

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

**Part Number:** [0908580502](#)  
**Status:** **Active**  
**Overview:** [rast\\_5\\_connector\\_system](#)  
**Description:** 5.00mm (.197") Pitch Appli-Mate RAST 5 Header, Vertical, 3 Circuits, Reference K01

**Documents:**  
[3D Model](#)  
[Drawing \(PDF\)](#)  
[Packaging Specification \(PDF\)](#)  
[Product Specification PS-99020-0037 \(PDF\)](#)  
[RoHS Certificate of Compliance \(PDF\)](#)

**Agency Certification**

CSA LR19980  
UL E29179

**General**

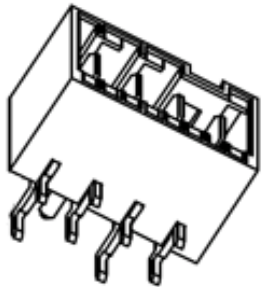
Product Family PCB Headers  
Series [90858](#)  
Application Wire-to-Board  
Overview [rast\\_5\\_connector\\_system](#)  
Product Name RAST 5

**Physical**

Breakaway No  
Circuits (Loaded) 3  
Circuits (maximum) 3  
Color - Resin Natural  
Durability (mating cycles max) 10  
First Mate / Last Break No  
Flammability 94V-0  
Glow-Wire Compliant No  
Guide to Mating Part No  
Keying to Mating Part None  
Lock to Mating Part None  
Material - Metal Brass  
Material - Plating Mating Tin  
Material - Plating Termination Tin  
Number of Rows 1  
Orientation Vertical  
PC Tail Length (in) 0.138 In  
PC Tail Length (mm) 3.50 mm  
PCB Locator Yes  
PCB Retention None  
PCB Thickness Recommended (in) 0.055 In  
PCB Thickness Recommended (mm) 1.40 mm  
Packaging Type Bag  
Pitch - Mating Interface (in) 0.197 In  
Pitch - Mating Interface (mm) 5.00 mm  
Polarized to PCB Yes  
Shrouded Fully  
Stackable Yes  
Surface Mount Compatible (SMC) No  
Temperature Range - Operating -20°C to +85°C  
Termination Interface: Style Through Hole

**Electrical**

Current - Maximum per Contact 16A



Series

image - Reference only

**EU RoHS**  
**ELV and RoHS**  
**Compliant**  
**REACH SVHC**  
**Contains SVHC: No**  
**Halogen-Free**  
**Status**  
**Not Halogen-Free**

**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**  
[90858Series](#)

**Mates With**  
Appli-Mate 5.0 IDT Connector System  
Female Receptacle [90835](#) , [90833](#)

Voltage - Maximum250V

Material Info

Reference - Drawing Numbers

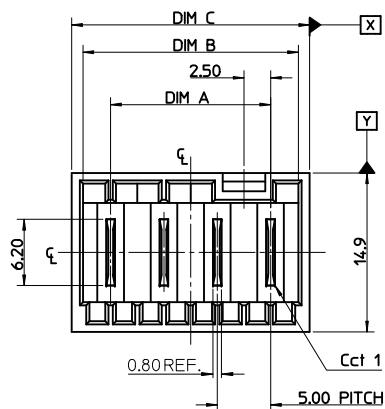
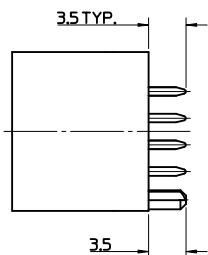
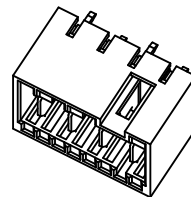
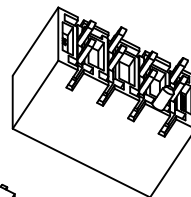
Packaging SpecificationPK-90858-001

Product SpecificationPS-99020-0037

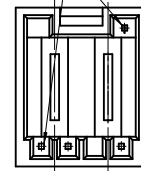
Sales DrawingSD-90858-001

This document was generated on 06/08/2010

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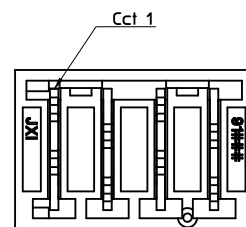
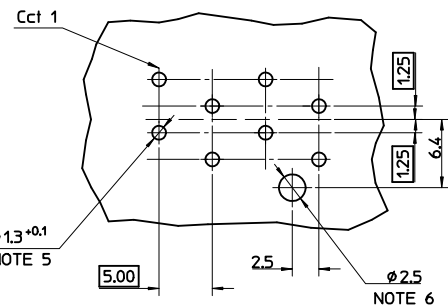
HOLES ON SOME TOOLED VERSIONS



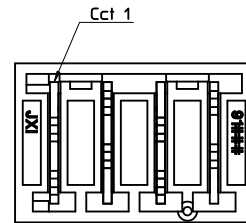
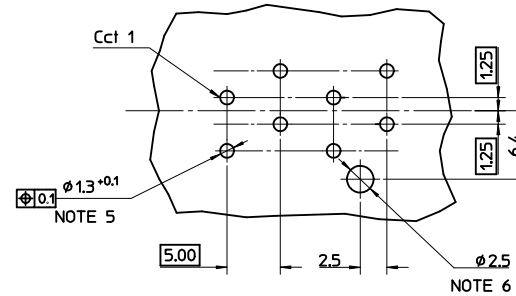
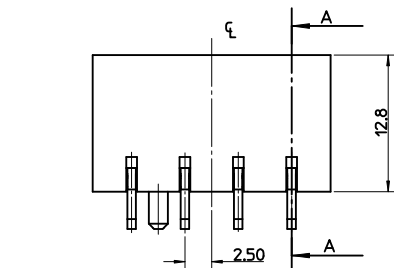
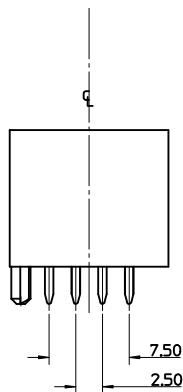
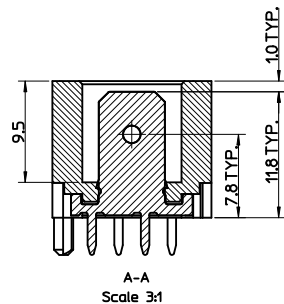
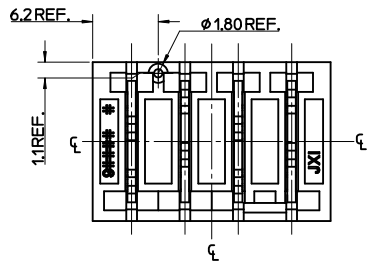
| CCT | DIM A | DIM B | DIM C | TOL     |
|-----|-------|-------|-------|---------|
| 2   | 5.00  | 10.20 | 12.30 |         |
| 3   | 10.00 | 15.20 | 17.30 |         |
| 4   | 15.00 | 20.20 | 22.30 |         |
| 5   | 20.00 | 25.20 | 27.30 |         |
| 6   | 25.00 | 30.20 | 32.30 |         |
| 7   | 30.00 | 35.20 | 37.30 |         |
| 8   | 35.00 | 40.20 | 42.30 |         |
| 9   | 40.00 | 45.20 | 47.30 |         |
| 10  | 45.00 | 50.20 | 52.30 |         |
| 11  | 50.00 | 55.20 | 57.30 |         |
| 12  | 55.00 | 60.20 | 62.30 | +/-0.30 |

### RECOMMENDED PCB LAYOUT

P.C.B. POLARISATION  
OPTION "B"



P.C.B. POLARISATION  
OPTION "A"



