIZE<br>A3                                  |                                                                  |                |                               |                |                               |                |                               |            |   |   |  |
| SCALE<br>NTS<br>DESIGN UNITS<br>METRIC<br>THIRD ANGLE<br>PROJECTION<br>C-GRID III<br>SINGLE ROW STRAIGHT<br>PIN HEADER<br>molex MOLEX INCORPORATED<br>DOCUMENT NO.<br>SDA-90120<br>SHEET NO.<br>2 OF 6                             |                                                                  |                |                               |                |                               |                |                               |            |   |   |  |
| THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX<br>INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION                                                                                                   |                                                                  |                |                               |                |                               |                |                               |            |   |   |  |
| tb_frame_A3_P_AM.T<br>Rev. F 2009/06/18                                                                                                                                                                                            |                                                                  |                |                               |                |                               |                |                               |            |   |   |  |



|    |                                                                   |                                                                                                                    |  |                                         |  |                                                                                                                                                                                                                                    |  |                                                                                                                                                        |  |                           |  |                        |  |                                                                                                                                  |  |                                                          |  |   |  |
|----|-------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------|--|-----------------------------------------|--|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--------------------------------------------------------------------------------------------------------------------------------------------------------|--|---------------------------|--|------------------------|--|----------------------------------------------------------------------------------------------------------------------------------|--|----------------------------------------------------------|--|---|--|
| 10 |                                                                   | 9                                                                                                                  |  | 8                                       |  | 7                                                                                                                                                                                                                                  |  | 6                                                                                                                                                      |  | 5                         |  | 4                      |  | 3                                                                                                                                |  | 2                                                        |  | 1 |  |
| F  | CIRCUIT<br>SIZE                                                   | I X 1                                                                                                              |  | PLATING<br>TYPE A<br>PART NO.           |  | PLATING<br>TYPE E<br>PART NO.                                                                                                                                                                                                      |  | PLATING<br>TYPE F<br>PART NO.                                                                                                                          |  |                           |  |                        |  |                                                                                                                                  |  |                                                          |  |   |  |
|    |                                                                   | I X 2                                                                                                              |  | 90120-0161                              |  | 90120-0801                                                                                                                                                                                                                         |  | 90120-0961                                                                                                                                             |  |                           |  |                        |  |                                                                                                                                  |  |                                                          |  |   |  |
|    |                                                                   | I X 3                                                                                                              |  | -0162                                   |  | -0802                                                                                                                                                                                                                              |  | -0962                                                                                                                                                  |  |                           |  |                        |  |                                                                                                                                  |  |                                                          |  |   |  |
|    |                                                                   | I X 4                                                                                                              |  | -0163                                   |  | -0803                                                                                                                                                                                                                              |  | -0963                                                                                                                                                  |  |                           |  |                        |  |                                                                                                                                  |  |                                                          |  |   |  |
|    |                                                                   | I X 5                                                                                                              |  | -0164                                   |  | -0804                                                                                                                                                                                                                              |  | -0964                                                                                                                                                  |  |                           |  |                        |  |                                                                                                                                  |  |                                                          |  |   |  |
|    |                                                                   | I X 6                                                                                                              |  | -0165                                   |  | -0805                                                                                                                                                                                                                              |  | -0965                                                                                                                                                  |  |                           |  |                        |  |                                                                                                                                  |  |                                                          |  |   |  |
|    |                                                                   | I X 7                                                                                                              |  | -0166                                   |  | -0806                                                                                                                                                                                                                              |  | -0966                                                                                                                                                  |  |                           |  |                        |  |                                                                                                                                  |  |                                                          |  |   |  |
|    |                                                                   | I X 8                                                                                                              |  | -0167                                   |  | -0807                                                                                                                                                                                                                              |  | -0967                                                                                                                                                  |  |                           |  |                        |  |                                                                                                                                  |  |                                                          |  |   |  |
|    |                                                                   | I X 9                                                                                                              |  | -0168                                   |  | -0808                                                                                                                                                                                                                              |  | -0968                                                                                                                                                  |  |                           |  |                        |  |                                                                                                                                  |  |                                                          |  |   |  |
|    |                                                                   | I X 10                                                                                                             |  | -0169                                   |  | -0809                                                                                                                                                                                                                              |  | -0969                                                                                                                                                  |  |                           |  |                        |  |                                                                                                                                  |  |                                                          |  |   |  |
