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Part Number:

0901522160

Status:

Active

Overview:

cgrid\_sl\_products

Description:

2.54mm (.100") Pitch C-Grid III™ PC Board Connector, Dual Row, Right Angle, Straight PCB Pins 1.0µm (40µ") Tin (Sn), 60 Circuits

Documents:

3D Model

Drawing (PDF)

RoHS Certificate of Compliance (PDF)

General

Product Family

PCB Receptacles

Series

90152

Application

Board-to-Board

Overview

cgrid\_sl\_products

Product Name

C-Grid III™

Physical

Circuits (Loaded)

60

Color - Resin

Black

Glow-Wire Compliant

No

Guide to Mating Part

No

Keying to Mating Part

None

Lock to Mating Part

No

Material - Metal

Phosphor Bronze

Material - Plating Mating

Tin

Material - Plating Termination

Tin

Material - Resin

Polyester

Number of Rows

2

Orientation

Right Angle

PC Tail Length (in)

0.114 In

PC Tail Length (mm)

2.90 mm

PCB Locator

No

PCB Retention

None

PCB Thickness Recommended (in)

0.062 In

PCB Thickness Recommended (mm)

1.60 mm

Packaging Type

Tube

Pitch - Mating Interface (in)

0.100 In

Pitch - Mating Interface (mm)

2.54 mm

Plating min: Mating (µin)

40

Plating min: Mating (µm)

1.00

Plating min: Termination (µin)

40

Plating min: Termination (µm)

1.00

Polarized to PCB

No

Temperature Range - Operating

-55°C to +125°C

Termination Interface: Style

Through Hole

Electrical

Current - Maximum per Contact

3A

Grounding to PCB

No

Voltage - Maximum

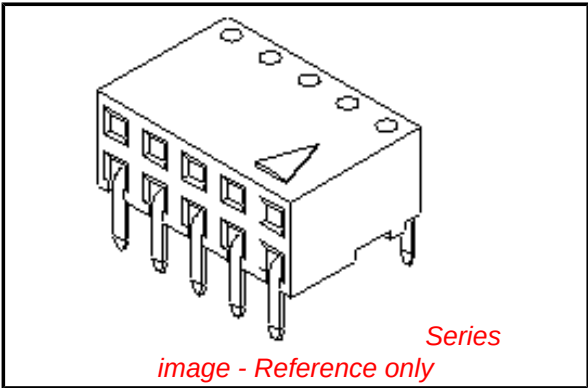
350V

Material Info

Reference - Drawing Numbers

Sales Drawing

SDA-90152



EU RoHS

ELV and RoHS

Compliant

REACH SVHC

Not Reviewed

Halogen-Free

Status

China RoHS



Need more information on product environmental compliance?

Email [productcompliance@molex.com](mailto:productcompliance@molex.com)

For a multiple part number RoHS Certificate of Compliance, [click here](#)

Please visit the [Contact Us](#) section for any non-product compliance questions.

Search Parts in this Series

90152Series

Mates With

90122 , 90131

This document was generated on 05/24/2010

**PLEASE CHECK [WWW.MOLEX.COM](http://WWW.MOLEX.COM) FOR LATEST PART INFORMATION**

F

E

D

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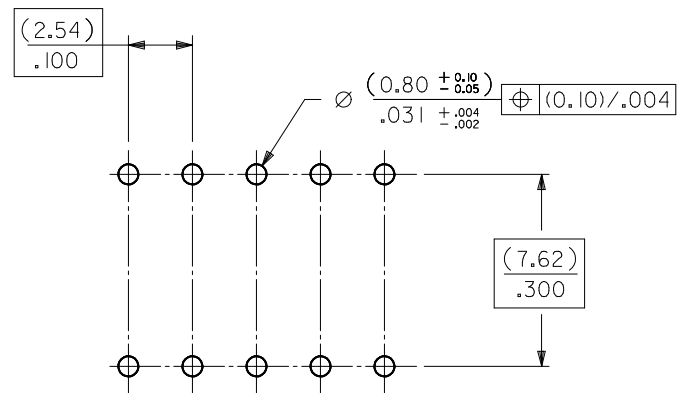
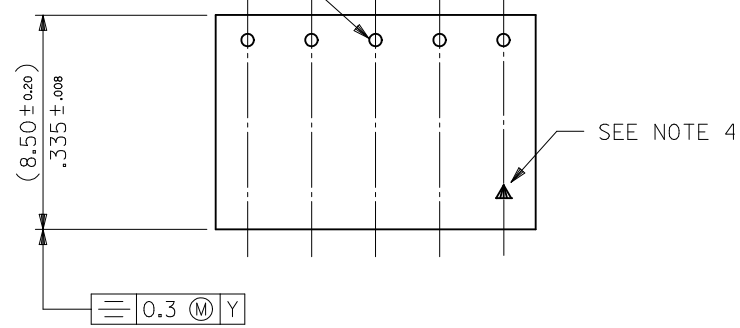
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TERMINAL RETENTION FEATURE

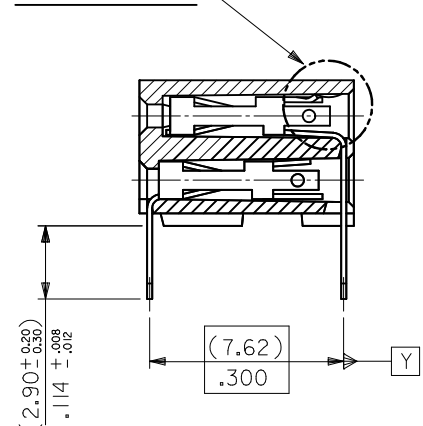


RECOMMENDED P.C. BOARD  
HOLE PATTERN

NOTES

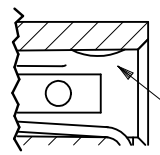
- 1) CONTACT-PLATED PHOSPHOR BRONZE.
- 2) HOUSING-15% GLASS FILLED POLYESTER. COLOUR-BLACK.
- 3) COMPATABLE WITH PCB HOLE PATTERN.
- 4) THIS MARK INDICATES CIRCUIT NO.1.
- 5) FOR  $(0.635) / .025$  SQ. MALE PINS THE LENGTH MUST BE  $(5.65) / .222$  MIN &  $(7.00) / .276$  MAX. TO ENSURE GOOD CONNECTION WITH CONTACT.
- 6) PRODUCT SPECIFICATION: PS-99020-0001
- 7) RECOMMENDED PCB THICKNESS 1.6MM