- NOTES:
1. MATERIALS  
HOUSING: 30% GLASS-FILLED PBT, UL94 V-0  
TERMINAL: BRASS 0.80 REF. THICK  
PLATING: OPTIONAL (SEE CHARTS SHEETS 2-9)  
54µm TIN OVER  
2.54µm NICKEL ALLOVER  
SELECTIVE SILVER  
24µm MIN SILVER  
2.54µm NICKEL ALLOVER
  2. PRODUCT CONFORMS TO SPECIFICATION PS-99020-0037
  3. MATES WITH MOLEX 91338, 90833, 90835, 91777, 91778 & 91779
  4. PARTS PACKAGED LOOSE IN PLASTIC BAGS
  5. PLATED THRU HOLE
  6. NON-PLATED THRU HOLE
  7. RECOMMENDED PCB THICKNESS: 1.4±0.1mm
  8. PCB VIEW IS FROM SOLDER SIDE

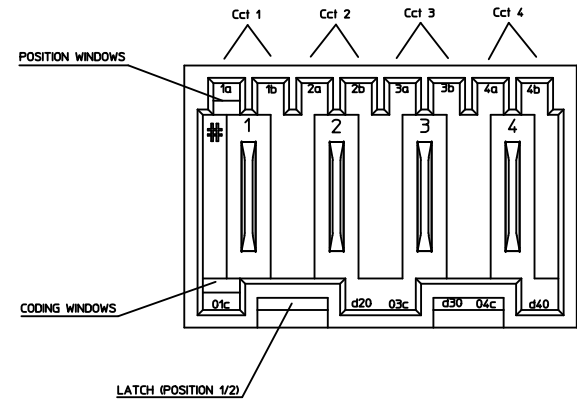
|                                                                                                                               |                               |                                       |                         |                                                                                                                               |                              |                     |                        |                        |
|-------------------------------------------------------------------------------------------------------------------------------|-------------------------------|---------------------------------------|-------------------------|-------------------------------------------------------------------------------------------------------------------------------|------------------------------|---------------------|------------------------|------------------------|
| MOULD PROCESS CHANGE<br>EC NO: E2010-0370<br>DRAWN: BRUTTE 2010/05/13<br>CHKD: IDENEY 2004/05/27<br>APPR: BMAGUIRE 2010/06/08 | QUALITY SYMBOLS<br>▽=0<br>▽=0 | GENERAL TOLERANCES (UNLESS SPECIFIED) |                         | DIMENSION STYLE<br>MM ONLY                                                                                                    |                              | SCALE<br>1:1        | DESIGN UNITS<br>METRIC | THIRD ANGLE PROJECTION |
|                                                                                                                               |                               | 4 PLACES ± --- ± ---                  | DRAWN BY<br>NMCNAMAR    | DATE<br>2004/05/26                                                                                                            | TITLE<br>RAST 5 VERT HDR     |                     |                        |                        |
|                                                                                                                               |                               | 3 PLACES ± --- ± ---                  | CHECKED BY<br>JIDENEY   | DATE<br>2004/05/27                                                                                                            | MOLEX MOLEX INCORPORATED     |                     |                        |                        |
|                                                                                                                               |                               | 2 PLACES ± 0.1 ± ---                  | APPROVED BY<br>BMAGUIRE | DATE<br>2004/05/28                                                                                                            | DOCUMENT NO.<br>SD-90858-001 |                     |                        |                        |
| 1 PLACE ± 0.2 ± ---                                                                                                           |                               | ANGULAR ± 2 °                         |                         | MATERIAL NO.                                                                                                                  |                              | SHEET NO.<br>1 OF 7 |                        |                        |
| DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS                                                                    |                               | SEE SHEETS 2-7                        |                         | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |                              |                     |                        |                        |

2 CIRCUIT

SEE CODE DESIGNATION TABLE FOR NUMBERING  
FORMAT WHEN ADDING NEW PART NUMBERS

P.C.B.  
POLARISATION  
OPTION

| PART NO.<br>(TIN) | CLOUR   | UNBLOCKED<br>POSITION KEYS | UNBLOCKED<br>CODING KEYS | LATCH<br>POSITION | CONFIGURATION<br>(SEE NOTES) | REF | PART NO.<br>(SILVER) | P.C.B.<br>POLARISATION<br>OPTION |
|-------------------|---------|----------------------------|--------------------------|-------------------|------------------------------|-----|----------------------|----------------------------------|
| 90858-0003        | NATURAL | 1b 2a                      | 01c d20                  | 1/2               |                              | K01 | 90858-0499           | A                                |
| 90858-0004        | NATURAL | 1a 2b                      | 01c                      | 1/2               |                              | K02 | 90858-0482           | A                                |
| 90858-0007        | NATURAL | 1b 2b                      | 01c                      | 1/2               |                              | K09 | 90858-0497           | A                                |
| 90858-0018        | NATURAL | 2a                         | 01c, d20                 | 1/2               |                              | K03 | 90858-0495           | A                                |
| 90858-0019        | NATURAL | 1a 2b                      | d20                      | 1/2               |                              | K05 | 90858-0478           | A                                |
| 90858-0021        | NATURAL | 1b                         | 01c, d20                 | 1/2               |                              | K16 | 90858-0492           | A                                |
| 90858-0022        | NATURAL | 1a 2b                      | NONE                     | 1/2               |                              | K06 | 90858-0491           | A                                |
| 90858-0027        | NATURAL | 2b                         | NONE                     | 1/2               |                              | K11 | 90858-0487           | A                                |
| 90858-0029        | NATURAL | 1a 1b                      | d20                      | 1/2               |                              | K13 | 90858-0486           | A                                |
| 90858-0030        | NATURAL | 2a 2b                      | NONE                     | 1/2               |                              | K31 | 90858-0485           | A                                |
| 90858-0032        | NATURAL | 2b                         | d20                      | 1/2               |                              | K38 | 90858-0484           | A                                |
| 90858-0047        | NATURAL | 1a 2a                      | 01c d20                  | 1/2               |                              | K44 | 90858-0483           | A                                |
| 90858-0055        | NATURAL | 1a 1b                      | NONE                     | 1/2               |                              | K40 | 90858-0480           | A                                |
| 90858-0020        | NATURAL | 1a 1b                      | 01c                      | 1/2               |                              | K04 | 90858-0475           | A                                |
| 90858-0054        | NATURAL | 2b                         | 01c d20                  | 1/2               |                              | K15 | 90858-0476           | A                                |
| 90858-0057        | NATURAL | 1a                         | 01c d20                  | 1/2               |                              | K12 | 90858-0477           | A                                |
| 90858-0058        | NATURAL | 1a 2a                      | 01c                      | 1/2               |                              | K10 | 90858-0472           | A                                |
| 90858-0059        | NATURAL | ALL                        | d20                      | 1/2               |                              | K34 | 90858-0474           | A                                |
| 90858-0060        | NATURAL | 1b 2a 2b                   | d20                      | 1/2               |                              | K07 | 90858-0473           | A                                |
| 90858-0061        | NATURAL | 1b 2a                      | 01c d20                  | 1/2               |                              | K01 | 90858-0471           | B                                |
|                   |         |                            |                          |                   |                              |     |                      |                                  |
|                   |         |                            |                          |                   |                              |     |                      |                                  |
|                   |         |                            |                          |                   |                              |     |                      |                                  |