| E  | DIM<br>C<br>(±0.20)<br>±.008<br>(6.75)<br>.266                    | I X 11                                                                                                             |  | -0170                                   |  | -0810                                                                                                                                                                                                                              |  | -0970                                                                                                                                                  |  |                           |  |                        |  |                                                                                                                                  |  |                                                          |  |   |  |
|    |                                                                   | I X 12                                                                                                             |  | -0171                                   |  | -0811                                                                                                                                                                                                                              |  | -0971                                                                                                                                                  |  |                           |  |                        |  |                                                                                                                                  |  |                                                          |  |   |  |
|    |                                                                   | I X 13                                                                                                             |  | -0172                                   |  | -0812                                                                                                                                                                                                                              |  | -0972                                                                                                                                                  |  |                           |  |                        |  |                                                                                                                                  |  |                                                          |  |   |  |
|    |                                                                   | I X 14                                                                                                             |  | -0173                                   |  | -0813                                                                                                                                                                                                                              |  | -0973                                                                                                                                                  |  |                           |  |                        |  |                                                                                                                                  |  |                                                          |  |   |  |
|    |                                                                   | I X 15                                                                                                             |  | -0174                                   |  | -0814                                                                                                                                                                                                                              |  | -0974                                                                                                                                                  |  |                           |  |                        |  |                                                                                                                                  |  |                                                          |  |   |  |
|    |                                                                   | I X 16                                                                                                             |  | -0175                                   |  | -0815                                                                                                                                                                                                                              |  | -0975                                                                                                                                                  |  |                           |  |                        |  |                                                                                                                                  |  |                                                          |  |   |  |
|    |                                                                   | I X 17                                                                                                             |  | -0176                                   |  | -0816                                                                                                                                                                                                                              |  | -0976                                                                                                                                                  |  |                           |  |                        |  |                                                                                                                                  |  |                                                          |  |   |  |
|    |                                                                   | I X 18                                                                                                             |  | -0177                                   |  | -0817                                                                                                                                                                                                                              |  | -0977                                                                                                                                                  |  |                           |  |                        |  |                                                                                                                                  |  |                                                          |  |   |  |
|    |                                                                   | I X 19                                                                                                             |  | -0178                                   |  | -0818                                                                                                                                                                                                                              |  | -0978                                                                                                                                                  |  |                           |  |                        |  |                                                                                                                                  |  |                                                          |  |   |  |
|    |                                                                   | I X 20                                                                                                             |  | -0179                                   |  | -0819                                                                                                                                                                                                                              |  | -0979                                                                                                                                                  |  |                           |  |                        |  |                                                                                                                                  |  |                                                          |  |   |  |
| D  | DIM<br>D<br>(±0.25)<br>±.010<br>(4.50)<br>.177                    | I X 21                                                                                                             |  | -0180                                   |  | -0820                                                                                                                                                                                                                              |  | -0980                                                                                                                                                  |  |                           |  |                        |  |                                                                                                                                  |  |                                                          |  |   |  |
|    |                                                                   | I X 22                                                                                                             |  | -0181                                   |  | -0821                                                                                                                                                                                                                              |  | -0981                                                                                                                                                  |  |                           |  |                        |  |                                                                                                                                  |  |                                                          |  |   |  |
|    |                                                                   | I X 23                                                                                                             |  | -0182                                   |  | -0822                                                                                                                                                                                                                              |  | -0982                                                                                                                                                  |  |                           |  |                        |  |                                                                                                                                  |  |                                                          |  |   |  |
|    |                                                                   | I X 24                                                                                                             |  | -0183                                   |  | -0823                                                                                                                                                                                                                              |  | -0983                                                                                                                                                  |  |                           |  |                        |  |                                                                                                                                  |  |                                                          |  |   |  |
|    |                                                                   | I X 25                                                                                                             |  | -0184                                   |  | -0824                                                                                                                                                                                                                              |  | -0984                                                                                                                                                  |  |                           |  |                        |  |                                                                                                                                  |  |                                                          |  |   |  |