SEE DETAIL "A"



SECTION C-C

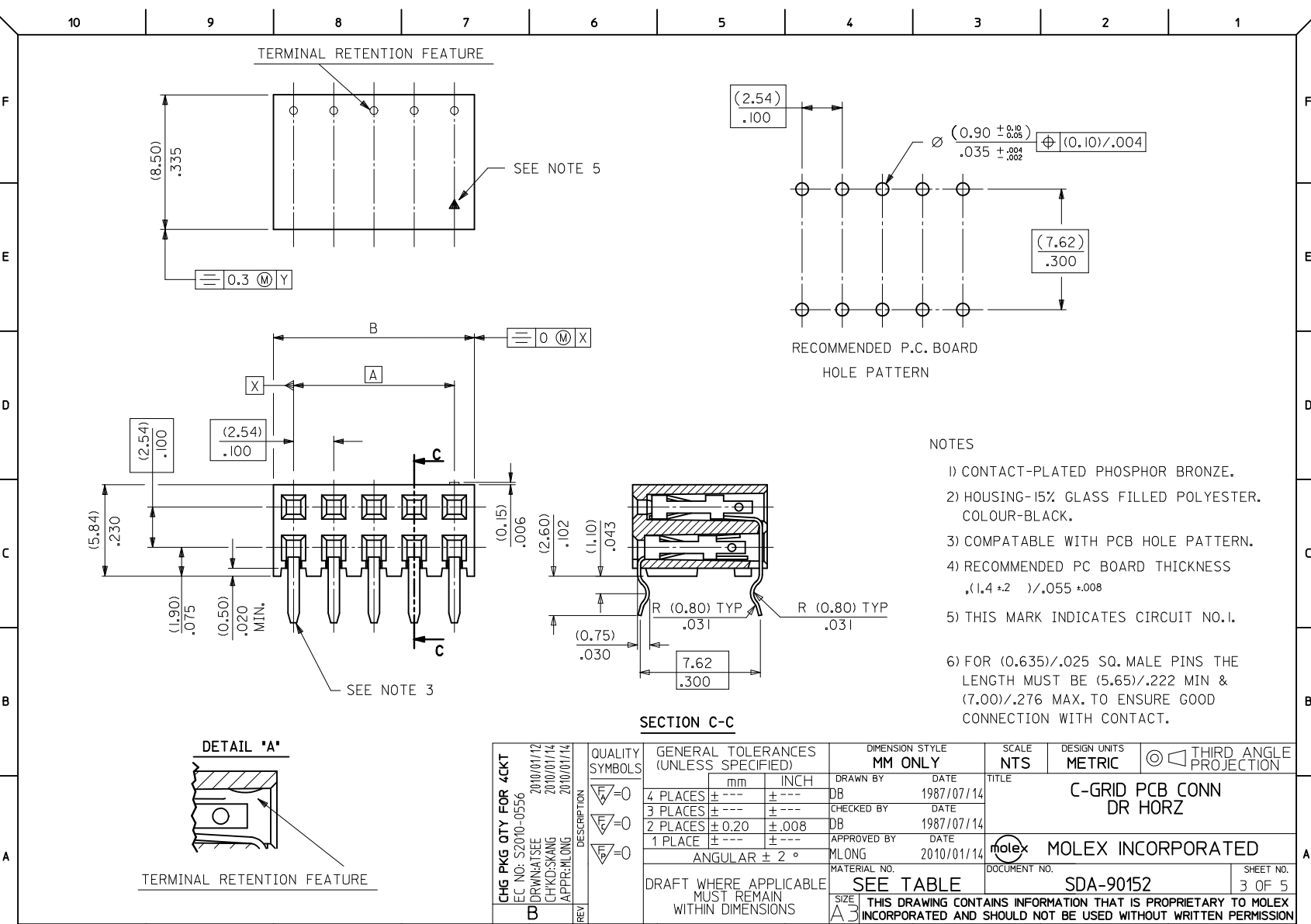
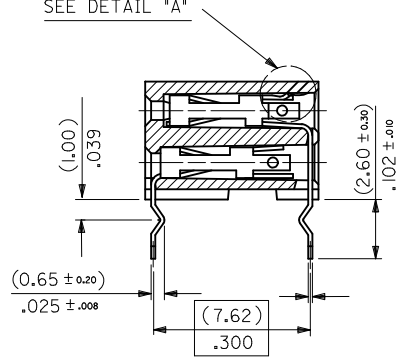
DETAIL "A"