KEYING, CODING & LATCH POSITION  
(4CCT EXAMPLE SHOWN)  
VIEW INMATING DIRECTION

|                                                                                                                                       |                                                      |                                                                                                                                                                  |                                                                                                                                                               |                                                                  |                                                                                                                               |                              |                              |                     |
|---------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|------------------------------|------------------------------|---------------------|
| SEE SHEET 1<br>EC NO: E2010-0370<br>DRAWN BY: DRWNBUTTE<br>CHKD: J DENNEY<br>APPR: BMAGUIRE<br>2010/05/13<br>2004/05/27<br>2010/06/08 | QUALITY SYMBOLS<br>▽=0<br>▽=0                        | GENERAL TOLERANCES (UNLESS SPECIFIED)<br>mm INCH<br>4 PLACES ± --- ± ---<br>3 PLACES ± --- ± ---<br>2 PLACES ± 0.1 ± ---<br>1 PLACE ± 0.2 ± ---<br>ANGULAR ± 2 ° | DIMENSION STYLE<br>MM ONLY<br>DRAWN BY: NMCNAMAR<br>DATE: 2004/05/26<br>CHECKED BY: J DENNEY<br>DATE: 2004/05/27<br>APPROVED BY: BMAGUIRE<br>DATE: 2004/05/28 | SCALE<br>1:1<br>DESIGN UNITS<br>METRIC<br>THIRD ANGLE PROJECTION | TITLE<br>RAST 5 VERT HDR                                                                                                      | MATERIAL NO.<br>SD-90858-001 | DOCUMENT NO.<br>SD-90858-001 | SHEET NO.<br>2 OF 7 |
|                                                                                                                                       | DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS |                                                                                                                                                                  | SEE CHART                                                                                                                                                     |                                                                  | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |                              |                              |                     |
|                                                                                                                                       |                                                      |                                                                                                                                                                  |                                                                                                                                                               |                                                                  |                                                                                                                               |                              |                              |                     |
|                                                                                                                                       |                                                      |                                                                                                                                                                  |                                                                                                                                                               |                                                                  |                                                                                                                               |                              |                              |                     |
|                                                                                                                                       |                                                      |                                                                                                                                                                  |                                                                                                                                                               |                                                                  |                                                                                                                               |                              |                              |                     |

## 3 CIRCUIT

SEE CODE DESIGNATION TABLE FOR NUMBERING  
FORMAT WHEN ADDING NEW PART NUMBERSP.C.B.  
POLARISATION  
OPTION

| PART NO.<br>(TIN) | COLOUR  | UNBLOCKED<br>POSITION KEYS | UNBLOCKED<br>CODING KEYS | LATCH<br>POSITION | CONFIGURATION<br>(SEE NOTES) | REF | PART NO.<br>(SILVER) | P.C.B.<br>POLARISATION<br>OPTION |
|-------------------|---------|----------------------------|--------------------------|-------------------|------------------------------|-----|----------------------|----------------------------------|
| 90858-0502        | NATURAL | 1b                         | 01c, d20                 | 1/2               |                              | K01 | 90858-1249           | A                                |
| 90858-0508        | NATURAL | 1a                         | 03c                      | 1/2               |                              | K04 | 90858-1248           | A                                |
| 90858-0511        | NATURAL | 1a 1b                      | d30                      | 1/2               |                              | K05 | 90858-1247           | A                                |
| 90858-0512        | NATURAL | 1a 3b                      | 01c                      | 1/2               |                              | K06 | 90858-1246           | A                                |
| 90858-0513        | NATURAL | 1b                         | d20 03c                  | 1/2               |                              | K09 | 90858-1245           | A                                |
| 90858-0524        | NATURAL | 1b 2a 2b                   | d30                      | 1/2               |                              | K33 | 90858-1244           | A                                |
| 90858-0525        | NATURAL | 2b                         | d20                      | 1/2               |                              | K56 | 90858-1243           | A                                |
| 90858-0528        | NATURAL | ALL                        | d10 d30                  | 2/3               |                              | K38 | 90858-1242           | A                                |
| 90858-0527        | NATURAL | ALL                        | d20                      | 1/2               |                              | K40 | 90858-1240           | A                                |
| 90858-0526        | NATURAL | 2b 3b                      | d10 02c                  | 2/3               |                              | K02 | 90858-1241           | A                                |
| 90858-0529        | NATURAL | 1b                         | 01c d20                  | 1/2               |                              |     | 90858-1239           | A                                |
| 90858-0530        | NATURAL | 3b                         | d10, d30                 | 2/3               |                              |     | 90858-1238           | A                                |
| 90858-0531        | NATURAL | 3b                         | 01c, d30                 | 2/3               |                              |     | 90858-1237           | A                                |
| 90858-0532        | NATURAL | 3b                         | d10, 02c                 | 2/3               |                              |     | 90858-1236           | A                                |
|                   |         |                            |                          |                   |                              |     |                      |                                  |
|                   |         |                            |                          |                   |                              |     |                      |                                  |
|                   |         |                            |                          |                   |                              |     |                      |                                  |

## 4 CIRCUIT

SEE CODE DESIGNATION TABLE FOR NUMBERING  
FORMAT WHEN ADDING NEW PART NUMBERSP.C.B.  
POLARISATION  
OPTION

| PART NO.<br>(TIN) | COLOUR  | UNBLOCKED<br>POSITION KEYS | UNBLOCKED<br>CODING KEYS | LATCH<br>POSITION | CONFIGURATION<br>(SEE NOTES) | REF | PART NO.<br>(SILVER) | P.C.B.<br>POLARISATION<br>OPTION |
|-------------------|---------|----------------------------|--------------------------|-------------------|------------------------------|-----|----------------------|----------------------------------|
| 90858-1254        | NATURAL | 1b                         | 03c d40                  | 1/2 3/4           |                              | K01 | 90858-1999           | A                                |
| 90858-1264        | NATURAL | 1a 4b                      | d40                      | 1/2 3/4           |                              | K03 | 90858-1998           | A                                |
| 90858-1265        | NATURAL | 2a 4b                      | d20                      | 1/2 3/4           |                              | K07 | 90858-1996           | A                                |
| 90858-1267        | NATURAL | 1b 2a 3a 4b                | 01c d40                  | 1/2 3/4           |                              | K37 | 90858-1994           | A                                |
| 90858-1270        | NATURAL | 1a 2b 4b                   | 01c 03c d40              | 1/2 3/4           |                              | K44 | 90858-1993           | A                                |
| 90858-1274        | NATURAL | 1a 3a 3b                   | 01c d20 d40              | 1/2 3/4           |                              | K32 | 90858-1992           | A                                |
| 90858-1275        | NATURAL | 1b 2a 4b                   | 01c d20 03c              | 1/2 3/4           |                              | K61 | 90858-1991           | A                                |
| 90858-1278        | NATURAL | 1a 3a                      | d40                      | 1/2 3/4           |                              | K06 | 90858-1987           | A                                |
| 90858-1280        | NATURAL | 1a 2b<br>3b 4a             | 01c 03c d40              | 1/2 3/4           |                              | K65 | 90858-1988           | A                                |
| 90858-1281        | NATURAL | 2a 4b                      | d20 03c                  | 1/2 3/4           |                              | K30 | 90858-1986           | A                                |
| 90858-1282        | NATURAL | 3b                         | d30                      | 2/3               |                              | K04 | 90858-1985           | A                                |
| 90858-1283        | NATURAL | 1b 2a 4b                   | 01c d20<br>03c d40       | 1/2 3/4           |                              | N/A | 90858-1984           | A                                |
| 90858-1284        | NATURAL | 2a 3a 3b 4b                | 01c d20<br>03c d40       | 1/2 3/4           |                              | N/A | 90858-1983           | A                                |
|                   |         |                            |                          |                   |                              |     |                      |                                  |
|                   |         |                            |                          |                   |                              |     |                      |                                  |
|                   |         |                            |                          |                   |                              |     |                      |                                  |