|    |                                                                   | I X 26                                                                                                             |  | -0185                                   |  | -0825                                                                                                                                                                                                                              |  | -0985                                                                                                                                                  |  |                           |  |                        |  |                                                                                                                                  |  |                                                          |  |   |  |
|    |                                                                   | I X 27                                                                                                             |  | -0186                                   |  | -0826                                                                                                                                                                                                                              |  | -0986                                                                                                                                                  |  |                           |  |                        |  |                                                                                                                                  |  |                                                          |  |   |  |
|    |                                                                   | I X 28                                                                                                             |  | -0187                                   |  | -0827                                                                                                                                                                                                                              |  | -0987                                                                                                                                                  |  |                           |  |                        |  |                                                                                                                                  |  |                                                          |  |   |  |
|    |                                                                   | I X 29                                                                                                             |  | -0188                                   |  | -0828                                                                                                                                                                                                                              |  | -0988                                                                                                                                                  |  |                           |  |                        |  |                                                                                                                                  |  |                                                          |  |   |  |
|    |                                                                   | I X 30                                                                                                             |  | -0189                                   |  | -0829                                                                                                                                                                                                                              |  | -0989                                                                                                                                                  |  |                           |  |                        |  |                                                                                                                                  |  |                                                          |  |   |  |
| C  |                                                                   | I X 31                                                                                                             |  | -0190                                   |  | -0830                                                                                                                                                                                                                              |  | -0990                                                                                                                                                  |  |                           |  |                        |  |                                                                                                                                  |  |                                                          |  |   |  |
|    |                                                                   | I X 32                                                                                                             |  | -0191                                   |  | -0831                                                                                                                                                                                                                              |  | -0991                                                                                                                                                  |  |                           |  |                        |  |                                                                                                                                  |  |                                                          |  |   |  |
|    |                                                                   | I X 33                                                                                                             |  | -0192                                   |  | -0832                                                                                                                                                                                                                              |  | -0992                                                                                                                                                  |  |                           |  |                        |  |                                                                                                                                  |  |                                                          |  |   |  |
|    |                                                                   | I X 34                                                                                                             |  | -0193                                   |  | -0833                                                                                                                                                                                                                              |  | -0993                                                                                                                                                  |  |                           |  |                        |  |                                                                                                                                  |  |                                                          |  |   |  |
|    |                                                                   | I X 35                                                                                                             |  | -0194                                   |  | -0834                                                                                                                                                                                                                              |  | -0994                                                                                                                                                  |  |                           |  |                        |  |                                                                                                                                  |  |                                                          |  |   |  |
|    |                                                                   | I X 36                                                                                                             |  | -0195                                   |  | -0835                                                                                                                                                                                                                              |  | -0995                                                                                                                                                  |  |                           |  |                        |  |                                                                                                                                  |  |                                                          |  |   |  |
|    |                                                                   | I X 37                                                                                                             |  | -0196                                   |  | -0836                                                                                                                                                                                                                              |  | -0996                                                                                                                                                  |  |                           |  |                        |  |                                                                                                                                  |  |                                                          |  |   |  |
|    |                                                                   | I X 38                                                                                                             |  | -0197                                   |  | -0837                                                                                                                                                                                                                              |  | -0997                                                                                                                                                  |  |                           |  |                        |  |                                                                                                                                  |  |                                                          |  |   |  |
|    |                                                                   | I X 39                                                                                                             |  | -0198                                   |  | -0838                                                                                                                                                                                                                              |  | -0998                                                                                                                                                  |  |                           |  |                        |  |                                                                                                                                  |  |                                                          |  |   |  |
