

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

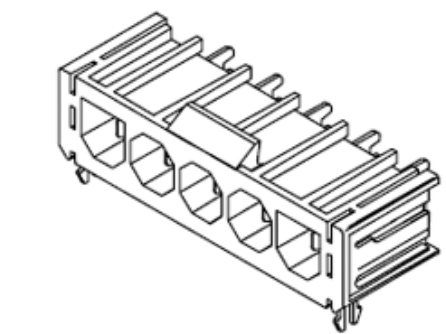
0460077305

Status:

Active

Description:

7.50mm (.295") Pitch Sabre™ Header, Single Row, Right Angle, 5 Circuits, PC Tail Length 5.33mm (.210"), with Snap-In Metal Pins, Tin (Sn) Plating



Series  
image - Reference only

- Documents:
- 3D Model

Drawing (PDF)

Packaging Specification (PDF)
- Product Specification PSX-44441-9999 (PDF)

RoHS Certificate of Compliance (PDF)

Agency Certification

UL

E29179

General

Product Family

Series

Application

Comments

Product Literature Order No

Product Name

PCB Headers

46007

Wire-to-Board

Fully Polarized, Meets UL 1950 Finger Proof Standard

USA-113

Sabre™

Physical

Breakaway

Circuits (Loaded)

Circuits (maximum)

Color - Resin

Durability (mating cycles max)

First Mate / Last Break

Flammability

Glow-Wire Compliant

Guide to Mating Part

Keying to Mating Part

Lock to Mating Part

Material - Metal

Material - Plating Mating

Material - Plating Termination

Material - Resin

Number of Rows

Orientation

PC Tail Length (in)

PC Tail Length (mm)

PCB Locator

PCB Retention

PCB Thickness Recommended (in)

PCB Thickness Recommended (mm)

Packaging Type

Pitch - Mating Interface (in)

Pitch - Mating Interface (mm)

Plating min: Mating (µin)

Plating min: Mating (µm)

Plating min: Termination (µin)

Plating min: Termination (µm)

Polarized to Mating Part

Polarized to PCB

Shrouded

Stackable

No

5

5

Black

25

No

94V-0

No

No

None

Yes

Brass

Tin

Tin

High Temperature Thermoplastic

1

Right Angle

0.210 In

5.33 mm

No

Yes

0.125 In

3.20 mm

Tray

0.295 In

7.50 mm

35

0.88

35

0.88

Yes

Yes

Fully

No

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  
46007Series

Mates With  
44441-2005

|                                |                |
|--------------------------------|----------------|
| Surface Mount Compatible (SMC) | No             |
| Temperature Range - Operating  | -40°C to +75°C |
| Termination Interface: Style   | Through Hole   |

**Electrical**

|                               |      |
|-------------------------------|------|
| Current - Maximum per Contact | 18A  |
| Voltage - Maximum             | 600V |