|                                                                                             |                                        |                                  |                                          |      |                                                                                                                                  |  |                    |                          |                           |
|---------------------------------------------------------------------------------------------|----------------------------------------|----------------------------------|------------------------------------------|------|----------------------------------------------------------------------------------------------------------------------------------|--|--------------------|--------------------------|---------------------------|
| SEE SHEET 1<br>ECC NO: E2010-0370<br>DRAWN BY: DRWBRUTLE<br>CHKD: JENNEHY<br>APPR: BMAGUIRE | 2010/05/13<br>2004/05/27<br>2010/06/08 | QUALITY<br>SYMBOLS<br>▽=0<br>▽=0 | GENERAL TOLERANCES<br>(UNLESS SPECIFIED) |      | DIMENSION STYLE<br>MM ONLY                                                                                                       |  | SCALE<br>1:1       | DESIGN UNITS<br>METRIC   | THIRD ANGLE<br>PROJECTION |
|                                                                                             |                                        |                                  | m/m                                      | INCH | DRAWN BY<br>NMCNAR                                                                                                               |  | DATE<br>2004/05/26 | TITLE<br>RAST 5 VERT HDR |                           |
| DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS                                  |                                        |                                  | 4 PLACES ± --- ± ---                     |      | CHECKED BY<br>JENNEHY                                                                                                            |  | DATE<br>2004/05/27 |                          | MOLEX INCORPORATED        |
|                                                                                             |                                        |                                  | 3 PLACES ± --- ± ---                     |      | DATE                                                                                                                             |  |                    |                          |                           |
| DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS                                  |                                        |                                  | 2 PLACES ± 0.1 ± ---                     |      | APPROVED BY<br>BMAGUIRE                                                                                                          |  | DATE<br>2004/05/28 |                          | SD-90858-001              |
|                                                                                             |                                        |                                  | 1 PLACE ± 0.2 ± ---                      |      | DATE                                                                                                                             |  |                    |                          |                           |
| DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS                                  |                                        |                                  | ANGULAR ± 2 °                            |      | MATERIAL NO.                                                                                                                     |  | DOCUMENT NO.       |                          | SHEET NO.<br>3 OF 7       |
|                                                                                             |                                        |                                  |                                          |      |                                                                                                                                  |  |                    |                          |                           |
| DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS                                  |                                        |                                  | SIZE<br>A 1                              |      | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX<br>INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |  |                    |                          |                           |
|                                                                                             |                                        |                                  |                                          |      |                                                                                                                                  |  |                    |                          |                           |

5 CIRCUIT

SEE CODE DESIGNATION TABLE FOR NUMBERING  
FORMAT WHEN ADDING NEW PART NUMBERS

| PART NO.<br>(TIN) | COLOUR  | UNBLOCKED<br>POSITION KEYS | UNBLOCKED<br>CODING KEYS | LATCH<br>POSITION | CONFIGURATION<br>(SEE NOTES) | REF | PART NO.<br>(SILVER) | P.C.B.<br>POLARISATION<br>OPTION |
|-------------------|---------|----------------------------|--------------------------|-------------------|------------------------------|-----|----------------------|----------------------------------|
| 90858-2000        | NATURAL | 1a 5b                      | 01c d30                  | 1/2 2/3           |                              | K01 | 90858-2749           | A                                |
| 90858-2001        | NATURAL | 1a 3a                      | 01c d30                  | 1/2 4/5           |                              | K30 | 90858-2748           | A                                |
| 90858-2002        | NATURAL | 1a 5b                      | 01c d20<br>03c d50       | 1/2 3/4           |                              | K31 | 90858-2747           | A                                |
| 90858-2003        | NATURAL | 1b 2a 3b 5a                | 01c 03c                  | 1/2 3/4           |                              | K35 | 90858-2746           | A                                |
| 90858-2004        | NATURAL | 1a 2a 2b 4b 5b             | 01c d30<br>04c d50       | 1/2 2/3 4/5       |                              | K36 | 90858-2745           | A                                |
| 90858-2006        | NATURAL | 2a                         | 01c d50                  | 2/3 4/5           |                              | K43 | 90858-2742           | A                                |
| 90858-2012        | NATURAL | 2a 4b                      | 01c d20 d40              | 1/2 3/4           |                              | K44 | 90858-2743           | A                                |
| 90858-2013        | NATURAL | 2b                         | d20                      | 1/2 4/5           |                              | K02 | 90858-2741           | A                                |
| 90858-2014        | NATURAL | 4b 5a                      | 01c d30<br>04c d50       | 1/2 4/5           |                              | K45 | 90858-2740           | A                                |
| 90858-2015        | NATURAL | NONE                       | 01c d40                  | 1/2 3/4           |                              | K46 | 90858-2739           | A                                |
| 90858-2017        | NATURAL | 1a 4a                      | d30                      | 1/2 4/5           |                              | K04 | 90858-2737           | A                                |
| 90858-2024        | NATURAL | 1a 5b                      | d20 d40                  | 1/2 3/4           |                              | K77 | 90858-2732           | A                                |
| 90858-2025        | NATURAL | 2b                         | d20 d50                  | 1/2 3/4           |                              | K95 | 90858-2733           | A                                |
| 90858-2026        | NATURAL | 1a 5b                      | 01c d20 03c<br>d50       | 1/2 3/4           |                              |     | 90858-2734           | A                                |
| 90858-2027        | NATURAL | 1a 3a 4b 5a                | 03c 04c                  | 1/2 4/5           |                              | K73 | 90858-2735           | A                                |
| 90858-2028        | NATURAL | 2b                         | d20                      | 1/2 4/5           |                              |     | 90858-2731           | A                                |
| 90858-2029        | NATURAL | 1b 2a 4a                   | 01c 04c d50              | 1/2 4/5           |                              | K51 | 90858-2730           | A                                |
| 90858-2030        | NATURAL | 2b 3b 4a                   | 01c d20 d40              | 1/2 3/4           |                              | K52 | 90858-2729           | A                                |
| 90858-2031        | NATURAL | 1a 5b                      | 01c d20 03c<br>d50       | 1/2 4/5           |                              | K86 | 90858-2728           | A                                |
| 90858-2032        | NATURAL | 1a 1b 4a                   | d30 04c d50              | 1/2 4/5           |                              | K64 | 90858-2727           | A                                |
| 90858-2033        | NATURAL | 1a 5b                      | 01c d20<br>03c d50       | 1/2 3/4           |                              |     | 90858-2726           | B                                |

| 6 CIRCUIT         |         |                            |                          |                   | SEE CODE DESIGNATION TABLE FOR NUMBERING<br>FORMAT WHEN ADDING NEW PART NUMBERS |     |                      | P.C.B.<br>POLARISATION<br>OPTION |
|-------------------|---------|----------------------------|--------------------------|-------------------|---------------------------------------------------------------------------------|-----|----------------------|----------------------------------|
| PART NO.<br>(TIN) | COLOUR  | UNBLOCKED<br>POSITION KEYS | UNBLOCKED<br>CODING KEYS | LATCH<br>POSITION | CONFIGURATION<br>(SEE NOTES)                                                    | REF | PART NO.<br>(SILVER) |                                  |
| 90858-2753        | NATURAL | 1b                         | 03c d60                  | 1/2 4/5           |                                                                                 | K01 | 90858-3499           | A                                |
| 90858-2754        | NATURAL | 1a 3b 4b                   | 01c d50 06c              | 1/2 4/5           |                                                                                 | K30 | 90858-3498           | A                                |
| 90858-2755        | NATURAL | 1a 1b 2b 3a<br>3b 4b       | d30 04c d50              | 1/2 2/3 4/5       |                                                                                 | K37 | 90858-3497           | A                                |
| 90858-2756        | NATURAL | 1a 1b<br>4a 4b             | d10 d50                  | 2/3 4/5           |                                                                                 | K39 | 90858-3496           | A                                |
| 90858-2757        | NATURAL | 2a 4b 5a 6b                | d20 03c 05c              | 1/2 3/4 5/6       |                                                                                 | K42 | 90858-3495           | A                                |
| 90858-2758        | NATURAL | 1a 2b 3a<br>3b 5b 6b       | 01c d40 d60              | 1/2 3/4 5/6       |                                                                                 | K43 | 90858-3494           | A                                |
| 90858-2759        | NATURAL | 1b 2a 3a 4b<br>5a 5b 6b    | 01c 03c d60              | 1/2 3/4 5/6       |                                                                                 | K44 | 90858-3493           | A                                |
| 90858-2761        | NATURAL | 2b                         | d20 d60                  | 1/2 5/6           |                                                                                 | K46 | 90858-3492           | A                                |
| 90858-2762        | NATURAL | 2b 3b 4a                   | 01c d50 06c              | 1/2 4/5           |                                                                                 | K36 | 90858-3491           | A                                |
| 90858-2768        | NATURAL | 1b 4b                      | d20 03c<br>d50 06c       | 1/2 4/5           |                                                                                 | K58 | 90858-3486           | A                                |
| 90858-2769        | NATURAL | 1a 2b 3b<br>4a 6b          | 01c 03c d40<br>05c d60   | 1/2 3/4 5/6       |                                                                                 | K59 | 90858-3485           | A                                |
| 90858-2770        | NATURAL | 1a 2b 4a 6b                | 01c d40                  | 1/2 3/4 5/6       |                                                                                 | K62 | 90858-3484           | A                                |
| 90858-2771        | NATURAL | 1b 6b                      | d40                      | 1/2 5/6           |                                                                                 | K04 | 90858-3483           | A                                |
| 90858-2772        | NATURAL | 1b 2a 3a 4b<br>5a 5b 6b    | 01c d60                  | 2/3 5/6           |                                                                                 | K15 | 90858-3482           | A                                |
|                   |         |                            |                          |                   |                                                                                 |     |                      |                                  |
|                   |         |                            |                          |                   |                                                                                 |     |                      |                                  |