TERMINAL RETENTION FEATURE

|                                                                                                                      |  |                 |        |                    |                                                                                                     |                                       |                    |                                     |                            |  |              |                                                                                                                               |                           |                    |
|----------------------------------------------------------------------------------------------------------------------|--|-----------------|--------|--------------------|-----------------------------------------------------------------------------------------------------|---------------------------------------|--------------------|-------------------------------------|----------------------------|--|--------------|-------------------------------------------------------------------------------------------------------------------------------|---------------------------|--------------------|
| CHG PKG QTY FOR 4CKT<br>EC NO: S2010-0556<br>DRWN:ATSEE 2010/01/12<br>CHKD:SKANG 2010/01/14<br>APPR:MLONG 2010/01/14 |  |                 |        | DESCRIPTION<br>REV | QUALITY SYMBOLS<br><div>F<sub>A</sub>=0</div> <div>F<sub>C</sub>=0</div> <div>F<sub>P</sub>=0</div> | GENERAL TOLERANCES (UNLESS SPECIFIED) |                    |                                     | DIMENSION STYLE<br>MM ONLY |  | SCALE<br>NTS | DESIGN UNITS<br>METRIC                                                                                                        | THIRD ANGLE<br>PROJECTION |                    |
|                                                                                                                      |  | mm              | INCH   |                    |                                                                                                     | DRAWN BY<br>DB                        | DATE<br>1987/07/14 | TITLE<br>C-GRID PCB CONN<br>DR HORZ |                            |  |              |                                                                                                                               |                           |                    |
|                                                                                                                      |  | 4 PLACES ± ---  | ± ---  |                    |                                                                                                     | CHECKED BY<br>DB                      |                    |                                     |                            |  |              |                                                                                                                               |                           | DATE<br>1987/07/14 |
|                                                                                                                      |  | 3 PLACES ± ---  | ± ---  |                    |                                                                                                     | APPROVED BY<br>MLONG                  |                    | DATE<br>2010/01/14                  | molex MOLEX INCORPORATED   |  |              |                                                                                                                               |                           |                    |
|                                                                                                                      |  | 2 PLACES ± 0.20 | ± .008 |                    |                                                                                                     |                                       |                    |                                     |                            |  |              |                                                                                                                               |                           |                    |
|                                                                                                                      |  | 1 PLACE ± ---   | ± ---  | ANGULAR ± 2 °      |                                                                                                     | MATERIAL NO.<br>SEE TABLE             |                    |                                     |                            |  |              |                                                                                                                               |                           |                    |
|                                                                                                                      |  |                 |        |                    |                                                                                                     |                                       |                    |                                     |                            |  |              | DOCUMENT NO.<br>SDA-90152                                                                                                     |                           |                    |
|                                                                                                                      |  |                 |        |                    |                                                                                                     | SHEET NO.<br>1 OF 5                   |                    |                                     |                            |  |              |                                                                                                                               |                           |                    |
|                                                                                                                      |  |                 |        |                    |                                                                                                     |                                       |                    |                                     |                            |  |              | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |                           |                    |
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| F | PART NO.          | CKT | DIM. A        |  | DIM. B<br><small>(+0.00<br/>-0.30<br/>+0.00<br/>-0.12)</small> |  | PCS/<br>TUBE | PLATING VERSION A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          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|   | 90152-XX04        | 4   | (2.54) .100   |  | (5.08) .200                                                    |  | 109          | PRE-PLATED HOT DIP TIN<br>1.0 TO 2.5 microns (.00004" TO .00010").                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 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|   | 06                | 6   | (5.08) .200   |  | (7.62) .300                                                    |  | 73           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    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|   | 08                | 8   | (7.62) .300   |  | (10.16) .400                                                   |  | 55           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    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|   | 10                | 10  | (10.16) .400  |  | (12.70) .500                                                   |  | 44           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    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|   | 12                | 12  | (12.70) .500  |  | (15.24) .600                                                   |  | 36           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    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|   | 14                | 14  | (15.24) .600  |  | (17.78) .700                                                   |  | 31           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    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|   | 16                | 16  | (17.78) .700  |  | (20.32) .800                                                   |  | 27           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    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|   | 18                | 18  | (20.32) .800  |  | (22.86) .900                                                   |  | 24           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    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|   | 20                | 20  | (22.86) .900  |  | (25.40) 1.000                                                  |  | 22           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    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| E | 22                | 22  |               |  |                                                                |  | 20           | PLATING VERSION E                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  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|   | 24                | 24  | (27.94) 1.100 |  | (30.48) 1.200                                                  |  | 18           | 1.27 TO 1.78 microns (.00005" TO .00007") NICKEL<br>OVERALL, 0.38 TO 0.64 microns (.000015" TO .000025")<br>GOLD ON CONTACT AREA (OVER NICKEL).<br>3 TO 5 microns (.00012" TO .00020") TIN<br>ON SOLDER TAILS (OVER NICKEL).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       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|   | 26                | 26  | (30.48) 1.200 |  | (33.02) 1.300                                                  |  | 16           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    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|   | 28                | 28  |               |  |                                                                |  | 14           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    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| D | 30                | 30  | (35.56) 1.400 |  | (38.10) 1.500                                                  |  | 14           | PLATING VERSION F                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  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|   | 32                | 32  |               |  |                                                                |  | 13           | 1.27 TO 1.78 microns (.00005" TO .00007") NICKEL<br>OVERALL, 0.76 TO 1.0 microns (.00003" TO .00004")<br>GOLD ON CONTACT AREA (OVER NICKEL).<br>3 TO 5 microns (.00012" TO .00020") TIN<br>ON SOLDER TAILS (OVER NICKEL).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          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|   | 34                | 34  | (40.64) 1.600 |  | (43.18) 1.700                                                  |  | 12           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    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|   | 36                | 36  | (43.18) 1.700 |  | (45.72) 1.800                                                  |  | 12           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    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|   | 38                | 38  | (45.72) 1.800 |  | (48.26) 1.900                                                  |  | 11           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    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|   | 40                | 40  | (48.26) 1.900 |  | (50.80) 2.000                                                  |  | 11           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    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|   | 42                | 42  |               |  |                                                                |  | 10           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    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|   | 44                | 44  | (53.34) 2.100 |  | (55.88) 2.200                                                  |  | 10           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    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|   | 46                | 46  |               |  |                                                                |  | 10           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    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|   | 48                | 48  |               |  |                                                                |  | 9            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    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| C | 50                | 50  | (60.96) 2.400 |  | (63.50) 2.500                                                  |  | 8            | PLATING VERSION G                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  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|   | 52                | 52  |               |  |                                                                |  | 8            | 1.27 TO 1.78 microns (.00005" TO .00007") NICKEL<br>OVERALL, 0.125 TO 0.20 microns (.000005" TO .0000079")<br>GOLD ON CONTACT AREA (OVER NICKEL).<br>3 TO 5 microns (.00012" TO .00020") TIN<br>ON SOLDER TAILS (OVER NICKEL).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     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|   | 54                | 54  |               |  |                                                                |  | 8            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    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|   | 56                | 56  | (68.58) 2.700 |  | (71.12) 2.800                                                  |  | 7            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    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|   | 58                | 58  |               |  |                                                                |  | 7            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    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|   | 60                | 60  | (73.66) 2.900 |  | (76.20) 3.000                                                  |  | 7            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    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| B | 62                | 62  |               |  |                                                                |  | 6            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    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|   | 90152-XX64        | 64  | (78.74) 3.100 |  | (81.28) 3.200                                                  |  | 5            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    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| A | STANDARD PRODUCTS |     |               |  |                                                                |  |              | 90152 - X X Y Y<br><div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></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- NOTES
- 1) CONTACT-PLATED PHOSPHOR BRONZE.
  - 2) HOUSING-15% GLASS FILLED POLYESTER, COLOUR-BLACK.
  - 3) COMPATABLE WITH PCB HOLE PATTERN.
  - 4) RECOMMENDED PC BOARD THICKNESS  
(1.4 ± .2) / .055 ± .008
  - 5) THIS MARK INDICATES CIRCUIT NO.1.
  - 6) FOR (0.635) / .025 SO. MALE PINS THE LENGTH MUST BE (5.65) / .222 MIN & (7.00) / .276 MAX. TO ENSURE GOOD CONNECTION WITH CONTACT.