|    |                                                                   | I X 40                                                                                                             |  | -0199                                   |  | -0839                                                                                                                                                                                                                              |  | -0999                                                                                                                                                  |  |                           |  |                        |  |                                                                                                                                  |  |                                                          |  |   |  |
| B  |                                                                   | I X 41                                                                                                             |  | 90120-0200                              |  | 90120-0840                                                                                                                                                                                                                         |  | 90120-1000                                                                                                                                             |  |                           |  |                        |  |                                                                                                                                  |  |                                                          |  |   |  |
|    |                                                                   | I X 42                                                                                                             |  |                                         |  |                                                                                                                                                                                                                                    |  |                                                                                                                                                        |  |                           |  |                        |  |                                                                                                                                  |  |                                                          |  |   |  |
|    |                                                                   | I X 43                                                                                                             |  |                                         |  |                                                                                                                                                                                                                                    |  |                                                                                                                                                        |  |                           |  |                        |  |                                                                                                                                  |  |                                                          |  |   |  |
|    |                                                                   | I X 44                                                                                                             |  |                                         |  |                                                                                                                                                                                                                                    |  |                                                                                                                                                        |  |                           |  |                        |  |                                                                                                                                  |  |                                                          |  |   |  |
|    |                                                                   | I X 45                                                                                                             |  |                                         |  |                                                                                                                                                                                                                                    |  |                                                                                                                                                        |  |                           |  |                        |  |                                                                                                                                  |  |                                                          |  |   |  |
|    |                                                                   | I X 46                                                                                                             |  |                                         |  |                                                                                                                                                                                                                                    |  |                                                                                                                                                        |  |                           |  |                        |  |                                                                                                                                  |  |                                                          |  |   |  |
|    |                                                                   | I X 47                                                                                                             |  |                                         |  |                                                                                                                                                                                                                                    |  |                                                                                                                                                        |  |                           |  |                        |  |                                                                                                                                  |  |                                                          |  |   |  |
|    |                                                                   | I X 48                                                                                                             |  |                                         |  |                                                                                                                                                                                                                                    |  |                                                                                                                                                        |  |                           |  |                        |  |                                                                                                                                  |  |                                                          |  |   |  |
|    |                                                                   | I X 49                                                                                                             |  |                                         |  |                                                                                                                                                                                                                                    |  |                                                                                                                                                        |  |                           |  |                        |  |                                                                                                                                  |  |                                                          |  |   |  |
|    |                                                                   | I X 50                                                                                                             |  |                                         |  |                                                                                                                                                                                                                                    |  |                                                                                                                                                        |  |                           |  |                        |  |                                                                                                                                  |  |                                                          |  |   |  |
| A  | NOTES:<br>FOR PLATING VARIATIONS SEE<br>ENG.STD. SDES-99000-0003. | REV GD&T FOR DIM B<br>EC NO: S2010-0493<br>DRWN:SKANG 2009/12/11<br>CHKD:ATSEE 2009/12/21<br>APPR:MLONG 2009/12/21 |  | QUALITY<br>SYMBOLS<br>F=0<br>F=0<br>F=0 |  | GENERAL TOLERANCES<br>(UNLESS SPECIFIED)<br>mm INCH<br>4 PLACES ± --- ± ---<br>3 PLACES ± --- ± ---<br>2 PLACES ± --- ± ---<br>1 PLACE ± --- ± ---<br>ANGULAR ± ---°<br>DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS |  | DIMENSION STYLE<br>MM/IN<br>DRAWN BY DATE<br>JDENNEHY 2006/01/18<br>CHECKED BY DATE<br>DWASZKIEWICZ 2006/01/18<br>APPROVED BY DATE<br>MLONG 2009/12/21 |  | SCALE<br>NTS              |  | DESIGN UNITS<br>METRIC |  | THIRD ANGLE<br>PROJECTION                                                                                                        |  | TITLE<br>C-GRID III<br>SINGLE ROW STRAIGHT<br>PIN HEADER |  |   |  |
|    |                                                                   | NON-STANDARD PRODUCTS                                                                                              |  |                                         |  |                                                                                                                                                                                                                                    |  | MATERIAL NO.<br>SEE TABLE                                                                                                                              |  | DOCUMENT NO.<br>SDA-90120 |  | SHEET NO.<br>4 OF 6    |  | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX<br>INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |  |                                                          |  |   |  |
|    |                                                                   |                                                                                                                    |  |                                         |  |                                                                                                                                                                                                                                    |  |                                                                                                                                                        |  |                           |  |                        |  |                                                                                                                                  |  |                                                          |  |   |  |
|    |                                                                   |                                                                                                                    |  |                                         |  |                                                                                                                                                                                                                                    |  |                                                                                                                                                        |  |                           |  |                        |  |                                                                                                                                  |  |                                                          |  |   |  |