|                                                                                             |                                  |                                                            |  |                                       |  |                              |                        |                           |  |  |  |
|---------------------------------------------------------------------------------------------|----------------------------------|------------------------------------------------------------|--|---------------------------------------|--|------------------------------|------------------------|---------------------------|--|--|--|
| SEE SHEET 1<br>EC NO: E2010-0370<br>DRAWN BY: DRWNBUTTLE<br>CHKD: JDENNEY<br>APPR: BMAGUIRE | QUALITY<br>SYMBOLS<br>▽=0<br>▽=0 | GENERAL TOLERANCES<br>(UNLESS SPECIFIED)                   |  | DIMENSION STYLE<br>MM ONLY            |  | SCALE<br>1:1                 | DESIGN UNITS<br>METRIC | THIRD ANGLE<br>PROJECTION |  |  |  |
|                                                                                             |                                  | DRAWN BY DATE<br>NMCNAR 2004/05/26                         |  | CHECKED BY DATE<br>JDENNEY 2004/05/27 |  | TITLE<br>RAST 5 VERT HDR     |                        |                           |  |  |  |
|                                                                                             |                                  | APPROVED BY DATE<br>BMAGUIRE 2004/05/28                    |  | MATERIAL NO.                          |  | MOLEX INCORPORATED           |                        |                           |  |  |  |
|                                                                                             |                                  | DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS |  | SEE CHART                             |  | DOCUMENT NO.<br>SD-90858-001 |                        | SHEET NO.<br>4 OF 7       |  |  |  |

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX  
INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

## 7 CIRCUIT

SEE CODE DESIGNATION TABLE FOR NUMBERING  
FORMAT WHEN ADDING NEW PART NUMBERS

| PART NO.<br>(TIN) | COLOUR  | UNBLOCKED<br>POSITION KEYS | UNBLOCKED<br>CODING KEYS | LATCH<br>POSITION | CONFIGURATION<br>(SEE NOTES) | REF | PART NO.<br>(SILVER) | P.C.B.<br>POLARISATION<br>OPTION |
|-------------------|---------|----------------------------|--------------------------|-------------------|------------------------------|-----|----------------------|----------------------------------|
| 90858-3511        | NATURAL | NONE                       | 03c d40 07c              | 1/2 5/6           |                              | K01 | 90858-4249           | A                                |
| 90858-3512        | NATURAL | 3a 4a                      | d30 d70                  | 1/2 5/6           |                              | K30 | 90858-4248           | A                                |
| 90858-3504        | NATURAL | 2b                         | d20 d60                  | 1/2 5/6           |                              | K32 | 90858-4247           | A                                |
| 90858-3508        | NATURAL | 1a 1b 3a<br>4b 5a          | 01c 07c                  | 1/2 3/4 5/6       |                              | K40 | 90858-4243           | A                                |
| 90858-3509        | NATURAL | 2a                         | 01c d50                  | 2/3 4/5           |                              | K41 | 90858-4242           | A                                |
| 90858-3515        | NATURAL | 7b                         | 01c d40 d70              | 1/2 3/4 6/7       |                              | K43 | 90858-4240           | A                                |
| 90858-3516        | NATURAL | 1b                         | 03c d60                  | 1/2 4/5           |                              | K31 | 90858-4239           | A                                |
| 90858-3517        | NATURAL | 1a 3a 4b<br>7b             | 01c d20<br>03c 06c       | 1/2 3/4 6/7       |                              | K45 | 90858-4238           | A                                |
| 90858-3519        | NATURAL | 1b 7a                      | 02c d50                  | 2/3 6/7           |                              | K48 | 90858-4237           | A                                |
| 90858-3521        | NATURAL | 1a 2b 3a<br>4b 6a          | d20 03c d40<br>d50 d70   | 1/2 3/4 6/7       |                              | K51 | 90858-4236           | A                                |
| 90858-3522        | NATURAL | 1b 6a                      | d20 03c<br>d50 d70       | 1/2 3/4 6/7       |                              | K69 | 90858-4235           | A                                |
| 90858-3523        | NATURAL | 1b 2a 5a 5b<br>7b          | d20 d50 06c<br>d70       | 1/2 4/5 6/7       |                              | K34 | 90858-4234           | A                                |
| 90858-3524        | NATURAL | 2b                         | d20 07c                  | 1/2 3/4 5/6       |                              | K35 | 90858-4233           | A                                |
| 90858-3525        | NATURAL | 2a 2b 4b 5b<br>6a          | d20 03c d40<br>d60       | 1/2 3/4 5/6       |                              | K38 | 90858-4232           | A                                |
| 90858-3526        | NATURAL | 2b 4a 4b 5b<br>6a          | 01c d20 d40<br>d60       | 1/2 3/4 5/6       |                              | K42 | 90858-4231           | A                                |
|                   |         |                            |                          |                   |                              |     |                      |                                  |

## 8 CIRCUIT

SEE CODE DESIGNATION TABLE FOR NUMBERING  
FORMAT WHEN ADDING NEW PART NUMBERS

| PART NO.<br>(TIN) | COLOUR  | UNBLOCKED<br>POSITION KEYS | UNBLOCKED<br>CODING KEYS | LATCH<br>POSITION  | CONFIGURATION<br>(SEE NOTES) | REF | PART NO.<br>(SILVER) | P.C.B.<br>POLARISATION<br>OPTION |
|-------------------|---------|----------------------------|--------------------------|--------------------|------------------------------|-----|----------------------|----------------------------------|
| 90858-4252        | NATURAL | 4a 6b                      | 03c d60                  | 1/2 3/4<br>5/6 7/8 |                              | K30 | 90858-4998           | A                                |
| 90858-4253        | NATURAL | 1a 2a 3a 3b<br>6a 7a 7b 8b | 01c 05c d60              | 1/2 3/4<br>5/6 7/8 |                              | K33 | 90858-4996           | A                                |
| 90858-4257        | NATURAL | 2b 3b 4b 5a<br>5b 7a 8b    | 01c d60 d80              | 1/2 4/5<br>7/8     |                              | K41 | 90858-4995           | A                                |
| 90858-4259        | NATURAL | 1b 4b 7b 8b                | 01c d20 04c<br>d50 07c   | 1/2 4/5<br>7/8     |                              | K45 | 90858-4993           | A                                |
| 90858-4260        | NATURAL | 1a 1b 3b 5a<br>6b 7a 8b    | 01c 03c d40<br>d60       | 1/2 3/4<br>5/6 7/8 |                              | K46 | 90858-4992           | A                                |
| 90858-4262        | NATURAL | 1b 5a 6b 8a                | 03c d40 05c<br>07c d80   | 1/2 3/4<br>5/6 7/8 |                              | K48 | 90858-4991           | A                                |
| 90858-4265        | NATURAL | 8b                         | 02c d30 07c              | 2/3 7/8            |                              |     | 90858-4999           | A                                |
| 90858-4266        | NATURAL | 1a 4b 5b 6a<br>8b          | d40 d60 07c<br>d80       | 1/2 3/4<br>5/6 7/8 |                              | K44 | 90858-4990           | A                                |
| 90858-4267        | NATURAL | 8b                         | 02c d30                  | 2/3                |                              | K49 | 90858-4989           | A                                |
| 90858-4268        | NATURAL | 2b 8a                      | 03c d60                  | 1/2 7/8            |                              | K43 | 90858-4988           | A                                |
|                   |         |                            |                          |                    |                              |     |                      |                                  |
|                   |         |                            |                          |                    |                              |     |                      |                                  |
|                   |         |                            |                          |                    |                              |     |                      |                                  |
|                   |         |                            |                          |                    |                              |     |                      |                                  |
|                   |         |                            |                          |                    |                              |     |                      |                                  |
|                   |         |                            |                          |                    |                              |     |                      |                                  |
|                   |         |                            |                          |                    |                              |     |                      |                                  |