|                                                                                                                              |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                            |  |                            |            |                                     |                                                                                                                                  |                                                                                              |  |           |  |  |  |
|------------------------------------------------------------------------------------------------------------------------------|-------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------|--|----------------------------|------------|-------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|--|-----------|--|--|--|
| CHG PKG QTY FOR 4CKT<br>EC NO: S2010-0556<br>DRWNAT/SEE 2010/01/12<br>CHKD:SKANG 2010/01/14<br>APPR:M LONG 2010/01/14<br>REV | DESCRIPTION | QUALITY SYMBOLS<br><div><div><div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div></div> <div><div><div></div></div></div> <div><div><div></div></div></div> <div><div><div></div></div></div> <div><div><div></div></div></div> | GENERAL TOLERANCES (UNLESS SPECIFIED)                      |  | DIMENSION STYLE<br>MM ONLY |            | SCALE<br>NTS                        | DESIGN UNITS<br>METRIC                                                                                                           | THIRD ANGLE PROJECTION<br><div><div><div></div></div><div><div><div></div></div></div></div> |  |           |  |  |  |
|                                                                                                                              |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | <div><div>mm</div><div>INCH</div></div>                    |  | DRAWN BY                   | DATE       | TITLE<br>C-GRID PCB CONN<br>DR HORZ |                                                                                                                                  |                                                                                              |  |           |  |  |  |
|                                                                                                                              |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 4 PLACES ± --- ± ---                                       |  | DB                         | 1987/07/14 |                                     |                                                                                                                                  |                                                                                              |  |           |  |  |  |
|                                                                                                                              |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 3 PLACES ± --- ± ---                                       |  | CHECKED BY                 |            | DATE                                |                                                                                                                                  |                                                                                              |  |           |  |  |  |
|                                                                                                                              |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 2 PLACES ± 0.20 ± .008                                     |  | DB                         |            | 1987/07/14                          |                                                                                                                                  |                                                                                              |  |           |  |  |  |
|                                                                                                                              |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 1 PLACE ± --- ± ---                                        |  | APPROVED BY                |            | DATE                                |                                                                                                                                  | molex MOLEX INCORPORATED                                                                     |  |           |  |  |  |
|                                                                                                                              |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | ANGULAR ± 2 °                                              |  | M LONG                     |            | 2010/01/14                          |                                                                                                                                  |                                                                                              |  |           |  |  |  |
|                                                                                                                              |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS |  | MATERIAL NO.               |            | DOCUMENT NO.                        |                                                                                                                                  |                                                                                              |  | SHEET NO. |  |  |  |
|                                                                                                                              |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                            |  | SIZE<br>A3                 |            | SEE TABLE                           |                                                                                                                                  |                                                                                              |  | SDA-90152 |  |  |  |
|                                                                                                                              |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                            |  |                            |            |                                     |                                                                                                                                  |                                                                                              |  |           |  |  |  |
|                                                                                                                              |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                            |  |                            |            |                                     |                                                                                                                                  |                                                                                              |  |           |  |  |  |
|                                                                                                                              |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                            |  |                            |            |                                     | 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 |                                                                                                                                                                                                                                                          |   |
|                                                                                                                               | PART NO.   | CKT | DIM. A  |       | DIM. B<br>(+0.00<br>-0.30<br>+0.00<br>-0.12) |       | PCS/<br>TUBE |                                         |                                                                                                                                                                                                                               |                                                                                                                                                                       |                                                                  |                                                                                                                               |   |   |   |   |   |  |   |                                                                                                                                                                                                                                                          |   |
| F                                                                                                                             | 90152-XX04 | 4   | (2.54)  | .100  | (5.08)                                       | .200  | 109          |                                         |                                                                                                                                                                                                                               |                                                                                                                                                                       |                                                                  |                                                                                                                               |   |   |   |   |   |  |   | PLATING VERSION A<br><br>PRE-PLATED HOT DIP TIN<br>1.0 TO 2.5 microns (.00004" TO .00010").                                                                                                                                                              | F |
|                                                                                                                               | 06         | 6   | (5.08)  | .200  | (7.62)                                       | .300  | 73           |                                         |                                                                                                                                                                                                                               |                                                                                                                                                                       |                                                                  |                                                                                                                               |   |   |   |   |   |  |   |                                                                                                                                                                                                                                                          |   |
|                                                                                                                               | 08         | 8   | (7.62)  | .300  | (10.16)                                      | .400  | 55           |                                         |                                                                                                                                                                                                                               |                                                                                                                                                                       |                                                                  |                                                                                                                               |   |   |   |   |   |  |   |                                                                                                                                                                                                                                                          |   |
|                                                                                                                               | 10         | 10  | (10.16) | .400  | (12.70)                                      | .500  | 44           |                                         |                                                                                                                                                                                                                               |                                                                                                                                                                       |                                                                  |                                                                                                                               |   |   |   |   |   |  |   |                                                                                                                                                                                                                                                          |   |
|                                                                                                                               | 12         | 12  | (12.70) | .500  | (15.24)                                      | .600  | 36           |                                         |                                                                                                                                                                                                                               |                                                                                                                                                                       |                                                                  |                                                                                                                               |   |   |   |   |   |  |   |                                                                                                                                                                                                                                                          |   |
| E                                                                                                                             | 14         | 14  | (15.24) | .600  | (17.78)                                      | .700  | 31           |                                         |                                                                                                                                                                                                                               |                                                                                                                                                                       |                                                                  |                                                                                                                               |   |   |   |   |   |  |   | PLATING VERSION E<br><br>1.27 TO 1.78 microns (.00005" TO .00007") NICKEL<br>OVERALL, 0.38 TO 0.64 microns (.000015" TO .000025")<br>GOLD ON CONTACT AREA (OVER NICKEL).<br>3 TO 5 microns (.00012" TO .00020") TIN<br>ON SOLDER TAILS (OVER NICKEL).    | E |