|    |                                                                   |                                                                                                                    |  |                                         |  |                                                                                                                                                                                                                                    |  |                                                                                                                                                        |  |                           |  |                        |  |                                                                                                                                  |  |                                                          |  |   |  |
|    |                                                                   |                                                                                                                    |  |                                         |  |                                                                                                                                                                                                                                    |  |                                                                                                                                                        |  |                           |  |                        |  |                                                                                                                                  |  |                                                          |  |   |  |
|    |                                                                   |                                                                                                                    |  |                                         |  |                                                                                                                                                                                                                                    |  |                                                                                                                                                        |  |                           |  |                        |  |                                                                                                                                  |  |                                                          |  |   |  |
|    |                                                                   |                                                                                                                    |  |                                         |  |                                                                                                                                                                                                                                    |  |                                                                                                                                                        |  |                           |  |                        |  |                                                                                                                                  |  |                                                          |  |   |  |
|    |                                                                   |                                                                                                                    |  |                                         |  |                                                                                                                                                                                                                                    |  |                                                                                                                                                        |  |                           |  |                        |  |                                                                                                                                  |  |                                                          |  |   |  |
|    |                                                                   |                                                                                                                    |  |                                         |  |                                                                                                                                                                                                                                    |  |                                                                                                                                                        |  |                           |  |                        |  |                                                                                                                                  |  |                                                          |  |   |  |
|    |                                                                   |                                                                                                                    |  |                                         |  |                                                                                                                                                                                                                                    |  |                                                                                                                                                        |  |                           |  |                        |  |                                                                                                                                  |  |                                                          |  |   |  |





|   |  |                                                                   |                |                                                                                                                                 |                               |                                  |                |                                                                                                               |                               |                                                                                                                               |                |                                                                                                                                  |                               |                           |  |                           |  |                                                                       |  |                     |  |  |
|---|--|-------------------------------------------------------------------|----------------|---------------------------------------------------------------------------------------------------------------------------------|-------------------------------|----------------------------------|----------------|---------------------------------------------------------------------------------------------------------------|-------------------------------|-------------------------------------------------------------------------------------------------------------------------------|----------------|----------------------------------------------------------------------------------------------------------------------------------|-------------------------------|---------------------------|--|---------------------------|--|-----------------------------------------------------------------------|--|---------------------|--|--|
|   |  | 10                                                                |                | 9                                                                                                                               |                               | 8                                |                | 7                                                                                                             |                               | 6                                                                                                                             |                | 5                                                                                                                                |                               | 4                         |  | 3                         |  | 2                                                                     |  | 1                   |  |  |
| F |  | CIRCUIT<br>SIZE                                                   | PLATING TYPE A |                                                                                                                                 |                               |                                  | PLATING TYPE E |                                                                                                               |                               |                                                                                                                               | PLATING TYPE F |                                                                                                                                  |                               |                           |  |                           |  |                                                                       |  |                     |  |  |
|   |  |                                                                   | PART NO.       |                                                                                                                                 | CUSTOMER SPECIFIC<br>PART NO. |                                  | PART NO.       |                                                                                                               | CUSTOMER SPECIFIC<br>PART NO. |                                                                                                                               | PART NO.       |                                                                                                                                  | CUSTOMER SPECIFIC<br>PART NO. |                           |  |                           |  |                                                                       |  |                     |  |  |
|   |  | I X 1                                                             | 90120-0121     | 90120-9121                                                                                                                      | 90120-0761                    | 90120-9761                       | 90120-0921     | 90120-9921                                                                                                    |                               |                                                                                                                               |                |                                                                                                                                  |                               |                           |  |                           |  |                                                                       |  |                     |  |  |
|   |  | I X 2                                                             | ▲ -0122        | ▲ -9122                                                                                                                         | ▲ -0762                       | ▲ -9762                          | ▲ -0922        | ▲ -9922                                                                                                       |                               |                                                                                                                               |                |                                                                                                                                  |                               |                           |  |                           |  |                                                                       |  |                     |  |  |