**Material Info**

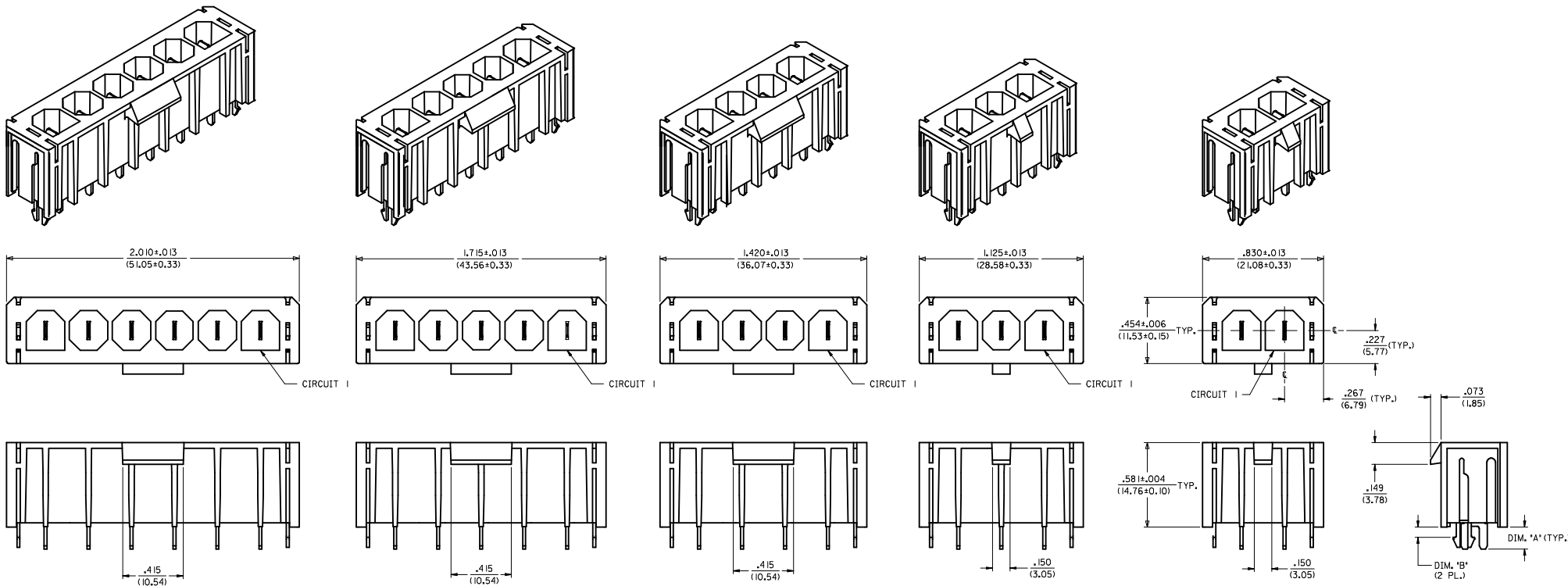
**Reference - Drawing Numbers**

|                       |                |
|-----------------------|----------------|
| Product Specification | PSX-44441-9999 |
| Sales Drawing         | SD-46007-001   |

This document was generated on 04/21/2010

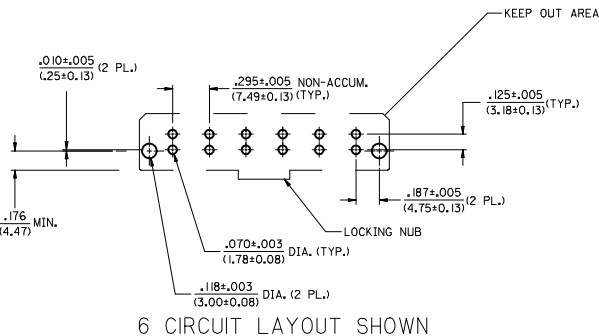
**PLEASE CHECK [WWW.MOLEX.COM](http://WWW.MOLEX.COM) FOR LATEST PART INFORMATION**

20 19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1



SEE SHEET 2 AND 3 FOR ITEM NUMBER CHART

RECOMMENDED P.C. BOARD  
LAYOUT FOR VERTICAL HEADERS  
SCALE 2:1



NOTES:

- INSULATOR MATERIAL (SEE CHART):  
A = 30% GLASS FILLED 46 NYLON, 94V-0, COLOR: BLACK.  
TERMINAL MATERIAL: C26000 BRASS.
- TERMINAL FINISH: 35 MICROINCH (0.88 MICROMETER) MINIMUM TIN OVER  
20 MICROINCH (0.50 MICROMETER) MINIMUM COPPER.  
\* THE PRIMARY SHIPPING CARTON WILL BE LABELED  
"COMPLIANT TO RoHS DIRECTIVE 2002/95/EC  
AND ELV ANNEX II OF DIRECTIVE 2000/53/EC."  
CARTONS WITHOUT THIS LABEL MAY CONTAIN  
PRODUCT WITH TIN-LEAD IN THE PC TAILS.
- PRODUCT SPECIFICATION: PSX-44441-9999.
- PACKAGING: SEE CHART.
- THESE HEADERS MATE WITH 43179, 43335, OR 44441 RECEPTACLE HOUSINGS.
- UL 1950 COMPLIANT 46007 SERIES HEADERS ARE SIMILAR TO STANDARD LINE  
43160 SERIES HEADERS EXCEPT HAVING TERMINALS WHICH ARE RECESSED  
MORE TO ALLOW HEADERS TO MEET UL 1950 PROBE REQUIREMENTS.
- SEE SHEETS 1, 2 AND 3 FOR VERTICAL HEADER ASSEMBLY AND THEIR  
RESPECTIVE PART NUMBERS.
- SEE SHEETS 4, 5 AND 6, FOR RIGHT ANGLE HEADER ASSEMBLIES AND  
THEIR RESPECTIVE PART NUMBERS.
- TERMINALS ARE ON .295/(7.49) CENTERLINE SPACING.
- DIMENSIONS ARE FOR REFERENCE ONLY, UNLESS INDICATED OTHERWISE.