|                                                                                                                               | 16         | 16  | (17.78) | .700  | (20.32)                                      | .800  | 27           |                                         |                                                                                                                                                                                                                               |                                                                                                                                                                       |                                                                  |                                                                                                                               |   |   |   |   |   |  |   |                                                                                                                                                                                                                                                          |   |
|                                                                                                                               | 18         | 18  | (20.32) | .800  | (22.86)                                      | .900  | 24           |                                         |                                                                                                                                                                                                                               |                                                                                                                                                                       |                                                                  |                                                                                                                               |   |   |   |   |   |  |   |                                                                                                                                                                                                                                                          |   |
|                                                                                                                               | 20         | 20  | (22.86) | .900  | (25.40)                                      | 1.000 | 22           |                                         |                                                                                                                                                                                                                               |                                                                                                                                                                       |                                                                  |                                                                                                                               |   |   |   |   |   |  |   |                                                                                                                                                                                                                                                          |   |
|                                                                                                                               | 22         | 22  |         |       |                                              |       | 20           |                                         |                                                                                                                                                                                                                               |                                                                                                                                                                       |                                                                  |                                                                                                                               |   |   |   |   |   |  |   |                                                                                                                                                                                                                                                          |   |
| D                                                                                                                             | 24         | 24  | (27.94) | 1.100 | (30.48)                                      | 1.200 | 18           |                                         |                                                                                                                                                                                                                               |                                                                                                                                                                       |                                                                  |                                                                                                                               |   |   |   |   |   |  |   | PLATING VERSION F.<br><br>1.27 TO 1.78 microns (.00005" TO .00007") NICKEL<br>OVERALL, 0.76 TO 1.0 microns (.00003" TO .00004")<br>GOLD ON CONTACT AREA (OVER NICKEL).<br>3 TO 5 microns (.00012" TO .00020") TIN<br>ON SOLDER TAILS (OVER NICKEL).      | D |
|                                                                                                                               | 26         | 26  | (30.48) | 1.200 | (33.02)                                      | 1.300 | 16           |                                         |                                                                                                                                                                                                                               |                                                                                                                                                                       |                                                                  |                                                                                                                               |   |   |   |   |   |  |   |                                                                                                                                                                                                                                                          |   |
|                                                                                                                               | 28         | 28  |         |       |                                              |       | 14           |                                         |                                                                                                                                                                                                                               |                                                                                                                                                                       |                                                                  |                                                                                                                               |   |   |   |   |   |  |   |                                                                                                                                                                                                                                                          |   |
|                                                                                                                               | 30         | 30  | (35.56) | 1.400 | (38.10)                                      | 1.500 | 14           |                                         |                                                                                                                                                                                                                               |                                                                                                                                                                       |                                                                  |                                                                                                                               |   |   |   |   |   |  |   |                                                                                                                                                                                                                                                          |   |
|                                                                                                                               | 32         | 32  |         |       |                                              |       | 13           |                                         |                                                                                                                                                                                                                               |                                                                                                                                                                       |                                                                  |                                                                                                                               |   |   |   |   |   |  |   |                                                                                                                                                                                                                                                          |   |
| C                                                                                                                             | 34         | 34  | (40.64) | 1.600 | (43.18)                                      | 1.700 | 12           |                                         |                                                                                                                                                                                                                               |                                                                                                                                                                       |                                                                  |                                                                                                                               |   |   |   |   |   |  |   | PLATING VERSION G.<br><br>1.27 TO 1.78 microns (.00005" TO .00007") NICKEL<br>OVERALL, 0.125 TO 0.20 microns (.000005" TO .0000079")<br>GOLD ON CONTACT AREA (OVER NICKEL).<br>3 TO 5 microns (.00012" TO .00020") TIN<br>ON SOLDER TAILS (OVER NICKEL). | C |
|                                                                                                                               | 36         | 36  | (43.18) | 1.700 | (45.72)                                      | 1.800 | 12           |                                         |                                                                                                                                                                                                                               |                                                                                                                                                                       |                                                                  |                                                                                                                               |   |   |   |   |   |  |   |                                                                                                                                                                                                                                                          |   |
|                                                                                                                               | 38         | 38  | (45.72) | 1.800 | (48.26)                                      | 1.900 | 11           |                                         |                                                                                                                                                                                                                               |                                                                                                                                                                       |                                                                  |                                                                                                                               |   |   |   |   |   |  |   |                                                                                                                                                                                                                                                          |   |
|                                                                                                                               | 40         | 40  | (48.26) | 1.900 | (50.80)                                      | 2.000 | 11           |                                         |                                                                                                                                                                                                                               |                                                                                                                                                                       |                                                                  |                                                                                                                               |   |   |   |   |   |  |   |                                                                                                                                                                                                                                                          |   |