|                                                                                           |                                        |                                  |                                          |                         |                                                                                                                                  |                              |              |                        |                           |
|-------------------------------------------------------------------------------------------|----------------------------------------|----------------------------------|------------------------------------------|-------------------------|----------------------------------------------------------------------------------------------------------------------------------|------------------------------|--------------|------------------------|---------------------------|
| SEE SHEET 1<br>EC NO: E2010-0370<br>DRAWN BY: DMCNAMAR<br>CHKD: JDENNEY<br>APPR: BMAGUIRE | 2010/05/13<br>2004/05/27<br>2010/06/08 | QUALITY<br>SYMBOLS<br>▽=0<br>▽=0 | GENERAL TOLERANCES<br>(UNLESS SPECIFIED) |                         | DIMENSION STYLE<br>MM ONLY                                                                                                       |                              | SCALE<br>1:1 | DESIGN UNITS<br>METRIC | THIRD ANGLE<br>PROJECTION |
|                                                                                           |                                        |                                  | 4 PLACES ± --- ± ---                     | DRAWN BY<br>NMCNAMAR    | DATE<br>2004/05/26                                                                                                               | TITLE<br>RAST 5 VERT HDR     |              |                        |                           |
|                                                                                           |                                        |                                  | 3 PLACES ± --- ± ---                     | CHECKED BY<br>JDENNEY   | DATE<br>2004/05/27                                                                                                               | MOLEX INCORPORATED           |              |                        |                           |
|                                                                                           |                                        |                                  | 2 PLACES ± 0.1 ± ---                     | APPROVED BY<br>BMAGUIRE | DATE<br>2004/05/28                                                                                                               | DOCUMENT NO.<br>SD-90858-001 |              |                        |                           |
| DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS                                |                                        |                                  | SEE CHART                                |                         | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX<br>INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |                              |              |                        |                           |
|                                                                                           |                                        |                                  | SIZE<br>A 1                              |                         | SHEET NO.<br>5 OF 7                                                                                                              |                              |              |                        |                           |

| 9 CIRCUIT         |         |                                  |                          |                        | SEE CODE DESIGNATION TABLE FOR NUMBERING<br>FORMAT WHEN ADDING NEW PART NUMBERS |     |                      | P.C.B.<br>POLARISATION<br>OPTION |
|-------------------|---------|----------------------------------|--------------------------|------------------------|---------------------------------------------------------------------------------|-----|----------------------|----------------------------------|
| PART NO.<br>(TIN) | COLOUR  | UNBLOCKED<br>POSITION KEYS       | UNBLOCKED<br>CODING KEYS | LATCH<br>POSITION      | CONFIGURATION<br>(SEE NOTES)                                                    | REF | PART NO.<br>(SILVER) |                                  |
| 90858-5002        | NATURAL | 1a 2a 2b 3a<br>3b 6a 7a 8b<br>9b | d20 03c d40<br>d50 d90   | 1/2 3/4 6/7<br>7/8 8/9 |                                                                                 | K30 | 90858-5997           | A                                |
| 90858-5003        | NATURAL | 1b 2a 3b 5a<br>6a 7b 8a 8b       | 01c 03c d70<br>08c       | 1/2 3/4 6/7<br>8/9     |                                                                                 | K31 | 90858-5996           | A                                |
| 90858-5004        | NATURAL | 1b 2a 3a 5a<br>6a 7b 8b          | 01c 03c d70<br>08c d90   | 1/2 3/4 6/7<br>8/9     |                                                                                 | K32 | 90858-5995           | A                                |
| 90858-5005        | NATURAL | 1a 1b 3a 4b<br>5a 6b 7a          | 01c d40 09c              | 1/2 3/4 5/6<br>7/8     |                                                                                 | K37 | 90858-5994           | A                                |
| 90858-5006        | NATURAL | 1b 5a 8a 9a                      | 03c d40 d60<br>08c       | 1/2 3/4 5/6<br>8/9     |                                                                                 | K38 | 90858-5993           | A                                |
| 90858-5007        | NATURAL | 2a 4b 5a 6b<br>7a 9a             | d20 05c 07c              | 1/2 3/4 5/6<br>7/8     |                                                                                 | K39 | 90858-5992           | A                                |
| 90858-5009        | NATURAL | 5b                               | d30 d70                  | 1/2 6/7                |                                                                                 | K04 | 90858-5989           | A                                |
| 90858-5012        | NATURAL | 2b 3b 4a 5a<br>6b                | d10 02c 04c<br>08c d90   | 2/3 4/5 6/7<br>8/9     |                                                                                 | K40 | 90858-5988           | A                                |
| 90858-5011        | NATURAL | 2b 5a                            | d80                      | 2/3 7/8                |                                                                                 | K03 | 90858-5987           | A                                |
| 90858-5010        | NATURAL | 2b 3b 4b 6a                      | 01c d20 d40<br>05c d90   | 1/2 3/4 6/7<br>8/9     |                                                                                 | K49 | 90858-5986           | A                                |
| 90858-5013        | NATURAL | 1b 2a 4b 5a<br>8b 9b             | 01c d20 d70<br>08c       | 1/2 4/5 6/7<br>8/9     |                                                                                 | K58 | 90858-5985           | A                                |
|                   |         |                                  |                          |                        |                                                                                 |     |                      |                                  |
|                   |         |                                  |                          |                        |                                                                                 |     |                      |                                  |
|                   |         |                                  |                          |                        |                                                                                 |     |                      |                                  |
|                   |         |                                  |                          |                        |                                                                                 |     |                      |                                  |
|                   |         |                                  |                          |                        |                                                                                 |     |                      |                                  |
|                   |         |                                  |                          |                        |                                                                                 |     |                      |                                  |