|   |  | I X 3                                                             | ▲ -0123        | ▲ -9123                                                                                                                         | ▲ -0763                       | ▲ -9763                          | ▲ -0923        | ▲ -9923                                                                                                       |                               |                                                                                                                               |                |                                                                                                                                  |                               |                           |  |                           |  |                                                                       |  |                     |  |  |
|   |  | I X 4                                                             | ▲ -0124        | ▲ -9124                                                                                                                         | ▲ -0764                       | ▲ -9764                          | ▲ -0924        | ▲ -9924                                                                                                       |                               |                                                                                                                               |                |                                                                                                                                  |                               |                           |  |                           |  |                                                                       |  |                     |  |  |
|   |  | I X 5                                                             | ▲ -0125        | ▲ -9125                                                                                                                         | ▲ -0765                       | ▲ -9765                          | ▲ -0925        | ▲ -9925                                                                                                       |                               |                                                                                                                               |                |                                                                                                                                  |                               |                           |  |                           |  |                                                                       |  |                     |  |  |
|   |  | I X 6                                                             | ▲ -0126        | ▲ -9126                                                                                                                         | ▲ -0766                       | ▲ -9766                          | ▲ -0926        | ▲ -9926                                                                                                       |                               |                                                                                                                               |                |                                                                                                                                  |                               |                           |  |                           |  |                                                                       |  |                     |  |  |
|   |  | I X 7                                                             | ▲ -0127        | ▲ -9127                                                                                                                         | ▲ -0767                       | ▲ -9767                          | ▲ -0927        | ▲ -9927                                                                                                       |                               |                                                                                                                               |                |                                                                                                                                  |                               |                           |  |                           |  |                                                                       |  |                     |  |  |
|   |  | I X 8                                                             | ▲ -0128        | ▲ -9128                                                                                                                         | ▲ -0768                       | ▲ -9768                          | ▲ -0928        | ▲ -9928                                                                                                       |                               |                                                                                                                               |                |                                                                                                                                  |                               |                           |  |                           |  |                                                                       |  |                     |  |  |
|   |  | I X 9                                                             | ▲ -0129        | ▲ -9129                                                                                                                         | ▲ -0769                       | ▲ -9769                          | ▲ -0929        | ▲ -9929                                                                                                       |                               |                                                                                                                               |                |                                                                                                                                  |                               |                           |  |                           |  |                                                                       |  |                     |  |  |
| E |  | I X 10                                                            | ▲ -0130        | ▲ -9130                                                                                                                         | ▲ -0770                       | ▲ -9770                          | ▲ -0930        | ▲ -9930                                                                                                       |                               |                                                                                                                               |                |                                                                                                                                  |                               |                           |  |                           |  |                                                                       |  |                     |  |  |
|   |  | I X 11                                                            | ▲ -0131        | ▲ -9131                                                                                                                         | ▲ -0771                       | ▲ -9771                          | ▲ -0931        | ▲ -9931                                                                                                       |                               |                                                                                                                               |                |                                                                                                                                  |                               |                           |  |                           |  |                                                                       |  |                     |  |  |
|   |  | I X 12                                                            | ▲ -0132        | ▲ -9132                                                                                                                         | ▲ -0772                       | ▲ -9772                          | ▲ -0932        | ▲ -9932                                                                                                       |                               |                                                                                                                               |                |                                                                                                                                  |                               |                           |  |                           |  |                                                                       |  |                     |  |  |
|   |  | I X 13                                                            | ▲ -0133        | ▲ -9133                                                                                                                         | ▲ -0773                       | ▲ -9773                          | ▲ -0933        | ▲ -9933                                                                                                       |                               |                                                                                                                               |                |                                                                                                                                  |                               |                           |  |                           |  |                                                                       |  |                     |  |  |
|   |  | I X 14                                                            | ▲ -0134        | ▲ -9134                                                                                                                         | ▲ -0774                       | ▲ -9774                          | ▲ -0934        | ▲ -9934                                                                                                       |                               |                                                                                                                               |                |                                                                                                                                  |                               |                           |  |                           |  |                                                                       |  |                     |  |  |
|   |  | I X 15                                                            | ▲ -0135        | ▲ -9135                                                                                                                         | ▲ -0775                       | ▲ -9775                          | ▲ -0935        | ▲ -9935                                                                                                       |                               |                                                                                                                               |                |                                                                                                                                  |                               |                           |  |                           |  |                                                                       |  |                     |  |  |
|   |  | I X 16                                                            | ▲ -0136        | ▲ -9136                                                                                                                         | ▲ -0776                       | ▲ -9776                          | ▲ -0936        | ▲ -9936                                                                                                       |                               |                                                                                                                               |                |                                                                                                                                  |                               |                           |  |                           |  |                                                                       |  |                     |  |  |