|                                                                                                                               | 42         | 42  |         |       |                                              |       | 10           |                                         |                                                                                                                                                                                                                               |                                                                                                                                                                       |                                                                  |                                                                                                                               |   |   |   |   |   |  |   |                                                                                                                                                                                                                                                          |   |
| B                                                                                                                             | 44         | 44  | (53.34) | 2.100 | (55.88)                                      | 2.200 | 10           |                                         |                                                                                                                                                                                                                               |                                                                                                                                                                       |                                                                  |                                                                                                                               |   |   |   |   |   |  |   | 90152-XXXX<br><br>INDICATES NO. OF CIRCUITS.<br><br>PLATING CODE.<br>31 = VERSION A.<br>32 = VERSION E.<br>33 = VERSION F.<br>35 = VERSION G.                                                                                                            | B |
|                                                                                                                               | 46         | 46  |         |       |                                              |       | 10           |                                         |                                                                                                                                                                                                                               |                                                                                                                                                                       |                                                                  |                                                                                                                               |   |   |   |   |   |  |   |                                                                                                                                                                                                                                                          |   |
|                                                                                                                               | 48         | 48  |         |       |                                              |       | 9            |                                         |                                                                                                                                                                                                                               |                                                                                                                                                                       |                                                                  |                                                                                                                               |   |   |   |   |   |  |   |                                                                                                                                                                                                                                                          |   |
|                                                                                                                               | 50         | 50  | (60.96) | 2.400 | (63.50)                                      | 2.500 | 8            |                                         |                                                                                                                                                                                                                               |                                                                                                                                                                       |                                                                  |                                                                                                                               |   |   |   |   |   |  |   |                                                                                                                                                                                                                                                          |   |
|                                                                                                                               | 52         | 52  |         |       |                                              |       | 8            |                                         |                                                                                                                                                                                                                               |                                                                                                                                                                       |                                                                  |                                                                                                                               |   |   |   |   |   |  |   |                                                                                                                                                                                                                                                          |   |
| A                                                                                                                             | 54         | 54  |         |       |                                              |       | 8            |                                         |                                                                                                                                                                                                                               |                                                                                                                                                                       |                                                                  |                                                                                                                               |   |   |   |   |   |  |   | C-GRID PCB CONN<br>DR HORZ<br><br>MOLEX INCORPORATED<br>SDA-90152<br>4 OF 5                                                                                                                                                                              | A |
|                                                                                                                               | 56         | 56  | (68.58) | 2.700 | (71.12)                                      | 2.800 | 7            |                                         |                                                                                                                                                                                                                               |                                                                                                                                                                       |                                                                  |                                                                                                                               |   |   |   |   |   |  |   |                                                                                                                                                                                                                                                          |   |
|                                                                                                                               | 58         | 58  |         |       |                                              |       | 7            |                                         |                                                                                                                                                                                                                               |                                                                                                                                                                       |                                                                  |                                                                                                                               |   |   |   |   |   |  |   |                                                                                                                                                                                                                                                          |   |
|                                                                                                                               | 60         | 60  | (73.66) | 2.900 | (76.20)                                      | 3.000 | 7            |                                         |                                                                                                                                                                                                                               |                                                                                                                                                                       |                                                                  |                                                                                                                               |   |   |   |   |   |  |   |                                                                                                                                                                                                                                                          |   |
|                                                                                                                               | 62         | 62  |         |       |                                              |       | 6            |                                         |                                                                                                                                                                                                                               |                                                                                                                                                                       |                                                                  |                                                                                                                               |   |   |   |   |   |  |   |                                                                                                                                                                                                                                                          |   |
|                                                                                                                               | 90152-XX64 | 64  | (78.74) | 3.100 | (81.28)                                      | 3.200 | 5            |                                         |                                                                                                                                                                                                                               |                                                                                                                                                                       |                                                                  |                                                                                                                               |   |   |   |   |   |  |   |                                                                                                                                                                                                                                                          |   |
| CHG PKG QTY FOR 4CKT<br>EC NO: S2010-0556<br>DRWN:ATSEE 2010/01/12<br>CHKD:SKANG 2010/01/14<br>APPR:MLONG 2010/01/14<br>REV B |            |     |         |       |                                              |       |              | QUALITY SYMBOLS<br>▽A=0<br>▽C=0<br>▽P=0 | GENERAL TOLERANCES (UNLESS SPECIFIED)<br>mm INCH<br>4 PLACES ± --- ± ---<br>3 PLACES ± --- ± ---<br>2 PLACES ± 0.20 ± .008<br>1 PLACE ± --- ± ---<br>ANGULAR ± 2 °<br>DRAFT WHERE APPLICABLE<br>MUST REMAIN WITHIN DIMENSIONS | DIMENSION STYLE<br>MM ONLY<br>DRAWN BY DATE<br>DB 1987/07/14<br>CHECKED BY DATE<br>DB 1987/07/14<br>APPROVED BY DATE<br>MLONG 2010/01/14<br>MATERIAL NO.<br>SEE TABLE | SCALE<br>NTS<br>DESIGN UNITS<br>METRIC<br>THIRD ANGLE PROJECTION | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |   |   |   |   |   |  |   |                                                                                                                                                                                                                                                          |   |
| fb_frame_A3_P_AM_T<br>Rev. F 2009/06/18                                                                                       |            |     |         |       |                                              |       |              | 9                                       | 8                                                                                                                                                                                                                             | 7                                                                                                                                                                     | 6                                                                | 5                                                                                                                             | 4 | 3 | 2 | 1 |   |  |   |                                                                                                                                                                                                                                                          |   |

