

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0460071106

Status:

Active

Description:

7.50mm (.295") Pitch Sabre™ Header, Single Row, Right Angle, 6 Circuits, PC Tail Length 3.81mm (.150"), without Snap-In Metal Pins, with Tin (Sn) Plating

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

6

6

Black

25

No

94V-0

No

No

None

Yes

Brass

Tin

Tin

High Temperature Thermoplastic

1

Right Angle

0.150 In

3.81 mm

No

Yes

0.062 In

1.60 mm

Tray

0.295 In

7.50 mm

35

0.88

35

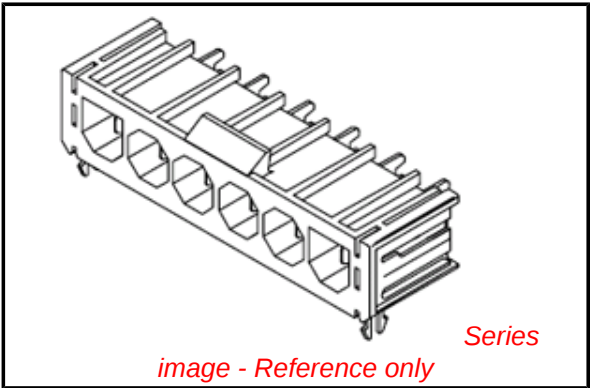
0.88

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
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
44441-2006

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

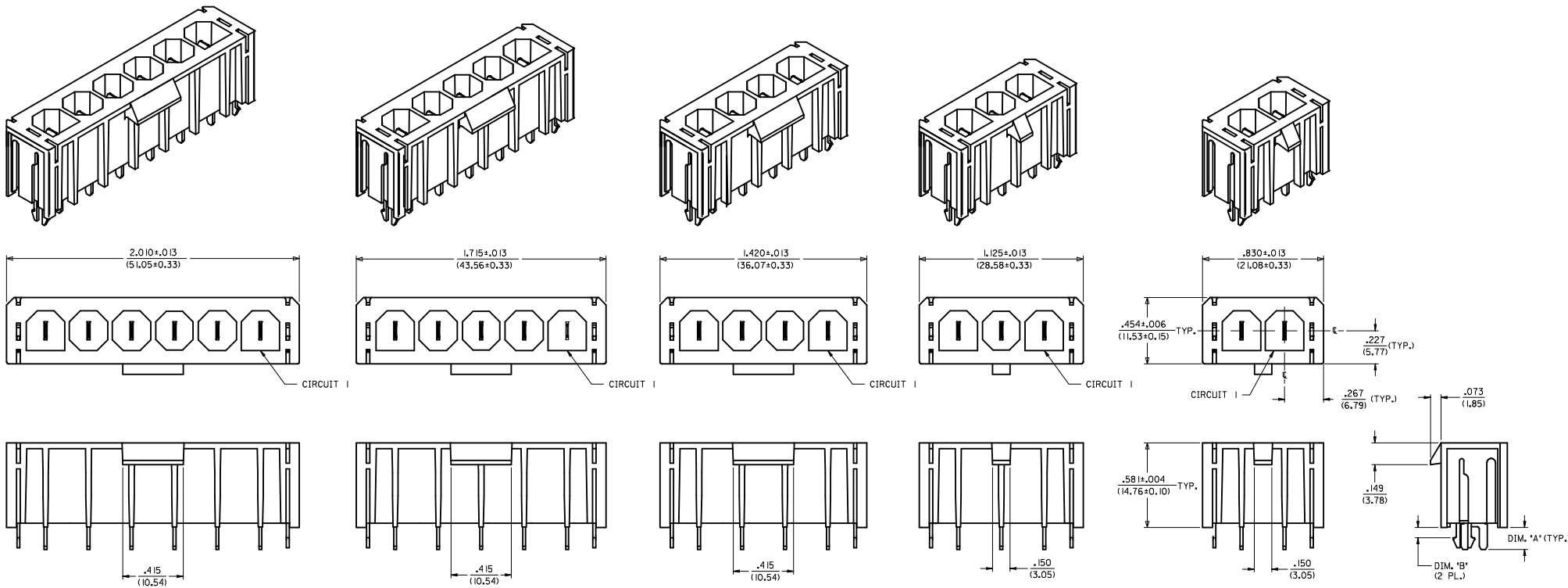
Reference - Drawing Numbers

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

This document was generated on 04/21/2010

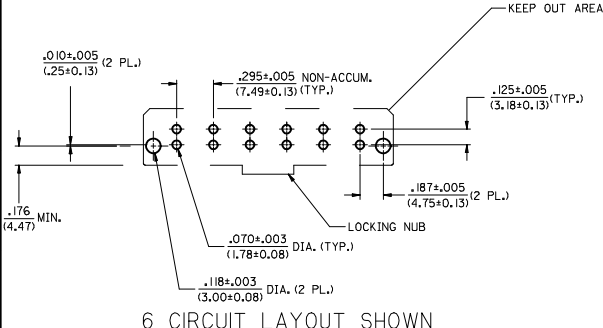
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20 19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1