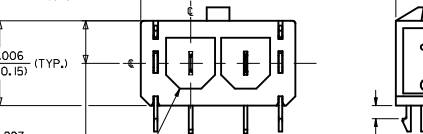
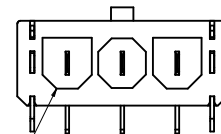
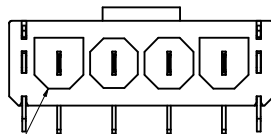
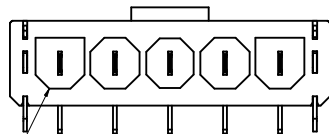
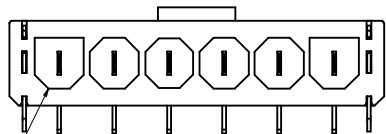
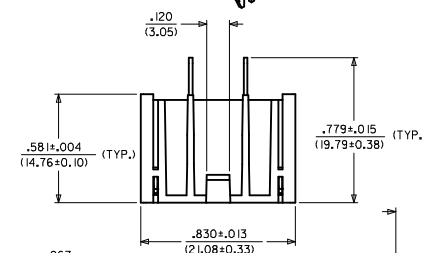
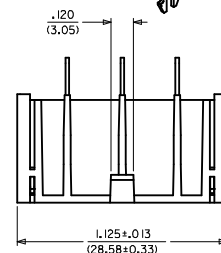
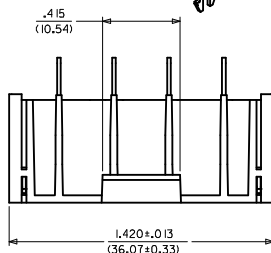
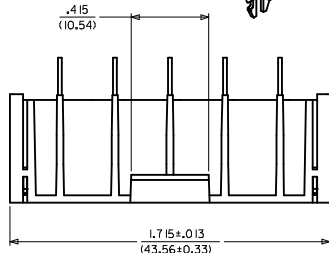
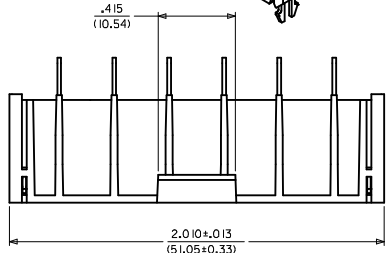
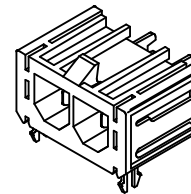
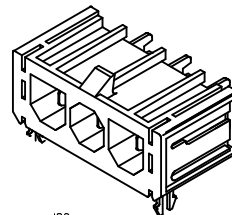
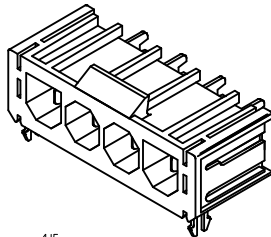
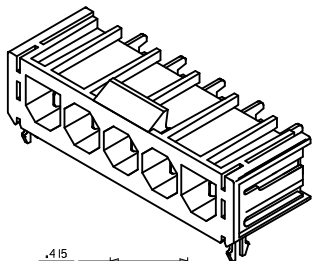
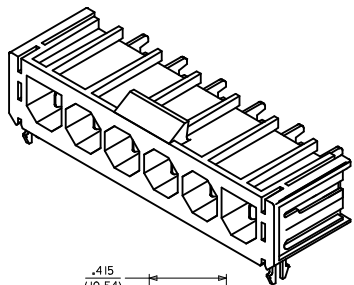
| SOLDER TAIL | DIM. "A" ±.020/(0.51) |
|-------------|-----------------------|
| SHORT       | .150/(3.81)           |
| LONG        | .210/(5.33)           |

| BOARD LOCK | DIM. "B" ±.004/(0.15) |
|------------|-----------------------|
| .062       | .070/(1.78)           |
| .094       | .102/(2.59)           |
| .125       | .133/(3.38)           |

|   |   |
|---|---|
| 6 | C |
| 5 | C |
| 4 | C |
| 3 | C |
| 2 | C |
| 1 | C |

SMT. REV.