| PART NUMBER | CKT. SIZE | PIN VOID | KINKED PINS | NO. PER TUBE |
|-------------|-----------|----------|-------------|--------------|
| 90152-6234  | 2 X 17    | 21       | NONE        | 12           |
| 90152-5242  | 2 X 21    | 5        | NONE        | 10           |
| 90152-7130  | 2 X 15    | NONE     | 1,2 & 29,30 | 14           |

#### NOTES

- 1) FOR DIMENSIONS SEE SHEET 1.
- 2) THIS MARK INDICATES CIRCUIT NO.1.
- 3) SOLDER TAIL OF TERMINAL IN VOIDED CAVITY MUST BE CROPPED AS SHOWN OR TERMINAL REMOVED.

90152-XXYY

INDICATES NO. OF CIRCUITS.

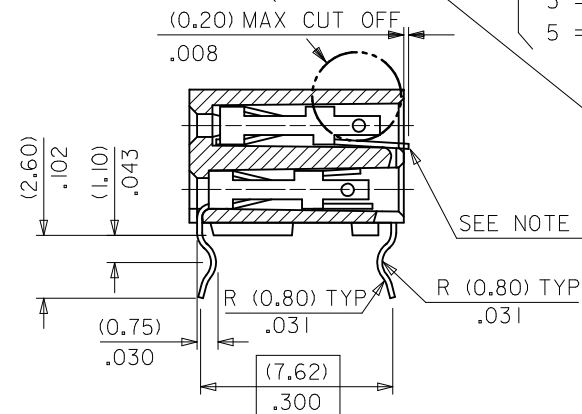
PLATING CODE.

- 1 = VERSION A.
- 2 = VERSION E.
- 3 = VERSION F.
- 5 = VERSION G.

OPTIONS

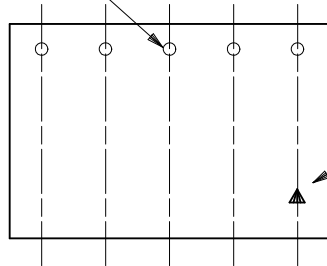
- 2 = REGULAR
- 3 = KINKED
- 5 = VOIDS
- 6 = KINKS & VOIDS
- 7 = SELECTIVE KINKS

SEE DETAIL "A"

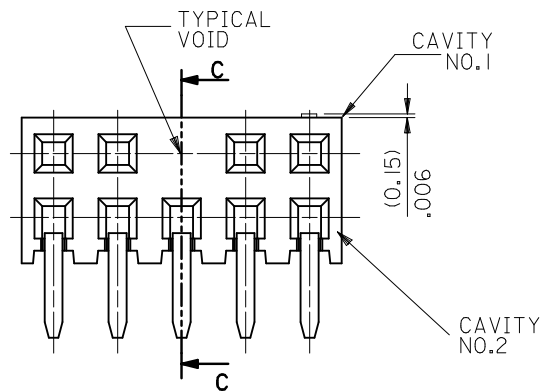


#### SECTION C-C

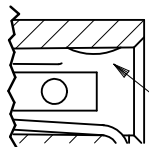
TERMINAL RETENTION FEATURE



SEE NOTE 2.



DETAIL "A"



TERMINAL RETENTION FEATURE

|                      |  |  |                   |  |                                                            |  |                            |  |                                                                                                                                  |                        |                            |  |
|----------------------|--|--|-------------------|--|------------------------------------------------------------|--|----------------------------|--|----------------------------------------------------------------------------------------------------------------------------------|------------------------|----------------------------|--|
| CHG PKG QTY FOR 4CKT |  |  | QUALITY SYMBOLS   |  | GENERAL TOLERANCES (UNLESS SPECIFIED)                      |  | DIMENSION STYLE<br>MM ONLY |  | SCALE<br>NTS                                                                                                                     | DESIGN UNITS<br>METRIC | THIRD ANGLE<br>PROJECTION  |  |
| EC NO: S2010-0556    |  |  | DESCRIPTION       |  | mm                                                         |  | DRAWN BY                   |  | TITLE                                                                                                                            |                        | C-GRID PCB CONN<br>DR HORZ |  |
| 2010/01/12           |  |  | F <sub>A</sub> =0 |  | INCH                                                       |  | DATE                       |  | 1987/07/14                                                                                                                       |                        |                            |  |
| 2010/01/12           |  |  | F <sub>E</sub> =0 |  | 4 PLACES ± ---                                             |  | CHECKED BY                 |  | DATE                                                                                                                             |                        |                            |  |
| 2010/01/14           |  |  | F <sub>P</sub> =0 |  | 3 PLACES ± ---                                             |  | DB                         |  | 1987/07/14                                                                                                                       |                        |                            |  |
| 2010/01/14           |  |  |                   |  | 2 PLACES ± 0.20                                            |  | APPROVED BY                |  | DATE                                                                                                                             |                        | MOLEX INCORPORATED         |  |
|                      |  |  |                   |  | 1 PLACE ± ---                                              |  | MLONG                      |  | 2010/01/14                                                                                                                       |                        |                            |  |
|                      |  |  |                   |  | ANGULAR ± 2 °                                              |  | MATERIAL NO.               |  | DOCUMENT NO.                                                                                                                     |                        |                            |  |
|                      |  |  |                   |  | DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS |  | SIZE<br>A3                 |  | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX<br>INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |                        |                            |  |
| B                    |  |  | REV               |  |                                                            |  |                            |  | SDA-90152                                                                                                                        |                        | SHEET NO.<br>5 OF 5        |  |

C-GRID PCB CONN  
DR HORZ



MOLEX INCORPORATED

SDA-90152

SHEET NO.

5 OF 5

SEE CHART

PART NO.

SDA-90152

DWG. NO.