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

REMOVE 94V-2 MAT'L
EC NO: UCP2009-0067
DRAWN: JIKOSTEMLER 2009/03/05
CHKD: AELHAG 2009/03/05
APPR: FSW TH 2009/03/05
REV DESCRIPTION

QUALITY SYMBOLS
=0
=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES ±	---	±.005
3 PLACES ±	---	±.01
2 PLACES ±	±.13	±.01
1 PLACE ±	±.25	±.01
ANGULAR ±1/2°		

DRAFT WHERE APPLICABLE
MUST REMAIN
WITHIN DIMENSIONS

DIMENSION STYLE
IN/MM

SCALE
3:1

DESIGN UNITS
INCH

THIRD ANGLE PROJECTION

DRAWN BY
CSTEWART

CHECKED BY

DATE
04/28/05

APPROVED BY

DATE

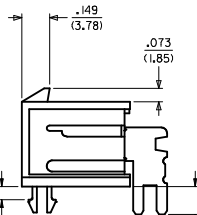
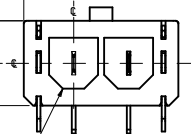
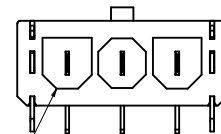
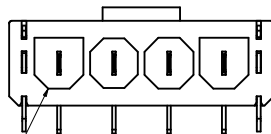
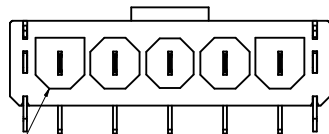
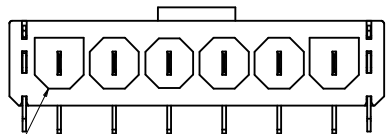
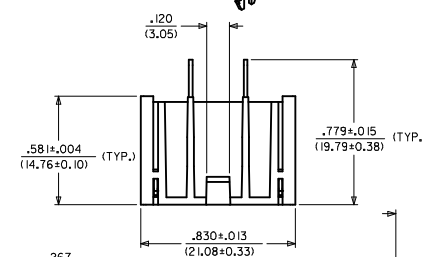
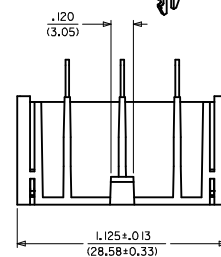
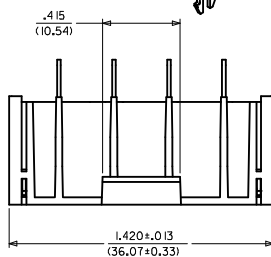
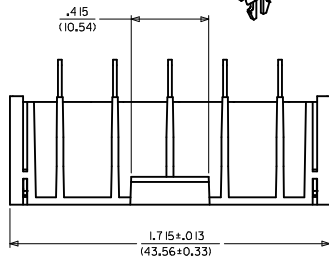
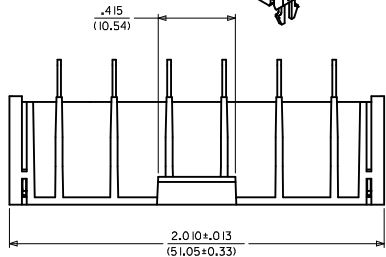
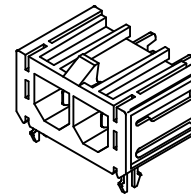
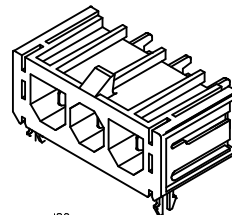
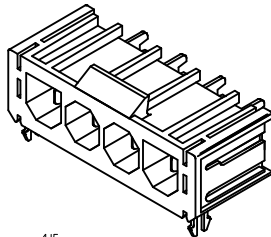
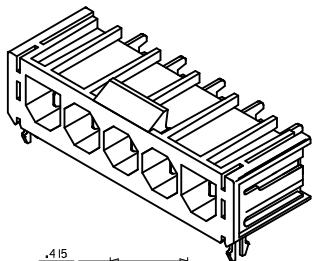
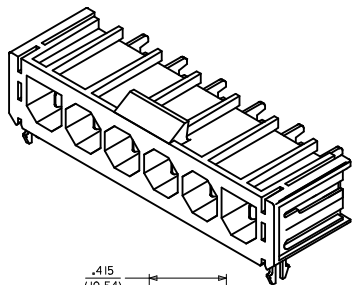
MATERIAL NO.
SEE CHART