| 10 CIRCUIT        |         |                                                      |                                   |                         | SEE CODE DESIGNATION TABLE FOR NUMBERING<br>FORMAT WHEN ADDING NEW PART NUMBERS |     |                      | P.C.B.<br>POLARISATION<br>OPTION |
|-------------------|---------|------------------------------------------------------|-----------------------------------|-------------------------|---------------------------------------------------------------------------------|-----|----------------------|----------------------------------|
| PART NO.<br>(TIN) | COLOUR  | UNBLOCKED<br>POSITION KEYS                           | UNBLOCKED<br>CODING KEYS          | LATCH<br>POSITION       | CONFIGURATION<br>(SEE NOTES)                                                    | REF | PART NO.<br>(SILVER) |                                  |
| 90858-6002        | NATURAL | 2a 3b 6a 9a                                          | 03c d80                           | 1/2 4/5 6/7<br>9/10     |                                                                                 | K30 | 90858-6997           | A                                |
| 90858-6003        | NATURAL | 1a 3b 7b 9b                                          | 01c d20 d40<br>05c 07c            | 1/2 3/4 5/6<br>7/8 9/10 |                                                                                 | K35 | 90858-6996           | A                                |
| 90858-6009        | NATURAL | 1b 2a 2b 4a 5b<br>6a 8a 9a 10a                       | d30 04c 06c<br>09c                | 1/2 4/5 6/7<br>9/10     |                                                                                 | K41 | 90858-6988           | A                                |
| 90858-6010        | NATURAL | 1a 3b 4b<br>8a 10a 10b                               | 01c d50 06c<br>07c d80 09c        | 1/2 4/5 7/8<br>9/10     |                                                                                 | K42 | 90858-6987           | A                                |
| 90858-6012        | NATURAL | 2a 4b 8a 10a                                         | d20 05c d70<br>08c                | 1/2 3/4 5/6<br>8/9      |                                                                                 | K44 | 90858-6986           | A                                |
| 90858-6015        | NATURAL | 1b 2a 3a<br>4b 5b 9a                                 | 01c d40 d60<br>07c 09c d100       | 1/2 3/4 5/6<br>7/8 9/10 |                                                                                 | K48 | 90858-6983           | A                                |
| 90858-6016        | NATURAL | 1a 4b 6b 9a                                          | 03c 04c d50<br>06c d70 08c<br>d90 | 1/2 4/5 6/7<br>8/9      |                                                                                 | K36 | 90858-6982           | A                                |
| 90858-6021        | NATURAL | 1a 3b 7b 8a                                          | 01c d20 d40<br>05c d100           | 1/2 3/4 5/6<br>7/8 9/10 |                                                                                 | K33 | 90858-6977           | A                                |
| 90858-6022        | NATURAL | 10a                                                  | d20 08c                           | 1/2 9/10                |                                                                                 | K56 | 90858-6976           | A                                |
| 90858-6023        | NATURAL | 1b 3b 5b 9a                                          | 01c d60 07c<br>09c d100           | 1/2 3/4 5/6<br>7/8 9/10 |                                                                                 | K36 | 90858-6975           | A                                |
| 90858-6024        | NATURAL | 1b 2b 4a 7a 9a<br>9b                                 | d20 d30 d50<br>06c d70 d80        | 1/2 4/5 6/7<br>9/10     |                                                                                 | K43 | 90858-6974           | A                                |
| 90858-6025        | NATURAL | 1a 2a 2b 3a 4a<br>4b 5a 6a 6b 7a<br>8a 8b 9a 10a 10b | NONE                              | 1/2 3/4 5/6<br>7/8 9/10 |                                                                                 | K45 | 90858-6973           | A                                |
| 90858-6026        | NATURAL | 2a 2b 3a 4a<br>5a 9a 10a                             | d20 d40 07c<br>d70 08c d100       | 1/2 3/4 5/6<br>8/9      |                                                                                 | K46 | 90858-6972           | A                                |
| 90858-6027        | NATURAL | 1b 2a 3a 4b 6a<br>7a 8a 8b                           | 01c d40 d60<br>d80                | 1/2 3/4 5/6<br>9/10     |                                                                                 | K49 | 90858-6971           | A                                |
| 90858-6028        | NATURAL | 1b 5a 8b 9a 10b                                      | 03c d40 d80<br>09c                | 1/2 3/4 5/6<br>7/8 9/10 |                                                                                 | K50 | 90858-6970           | A                                |
| 90858-6029        | NATURAL | 1b 3a 4a 4b 6b<br>9a 9b                              | 01c d50 06c<br>d70 09c            | 1/2 4/5 6/7<br>9/10     |                                                                                 | K51 | 90858-6969           | A                                |
| 90858-6030        | NATURAL | 1b 4a 7a 9a                                          | 01c d20 06c<br>d80 09c            | 1/2 4/5 7/8<br>9/10     |                                                                                 | K52 | 90858-6968           | A                                |

SEE SHEET 1  
EC NO: E2010-0370  
DRAWN BY: DRWNBUTTE  
CHKD: JDENNEY  
APPR: BMAGUIRE

2010/05/13  
2004/05/27  
2010/06/08

QUALITY SYMBOLS  
▽=0  
▽=0

GENERAL TOLERANCES (UNLESS SPECIFIED)  
mm INCH  
4 PLACES ± --- ± ---  
3 PLACES ± --- ± ---  
2 PLACES ± 0.1 ± ---  
1 PLACE ± 0.2 ± ---  
ANGULAR ± 2 °

DRAFT WHERE APPLICABLE  
MUST REMAIN  
WITHIN DIMENSIONS

DIMENSION STYLE  
MM ONLY

DRAWN BY: NMCNAMAR  
CHECKED BY: JDENNEY  
APPROVED BY: BMAGUIRE  
DATE: 2004/05/26  
DATE: 2004/05/27  
DATE: 2004/05/28