| PART NO.   | NO.OF CKTS. | DIM. A   |       | DIM. B <sup>(+0.00<br/>0.30<br/>+ .000<br/>-.012</sup> |       | NO. PER TUBE |
|------------|-------------|----------|-------|--------------------------------------------------------|-------|--------------|
| 90152-XX04 | 4           | ( 2.54 ) | .100  | ( 5.08 )                                               | .200  | 110          |
| ▲▲06       | 6           | ( 5.08 ) | .200  | ( 7.62 )                                               | .300  | 73           |
| ▲08        | 8           | ( 7.62 ) | .300  | (10.16)                                                | .400  | 55           |
| 10         | 10          | (10.16)  | .400  | (12.70)                                                | .500  | 44           |
| 12         | 12          | (12.70)  | .500  | (15.24)                                                | .600  | 36           |
| 14         | 14          | (15.24)  | .600  | (17.78)                                                | .700  | 31           |
| 16         | 16          | (17.78)  | .700  | (20.32)                                                | .800  | 27           |
| 18         | 18          | (20.32)  | .800  | (22.86)                                                | .900  | 24           |
| 20         | 20          | (22.86)  | .900  | (25.40)                                                | 1.000 | 22           |
| 22         | 22          |          |       |                                                        |       | 20           |
| 24         | 24          | (27.94)  | 1.100 | (30.48)                                                | 1.200 | 18           |
| 26         | 26          | (30.48)  | 1.200 | (33.02)                                                | 1.300 | 16           |
| 28         | 28          |          |       |                                                        |       | 14           |
| 30         | 30          | (35.56)  | 1.400 | (38.10)                                                | 1.500 | 14           |
| 32         | 32          |          |       |                                                        |       | 13           |
| 34         | 34          | (40.64)  | 1.600 | (43.18)                                                | 1.700 | 12           |
| 36         | 36          | (43.18)  | 1.700 | (45.72)                                                | 1.800 | 12           |
| 38         | 38          | (45.72)  | 1.800 | (48.26)                                                | 1.900 | 11           |
| 40         | 40          | (48.26)  | 1.900 | (50.80)                                                | 2.000 | 11           |
| 42         | 42          |          |       |                                                        |       | 10           |
| 44         | 44          | (53.34)  | 2.100 | (55.88)                                                | 2.200 | 10           |
| 46         | 46          |          |       |                                                        |       | 10           |
| 48         | 48          |          |       |                                                        |       | 9            |
| 50         | 50          | (60.96)  | 2.400 | (63.50)                                                | 2.500 | 8            |
| 52         | 52          |          |       |                                                        |       | 8            |
| 54         | 54          |          |       |                                                        |       | 8            |
| 56         | 56          | (68.58)  | 2.700 | (71.12)                                                | 2.800 | 7            |
| 58         | 58          |          |       |                                                        |       | 7            |
| 60         | 60          | (73.66)  | 2.900 | (76.20)                                                | 3.000 | 7            |
| ▼▼62       | 62          |          |       |                                                        |       | 6            |
| 90152-XX64 | 64          | (78.74)  | 3.100 | (81.28)                                                | 3.200 | 5            |

PLATING VERSION A

PRE-PLATED HOT DIP TIN  
1.0 TO 2.5 microns (.00004" TO .00010").

PLATING VERSION E

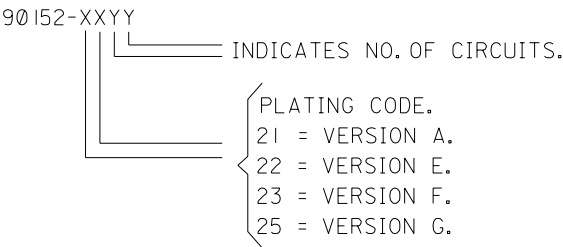
1.27 TO 1.78 microns (.00005" TO .00007") NICKEL  
OVERALL, 0.38 TO 0.64 microns (.000015" TO .000025")  
GOLD ON CONTACT AREA (OVER NICKEL).  
3 TO 5 microns (.00012" TO .00020") TIN  
ON SOLDER TAILS (OVER NICKEL).

PLATING VERSION F.

1.27 TO 1.78 microns (.00005" TO .00007") NICKEL  
OVERALL, 0.76 TO 1.0 microns (.00003" TO .00004")  
GOLD ON CONTACT AREA (OVER NICKEL).  
3 TO 5 microns (.00012" TO .00020") TIN  
ON SOLDER TAILS (OVER NICKEL).

PLATING VERSION G.

1.27 TO 1.78 microns (.00005" TO .00007") NICKEL  
OVERALL, 0.125 TO 0.20 microns (.000005" TO .0000079")  
GOLD ON CONTACT AREA (OVER NICKEL).  
3 TO 5 microns (.00012" TO .00020") TIN  
ON SOLDER TAILS (OVER NICKEL).



STANDARD PRODUCTS

FOR PREVIOUS  
DRAWING ISSUES  
SEE MRI.

|                                                                                                              |  |                                      |                                           |  |                                                         |                                                                                      |                                                                                                                                |                                                                                                           |  |           |                       |     |
|--------------------------------------------------------------------------------------------------------------|--|--------------------------------------|-------------------------------------------|--|---------------------------------------------------------|--------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------|--|-----------|-----------------------|-----|
| LEAD FREE CONVERSION<br>NEW BORDER ADDED<br>EC NO. E2004-0610<br>DRAWN: PSHEAHAN 08/01/2004<br>CHK:<br>APPR: |  | QUALITY SYMBOLS<br>MAJOR<br>CRITICAL | GENERAL TOLERANCES:<br>(UNLESS SPECIFIED) |  | SCALE<br>5:1                                            | DESIGN UNITS<br><input checked="" type="checkbox"/> mm <input type="checkbox"/> INCH | THIRD ANGLE<br>PROJECTION                                                                                                      | DIMENSIONS:<br><input type="checkbox"/> mm <input type="checkbox"/> INCH <input type="checkbox"/> mm ONLY |  |           | SHT                   | REV |
| AD                                                                                                           |  |                                      | 4 PLACES ±0.     ±.                       |  | DRAWN BY & DATE<br>DB 14/ 7/87                          |                                                                                      |                                                                                                                                | TITLE: C-GRID III<br>DUAL ROW HORIZONTAL<br>P.C. BOARD CONNECTOR                                          |  |           | REVISE ON<br>CAD ONLY |     |
|                                                                                                              |  | DESCRIPTION<br>REV                   | 3 PLACES ±0.     ±.                       |  | CHECKED BY & DATE                                       |                                                                                      | MATERIAL NO.<br>SEE CHART                                                                                                      | MOLEX INCORPORATED                                                                                        |  |           |                       |     |
|                                                                                                              |  |                                      | 2 PLACES ±0.     ±.                       |  | APPROVED BY & DATE                                      |                                                                                      |                                                                                                                                | DRAWING NO. SDA-90152                                                                                     |  |           | SHEET NO.<br>20F      |     |
|                                                                                                              |  |                                      | 1 PLACE ±0.     ±.                        |  | CAD FILENAME S90152x2 DGN                               |                                                                                      | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION. |                                                                                                           |  | SIZE<br>B |                       |     |
|                                                                                                              |  |                                      | ANGULAR: ± 0                              |  | DRAFT WHERE APPLICABLE MUST<br>REMAIN WITHIN DIMENSIONS |                                                                                      |                                                                                                                                |                                                                                                           |  |           |                       |     |