DOCUMENT NO.
SD-46007-001

SHEET NO.
1 OF 6

SABRE HEADER ASSY
VERTICAL, 2-6 & 8 CIR.
UL 1950 COMPLIANT

MOLEX INCORPORATED



CIRCUIT 1

CIRCUIT 1

CIRCUIT 1

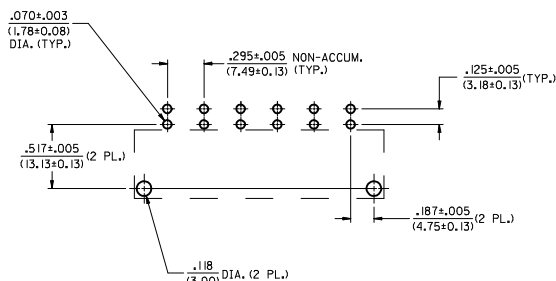
CIRCUIT 1

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

NOTES:

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SOLDER TAIL	DIM. 'A' ±.011/(0.28)
SHORT	.150/(3.81)
LONG	.210/(5.33)

BOARD LOCK	DIM. 'B' ±.004/(0.10)
.062	.070/(1.78)
.094	.102/(2.59)
.125	.133/(3.38)

REMOVE 94V-2 MATL EC NO: UCP2009-0067 DRAWN: KLOSTERMEIER 2009/03/05 CHKD: AELHAG 2009/03/05 APPROV: SMITH 2009/03/05	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE IN/MM		SCALE 3:1		DESIGN UNITS INCH		 THIRD ANGLE PROJECTION
		mm INCH		DRAWN BY DATE CSTEWART 04/29/05		TITLE SABRE HEADER ASSY RT. ANGLE, 2-6 & 8 CIR. UL 1950 COMPLIANT				
		4 PLACES ± --- ± ---		CHECKED BY DATE BWIRKUS						
		3 PLACES ± --- ± .005		APPROVED BY DATE BWIRKUS						
		2 PLACES ± .13 ± .01		MATERIAL NO.		DOCUMENT NO.				
		1 PLACE ± 0.25 ± ---		SEE CHART		SD-46007-001				
		ANGULAR ±1/2°		SIZE D		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE REPRODUCED WITHOUT WRITTEN PERMISSION				
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				SHEET NO. 4 OF 6				

	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	
M	RT. ANGLE HEADER ITEM NO	PART CHARACTERISTICS FOR RIGHT ANGLE HEADER				PACKAGING SPECIFICATIONS															M
	CIRCUIT SIZE	HSG. MAT'L (SEE NOTE 1)	SOLDER TAIL	BOARD LOCK																	
	46007-1102	2	A	SHORT	N/A	PK-43160-0010															
	46007-1302	2	A	LONG	N/A	PK-43789-001															
L	46007-3102	2	A	SHORT	.062	PK-43789-001															
	46007-5102	2	A	SHORT	.094	PK-43789-001															L
	46007-5302	2	A	LONG	.094	PK-43789-001															
	46007-7302	2	A	LONG	.125	PK-43789-001															
K	46007-1103	3	A	SHORT	N/A	PK-43160-0010															K
	46007-1303	3	A	LONG	N/A	PK-43789-001															
	46007-3103	3	A	SHORT	.062	PK-43789-001															
	46007-5103	3	A	SHORT	.094	PK-43789-001															
J	46007-5303	3	A	LONG	.094	PK-43789-001															J
	46007-7303	3	A	LONG	.125	PK-43789-001															
I																					I
H																					H
G																					G
F																					F
E																					E
D																					D
C																					C
B																					B
A																					A

REMOVE 94V-2 P/NS

EC NO: UCP2009-0067

DRAWN:JCOSTEYMER 2009/03/05

CHKD:AEHAG 2009/03/05

APPR:FSM TH 2009/03/05

QUALITY
SYMBOLS

DESCRIPTION

REV

GENERAL TOLERANCES
(UNLESS SPECIFIED)

mm

INCH

4 PLACES ± --- ± ---

3 PLACES ± --- ± .005

2 PLACES ± 0.13 ± .01

1 PLACE ± 0.25 ± ---

ANGULAR ±1/2°

DRAFT WHERE APPLICABLE
MUST REMAIN
WITHIN DIMENSIONS

SIZE
D

DIMENSION STYLE

IN/MM

DRAWN BY
CSTEWART

DATE
04/29/05

CHECKED BY
BWIRKUS

DATE
DATE

APPROVED BY
BWIRKUS

DATE
DATE

MATERIAL NO.

DOCUMENT NO.

SCALE

1:1

DESIGN UNITS

INCH

THIRD ANGLE
PROJECTION

TITLE

SABRE HEADER ASSY
RT. ANGLE, 2-6 & 8 CIR.
UL 1950 COMPLIANT

MOLEX INCORPORATED

SHEET NO.

5 OF 6

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INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

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Rev. D 2004/04/02