|   |  | I X 17                                                            | ▲ -0137        | ▲ -9137                                                                                                                         | ▲ -0777                       | ▲ -9777                          | ▲ -0937        | ▲ -9937                                                                                                       |                               |                                                                                                                               |                |                                                                                                                                  |                               |                           |  |                           |  |                                                                       |  |                     |  |  |
|   |  | I X 18                                                            | ▲ -0138        | ▲ -9138                                                                                                                         | ▲ -0778                       | ▲ -9778                          | ▲ -0938        | ▲ -9938                                                                                                       |                               |                                                                                                                               |                |                                                                                                                                  |                               |                           |  |                           |  |                                                                       |  |                     |  |  |
| D |  | I X 19                                                            | ▲ -0139        | ▲ -9139                                                                                                                         | ▲ -0779                       | ▲ -9779                          | ▲ -0939        | ▲ -9939                                                                                                       |                               |                                                                                                                               |                |                                                                                                                                  |                               |                           |  |                           |  |                                                                       |  |                     |  |  |
|   |  | I X 20                                                            | ▲ -0140        | ▲ -9140                                                                                                                         | ▲ -0780                       | ▲ -9780                          | ▲ -0940        | ▲ -9940                                                                                                       |                               |                                                                                                                               |                |                                                                                                                                  |                               |                           |  |                           |  |                                                                       |  |                     |  |  |
|   |  | I X 21                                                            | ▲ -0141        | ▲ -9141                                                                                                                         | ▲ -0781                       | ▲ -9781                          | ▲ -0941        | ▲ -9941                                                                                                       |                               |                                                                                                                               |                |                                                                                                                                  |                               |                           |  |                           |  |                                                                       |  |                     |  |  |
|   |  | I X 22                                                            | ▲ -0142        | ▲ -9142                                                                                                                         | ▲ -0782                       | ▲ -9782                          | ▲ -0942        | ▲ -9942                                                                                                       |                               |                                                                                                                               |                |                                                                                                                                  |                               |                           |  |                           |  |                                                                       |  |                     |  |  |
|   |  | I X 23                                                            | ▲ -0143        | ▲ -9143                                                                                                                         | ▲ -0783                       | ▲ -9783                          | ▲ -0943        | ▲ -9943                                                                                                       |                               |                                                                                                                               |                |                                                                                                                                  |                               |                           |  |                           |  |                                                                       |  |                     |  |  |
|   |  | I X 24                                                            | ▲ -0144        | ▲ -9144                                                                                                                         | ▲ -0784                       | ▲ -9784                          | ▲ -0944        | ▲ -9944                                                                                                       |                               |                                                                                                                               |                |                                                                                                                                  |                               |                           |  |                           |  |                                                                       |  |                     |  |  |
|   |  | I X 25                                                            | ▲ -0145        | ▲ -9145                                                                                                                         | ▲ -0785                       | ▲ -9785                          | ▲ -0945        | ▲ -9945                                                                                                       |                               |                                                                                                                               |                |                                                                                                                                  |                               |                           |  |                           |  |                                                                       |  |                     |  |  |
|   |  | I X 26                                                            | ▲ -0146        | ▲ -9146                                                                                                                         | ▲ -0786                       | ▲ -9786                          | ▲ -0946        | ▲ -9946                                                                                                       |                               |                                                                                                                               |                |                                                                                                                                  |                               |                           |  |                           |  |                                                                       |  |                     |  |  |
|   |  | I X 27                                                            | ▲ -0147        | ▲ -9147                                                                                                                         | ▲ -0787                       | ▲ -9787                          | ▲ -0947        | ▲ -9947                                                                                                       |                               |                                                                                                                               |                |                                                                                                                                  |                               |                           |  |                           |  |                                                                       |  |                     |  |  |
|   |  | I X 28                                                            | ▲ -0148        | ▲ -9148                                                                                                                         | ▲ -0788                       | ▲ -9788                          | ▲ -0948        | ▲ -9948                                                                                                       |                               |                                                                                                                               |                |                                                                                                                                  |                               |                           |  |                           |  |                                                                       |  |                     |  |  |
| C |  | I X 29                                                            | ▲ -0149        | ▲ -9149                                                                                                                         | ▲ -0789                       | ▲ -9789                          | ▲ -0949        | ▲ -9949                                                                                                       |                               |                                                                                                                               |                |                                                                                                                                  |                               |                           |  |                           |  |                                                                       |  |                     |  |  |
|   |  | I X 30                                                            | ▲ -0150        | ▲ -9150                                                                                                                         | ▲ -0790                       | ▲ -9790                          | ▲ -0950        | ▲ -9950                                                                                                       |                               |                                                                                                                               |                |                                                                                                                                  |                               |                           |  |                           |  |                                                                       |  |                     |  |  |