SCALE: 1:1  
DESIGN UNITS: METRIC  
THIRD ANGLE PROJECTION

TITLE: RAST 5 VERT HDR

MOLEX INCORPORATED  
DOCUMENT NO: SD-90858-001

SHEET NO: 6 OF 7

|                                                                                 |         |                                          |                                            |                              |                              |     |                      |                                  |    |                                                                                 |         |                                           |                                     |                               |                              |     |                      |                                  |   |
|---------------------------------------------------------------------------------|---------|------------------------------------------|--------------------------------------------|------------------------------|------------------------------|-----|----------------------|----------------------------------|----|---------------------------------------------------------------------------------|---------|-------------------------------------------|-------------------------------------|-------------------------------|------------------------------|-----|----------------------|----------------------------------|---|
| 20                                                                              | 19      | 18                                       | 17                                         | 16                           | 15                           | 14  | 13                   | 12                               | 11 | 10                                                                              | 9       | 8                                         | 7                                   | 6                             | 5                            | 4   | 3                    | 2                                | 1 |
| 11 CIRCUIT                                                                      |         |                                          |                                            |                              |                              |     |                      |                                  |    |                                                                                 |         |                                           |                                     |                               |                              |     |                      |                                  |   |
| SEE CODE DESIGNATION TABLE FOR NUMBERING<br>FORMAT WHEN ADDING NEW PART NUMBERS |         |                                          |                                            |                              |                              |     |                      |                                  |    | SEE CODE DESIGNATION TABLE FOR NUMBERING<br>FORMAT WHEN ADDING NEW PART NUMBERS |         |                                           |                                     |                               |                              |     |                      |                                  |   |
| PART NO.<br>(TIN)                                                               | COLOUR  | UNBLOCKED<br>POSITION KEYS               | UNBLOCKED<br>CODING KEYS                   | LATCH<br>POSITION            | CONFIGURATION<br>(SEE NOTES) | REF | PART NO.<br>(SILVER) | P.C.B.<br>POLARISATION<br>OPTION |    | PART NO.<br>(TIN)                                                               | COLOUR  | UNBLOCKED<br>POSITION KEYS                | UNBLOCKED<br>CODING KEYS            | LATCH<br>POSITION             | CONFIGURATION<br>(SEE NOTES) | REF | PART NO.<br>(SILVER) | P.C.B.<br>POLARISATION<br>OPTION |   |
| 90858-7001                                                                      | NATURAL | 1a 2b 3b 4a 4b<br>5a 7a 8a 9a<br>10a 11a | 01c d40 05c<br>08c 010c                    | 3/4 8/9                      |                              | K33 | 90858-7998           | A                                |    | 90858-8002                                                                      | NATURAL | 1b 7a 8b 12b                              | d10 06c 09c<br>d100 d120            | 2/3 4/5 7/8 11/12             |                              | K30 | 90858-8997           | A                                |   |
| 90858-7002                                                                      | NATURAL | 1a 1b 6b 7a 10a<br>11b                   | 03c d40 d90                                | 1/2 3/4 5/6<br>7/8 8/9 10/11 |                              | K30 | 90858-7997           | A                                |    | 90858-8003                                                                      | NATURAL | 2a 4b 5b 6b<br>7a 10b 12a 12b             | d10 d30 d50<br>d70 09c d100<br>d120 | 2/3 4/5 6/7 9/10<br>11/12     |                              | K34 | 90858-8996           | A                                |   |
| 90858-7003                                                                      | NATURAL | 1a 2b 3b 4a 4b<br>5a 7a 8a 9a<br>10a 11a | 01c d40 05c<br>08c 010c                    | 1/2 3/4 5/6<br>8/9 10/11     |                              | K31 | 90858-7996           | A                                |    | 90858-8004                                                                      | NATURAL | 1a 3b 7b 9b<br>11b 12a                    | 01c d20 d40<br>05c 07c 011c         | 1/2 3/4 5/6 7/8<br>9/10 11/12 |                              | K44 | 90858-8995           | A                                |   |
| 90858-7004                                                                      | NATURAL | 2a 3b 4a 4b 5a<br>6b 7a 7b 10a 11b       | 01c d20 d40<br>d60 07c d90<br>010c         | 1/2 3/4 5/6<br>7/8 10/11     |                              | K32 | 90858-7995           | A                                |    | 90858-8005                                                                      | NATURAL | 1b 2a 2b 4a 5b<br>6a 8a 9a 10a<br>11a 12b | d30 04c 06c<br>09c 011c             | 1/2 4/5 6/7 9/10<br>11/12     |                              | K46 | 90858-8994           | A                                |   |
| 90858-7005                                                                      | NATURAL | 2a 3b 4a 4b 6a<br>6b 8b 10a 11a          | 01c d20 d40<br>d60 07c d90<br>010c         | 1/2 3/4 6/7<br>8/9 10/11     |                              | K34 | 90858-7994           | A                                |    | 90858-8007                                                                      | NATURAL | 2b 3b 4a 8b 9b<br>11a                     | 01c d20 d40<br>d90 d100 d120        | 1/2 3/4 8/9 11/12             |                              | K49 | 90858-8992           | A                                |   |
| 90858-7007                                                                      | NATURAL | 2a 4b 5b 7b 8a<br>11b                    | d10 d30 d50<br>d80 010c d110               | 2/3 4/5 7/8<br>10/11         |                              | K36 | 90858-7992           | A                                |    | 90858-8008                                                                      | NATURAL | 1a 2b 3a 5b 11b<br>12a                    | 01c 03c d40<br>d60 07c 09c          | 1/2 3/4 5/6 7/8<br>9/10 11/12 |                              | K47 | 90858-8991           | A                                |   |
| 90858-7008                                                                      | NATURAL | 1b 3a 4b 6a 7b<br>9b                     | 01c d20 d40<br>05c d60 07c<br>d80 09c d100 | 1/2 3/4 5/6<br>7/8 9/10      |                              | K37 | 90858-7991           | A                                |    | 90858-8009                                                                      | NATURAL | 1a 5b 7b                                  | 01c d30 04c<br>d70 012c             | 2/3 4/5 6/7 8/9<br>10/11      |                              | K50 | 90858-8990           | A                                |   |
| 90858-7009                                                                      | NATURAL | 2a 6a 8a 11b                             | 01c d50 d90<br>d110                        | 2/3 4/5 6/7<br>8/9 10/11     |                              | K38 | 90858-7990           | A                                |    |                                                                                 |         |                                           |                                     |                               |                              |     |                      |                                  |   |
| 90858-7010                                                                      | NATURAL | 1a 4a 6a 8a 11b                          | d30 d90 d110                               | 1/2 4/5 6/7<br>8/9 10/11     |                              | K39 | 90858-7989           | A                                |    |                                                                                 |         |                                           |                                     |                               |                              |     |                      |                                  |   |
| 90858-7014                                                                      | NATURAL | 1a 1b 2b 4a 5a<br>8b 9b                  | 02c d80 09c<br>d100                        | 2/3 5/6 7/8<br>9/10          |                              | K46 | 90858-7985           | A                                |    |                                                                                 |         |                                           |                                     |                               |                              |     |                      |                                  |   |
| 90858-7015                                                                      | NATURAL | 1b 5b 6b 8b 9b<br>10a 10b                | 01c d20 d40<br>05c d70 08c<br>010c         | 1/2 5/6 8/9<br>10/11         |                              | K47 | 90858-7984           | A                                |    |                                                                                 |         |                                           |                                     |                               |                              |     |                      |                                  |   |
| 90858-7016                                                                      | NATURAL | 1a 2b 3b 5a 6b<br>8a 9b                  | d20 03c 06c<br>09c d100                    | 1/2 3/4 6/7<br>9/10          |                              | K44 | 90858-7983           | A                                |    |                                                                                 |         |                                           |                                     |                               |                              |     |                      |                                  |   |
| 90858-7017                                                                      | NATURAL | 1b 4a 7b 9b 10b                          | 01c d20 04c<br>d80 09c 011c<br>d110        | 1/2 4/5 6/7<br>9/10          |                              | K45 | 90858-7982           | A                                |    |                                                                                 |         |                                           |                                     |                               |                              |     |                      |                                  |   |
| 90858-7013                                                                      | NATURAL | 1b 11b                                   | 03c d90                                    | 3/4 8/9                      |                              | K43 | 90858-7986           | A                                |    |                                                                                 |         |                                           |                                     |                               |                              |     |                      |                                  |   |
| 90858-7018                                                                      | NATURAL | 1b 2a 3a 4b 6b                           | 01c d40 d60<br>011c                        | 1/2 3/4 5/6<br>7/8 9/10      |                              | K35 | 90858-7981           | A                                |    |                                                                                 |         |                                           |                                     |                               |                              |     |                      |                                  |   |
| 90858-7019                                                                      | NATURAL | 1b 3a 4b 7a 10b                          | 01c 04c d50<br>07c                         | 1/2 4/5 7/8<br>9/10          |                              | K40 | 90858-7980           | A                                |    |                                                                                 |         |                                           |                                     |                               |                              |     |                      |                                  |   |
| 90858-7020                                                                      | NATURAL | 1b 2a 3a 4b 6b<br>7a 8a 8b               | 01c d40 d60<br>d80 011c                    | 1/2 3/4 5/6<br>9/10          |                              | K42 | 90858-7979           | A                                |    |                                                                                 |         |                                           |                                     |                               |                              |     |                      |                                  |   |

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SEE CODE DESIGNATION TABLE FOR NUMBERING  
FORMAT WHEN ADDING NEW PART NUMBERS

| PART NO.<br>(TIN) | COLOUR  | UNBLOCKED<br>POSITION KEYS                | UNBLOCKED<br>CODING KEYS            | LATCH<br>POSITION             | CONFIGURATION<br>(SEE NOTES) | REF | PART NO.<br>(SILVER) | P.C.B.<br>POLARISATION<br>OPTION |
|-------------------|---------|-------------------------------------------|-------------------------------------|-------------------------------|------------------------------|-----|----------------------|----------------------------------|
| 90858-8002        | NATURAL | 1b 7a 8b 12b                              | d10 06c 09c<br>d100 d120            | 2/3 4/5 7/8 11/12             |                              | K30 | 90858-8997           | A                                |
| 90858-8003        | NATURAL | 2a 4b 5b 6b<br>7a 10b 12a 12b             | d10 d30 d50<br>d70 09c d100<br>d120 | 2/3 4/5 6/7 9/10<br>11/12     |                              | K34 | 90858-8996           | A                                |
| 90858-8004        | NATURAL | 1a 3b 7b 9b<br>11b 12a                    | 01c d20 d40<br>05c 07c 011c         | 1/2 3/4 5/6 7/8<br>9/10 11/12 |                              | K44 | 90858-8995           | A                                |
| 90858-8005        | NATURAL | 1b 2a 2b 4a 5b<br>6a 8a 9a 10a<br>11a 12b | d30 04c 06c<br>09c 011c             | 1/2 4/5 6/7 9/10<br>11/12     |                              | K46 | 90858-8994           | A                                |
| 90858-8007        | NATURAL | 2b 3b 4a 8b 9b<br>11a                     | 01c d20 d40<br>d90 d100 d120        | 1/2 3/4 8/9 11/12             |                              | K49 | 90858-8992           | A                                |
| 90858-8008        | NATURAL | 1a 2b 3a 5b 11b<br>12a                    | 01c 03c d40<br>d60 07c 09c          | 1/2 3/4 5/6 7/8<br>9/10 11/12 |                              | K47 | 90858-8991           | A                                |
| 90858-8009        | NATURAL | 1a 5b 7b                                  | 01c d30 04c<br>d70 012c             | 2/3 4/5 6/7 8/9<br>10/11      |                              | K50 | 90858-8990           | A                                |
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