|                                                                                                                                                    |                                                            |                                                                                                                                                                     |                          |              |                      |                        |                                                                                                                                                                   |      |
|----------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|--------------|----------------------|------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|
| REMOVE 94V-2 MAT'L<br>EC NO: UCP2009-0067<br>DRAWN: KOSTEMELER 2009/03/05<br>CHKD: AELHAG 2009/03/05<br>APPR: FSW TH 2009/03/05<br>REV DESCRIPTION | QUALITY SYMBOLS<br>▽=0<br>▽=0                              | GENERAL TOLERANCES (UNLESS SPECIFIED)<br>mm INCH<br>4 PLACES ± --- ± ---<br>3 PLACES ± --- ± .005<br>2 PLACES ± 0.13 ± .01<br>1 PLACE ± 0.25 ± ---<br>ANGULAR ±1/2° | DIMENSION STYLE<br>IN/MM | SCALE<br>3:1 | DESIGN UNITS<br>INCH | THIRD ANGLE PROJECTION | SABRE HEADER ASSY<br>VERTICAL, 2-6 & 8 CIR.<br>UL 1950 COMPLIANT<br>MOLEX INCORPORATED<br>MATERIAL NO. SEE CHART<br>DOCUMENT NO. SD-46007-001<br>SHEET NO. 1 OF 6 |      |
|                                                                                                                                                    | DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS | DRAWN BY<br>CSTEWART                                                                                                                                                | DATE<br>04/28/05         | CHECKED BY   | DATE                 | APPROVED BY            |                                                                                                                                                                   | DATE |
|                                                                                                                                                    | SIZE<br>D                                                  | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX<br>INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION                                    |                          |              |                      |                        |                                                                                                                                                                   |      |
|                                                                                                                                                    |                                                            |                                                                                                                                                                     |                          |              |                      |                        |                                                                                                                                                                   |      |



CIRCUIT 1

CIRCUIT 1

CIRCUIT 1

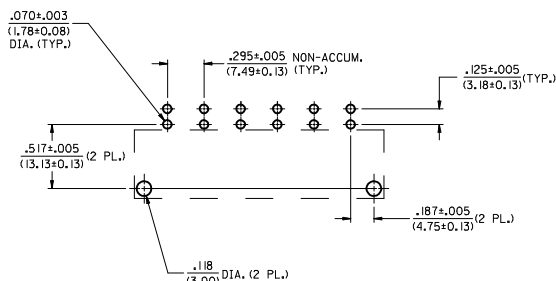
CIRCUIT 1

CIRCUIT 1

SEE SHEET 5 AND 6 FOR ITEM NUMBER CHART

## RECOMMENDED P.C. BOARD LAYOUT FOR RIGHT ANGLE HEADERS

SCALE 2:1



6 CIRCUIT LAYOUT SHOWN

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| LONG        | .210/(5.33)           |

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|------------|-----------------------|
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| .094       | .102/(2.59)           |
| .125       | .133/(3.38)           |

|                                                                                                                                   |                               |                                                      |  |                                    |  |                                                                                                                               |  |                      |  |                                                                                                              |
|-----------------------------------------------------------------------------------------------------------------------------------|-------------------------------|------------------------------------------------------|--|------------------------------------|--|-------------------------------------------------------------------------------------------------------------------------------|--|----------------------|--|--------------------------------------------------------------------------------------------------------------|
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|                                                                                                                                   |                               | mm INCH                                              |  | DRAWN BY DATE<br>CSTEWART 04/29/05 |  | TITLE<br>SABRE HEADER ASSY<br>RT. ANGLE, 2-6 & 8 CIR.<br>UL 1950 COMPLIANT                                                    |  |                      |  |                                                                                                              |
|                                                                                                                                   |                               | 4 PLACES ± --- ± ---                                 |  | CHECKED BY DATE<br>BWIRKUS         |  |                                                                                                                               |  |                      |  |                                                                                                              |
|                                                                                                                                   |                               | 3 PLACES ± --- ± .005                                |  | APPROVED BY DATE<br>BWIRKUS        |  |                                                                                                                               |  |                      |  |                                                                                                              |
|                                                                                                                                   |                               | 2 PLACES ± 0.13 ± .01                                |  | MATERIAL NO.<br>SEE CHART          |  | DOCUMENT NO.<br>SD-46007-001                                                                                                  |  | SHEET NO.<br>4 OF 6  |  |                                                                                                              |
|                                                                                                                                   |                               | 1 PLACE ± 0.25 ± ---                                 |  | SIZE<br>D                          |  | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |  |                      |  |                                                                                                              |
|                                                                                                                                   |                               | ANGULAR ±1/2°                                        |  |                                    |  |                                                                                                                               |  |                      |  |                                                                                                              |
|                                                                                                                                   |                               | DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS |  |                                    |  |                                                                                                                               |  |                      |  |                                                                                                              |
|                                                                                                                                   |                               |                                                      |  |                                    |  |                                                                                                                               |  |                      |  |                                                                                                              |
|                                                                                                                                   |                               |                                                      |  |                                    |  |                                                                                                                               |  |                      |  |                                                                                                              |

lb\_frame\_D\_P\_ME\_T  
Rev. D 2004/04/02