|   |  | I X 31                                                            | ▲ -0151        | ▲ -9151                                                                                                                         | ▲ -0791                       | ▲ -9791                          | ▲ -0951        | ▲ -9951                                                                                                       |                               |                                                                                                                               |                |                                                                                                                                  |                               |                           |  |                           |  |                                                                       |  |                     |  |  |
|   |  | I X 32                                                            | ▲ -0152        | ▲ -9152                                                                                                                         | ▲ -0792                       | ▲ -9792                          | ▲ -0952        | ▲ -9952                                                                                                       |                               |                                                                                                                               |                |                                                                                                                                  |                               |                           |  |                           |  |                                                                       |  |                     |  |  |
|   |  | I X 33                                                            | ▲ -0153        | ▲ -9153                                                                                                                         | ▲ -0793                       | ▲ -9793                          | ▲ -0953        | ▲ -9953                                                                                                       |                               |                                                                                                                               |                |                                                                                                                                  |                               |                           |  |                           |  |                                                                       |  |                     |  |  |
|   |  | I X 34                                                            | ▲ -0154        | ▲ -9154                                                                                                                         | ▲ -0794                       | ▲ -9794                          | ▲ -0954        | ▲ -9954                                                                                                       |                               |                                                                                                                               |                |                                                                                                                                  |                               |                           |  |                           |  |                                                                       |  |                     |  |  |
|   |  | I X 35                                                            | ▲ -0155        | ▲ -9155                                                                                                                         | ▲ -0795                       | ▲ -9795                          | ▲ -0955        | ▲ -9955                                                                                                       |                               |                                                                                                                               |                |                                                                                                                                  |                               |                           |  |                           |  |                                                                       |  |                     |  |  |
|   |  | I X 36                                                            | ▲ -0156        | ▲ -9156                                                                                                                         | ▲ -0796                       | ▲ -9796                          | ▲ -0956        | ▲ -9956                                                                                                       |                               |                                                                                                                               |                |                                                                                                                                  |                               |                           |  |                           |  |                                                                       |  |                     |  |  |
|   |  | I X 37                                                            | ▲ -0157        | ▲ -9157                                                                                                                         | ▲ -0797                       | ▲ -9797                          | ▲ -0957        | ▲ -9957                                                                                                       |                               |                                                                                                                               |                |                                                                                                                                  |                               |                           |  |                           |  |                                                                       |  |                     |  |  |
|   |  | I X 38                                                            | ▲ -0158        | ▲ -9158                                                                                                                         | ▲ -0798                       | ▲ -9798                          | ▲ -0958        | ▲ -9958                                                                                                       |                               |                                                                                                                               |                |                                                                                                                                  |                               |                           |  |                           |  |                                                                       |  |                     |  |  |
| B |  | I X 39                                                            | ▲ -0159        | ▲ -9159                                                                                                                         | ▲ -0799                       | ▲ -9799                          | ▲ -0959        | ▲ -9959                                                                                                       |                               |                                                                                                                               |                |                                                                                                                                  |                               |                           |  |                           |  |                                                                       |  |                     |  |  |
|   |  | I X 40                                                            | 90120-0160     | 90120-9160                                                                                                                      | 90120-0800                    | 90120-9800                       | 90120-0960     | 90120-9960                                                                                                    |                               |                                                                                                                               |                |                                                                                                                                  |                               |                           |  |                           |  |                                                                       |  |                     |  |  |
| A |  | NOTES:<br>FOR PLATING VARIATIONS SEE<br>ENG.STD. SDES-99000-0003. |                | PART NO'S ADDED<br>EC NO: E2006-0667<br>DRWN: JDENNEHY 2006/01/23<br>CHKD: DWASZKIEWICZ 2006/01/23<br>APPR: JDENNEHY 2006/02/07 |                               | QUALITY<br>SYMBOLS<br>▽=0<br>▽=0 |                | GENERAL TOLERANCES<br>(UNLESS SPECIFIED)                                                                      |                               | DIMENSION STYLE<br>MM ONLY                                                                                                    |                | SCALE<br>---                                                                                                                     |                               | DESIGN UNITS<br>METRIC    |  | THIRD ANGLE<br>PROJECTION |  | C-GRID III<br>SINGLE ROW STRAIGHT<br>PIN HEADER<br>MOLEX INCORPORATED |  | SHEET NO.<br>2 OF 6 |  |  |
|   |  |                                                                   |                |                                                                                                                                 |                               |                                  |                | 4 PLACES ± --- ± ---<br>3 PLACES ± --- ± ---<br>2 PLACES ± --- ± ---<br>1 PLACE ± --- ± ---<br>ANGULAR ± ---° |                               | DRAWN BY DATE<br>JDENNEHY 2006/01/18<br>CHECKED BY DATE<br>DWASZKIEWICZ 2006/01/18<br>APPROVED BY DATE<br>JDENNEHY 2006/01/18 |                | TITLE                                                                                                                            |                               | DOCUMENT NO.<br>SDA-90120 |  |                           |  |                                                                       |  |                     |  |  |
|   |  | STANDARD PRODUCTS                                                 |                | K                                                                                                                               |                               | REV                              |                | DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS                                                    |                               | SEE CHART                                                                                                                     |                | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX<br>INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |                               |                           |  |                           |  |                                                                       |  |                     |  |  |
|   |  | ib_frame_A3_P_ME_T<br>Rev. D 2004/04/02                           |                | 9                                                                                                                               |                               | 8                                |                | 7                                                                                                             |                               | 6                                                                                                                             |                | 5                                                                                                                                |                               | 4                         |  | 3                         |  | 2                                                                     |  | 1                   |  |  |