

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0460077303

Status:

Active

Description:

7.50mm (.295") Pitch Sabre™ Header, Single Row, Right Angle, 3 Circuits, PC Tail Length 5.33mm (.210"), with Snap-In Metal Pins, Tin (Sn) Plating

Documents:

3D Model

Packaging Specification (PDF)

Drawing (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

3

3

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

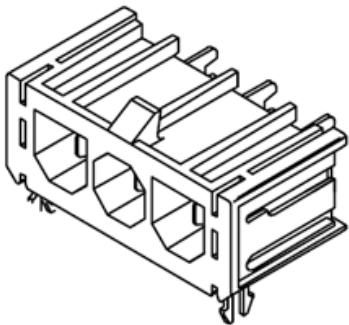
0.88

Yes

Yes

Fully

No



Series
image - Reference only

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
44441-2003

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

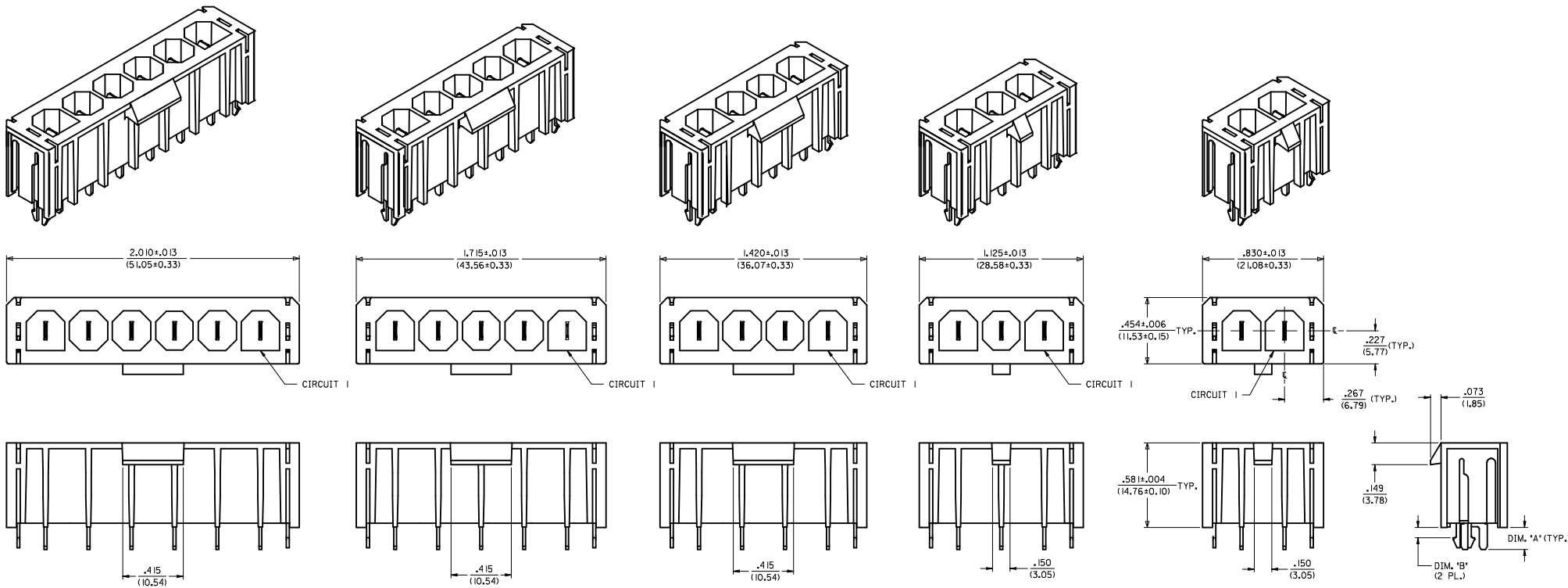
Reference - Drawing Numbers

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

This document was generated on 04/21/2010

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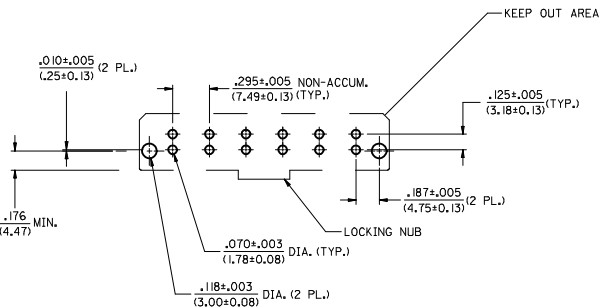
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SEE SHEET 2 AND 3 FOR ITEM NUMBER CHART

RECOMMENDED P.C. BOARD
LAYOUT FOR VERTICAL HEADERS

SCALE 2:1



6 CIRCUIT LAYOUT SHOWN

NOTES:

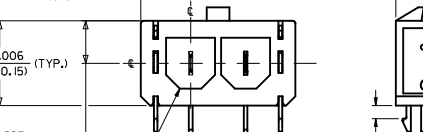
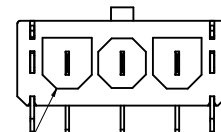
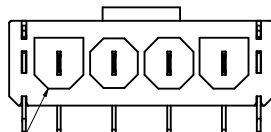
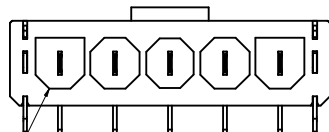
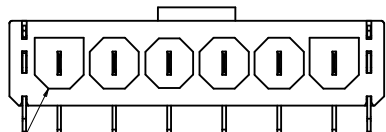
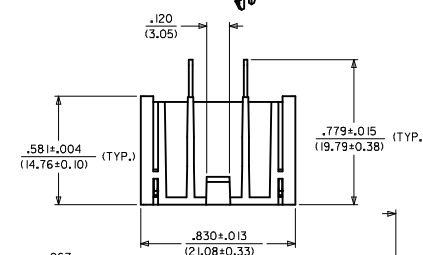
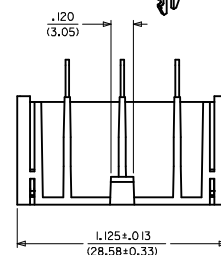
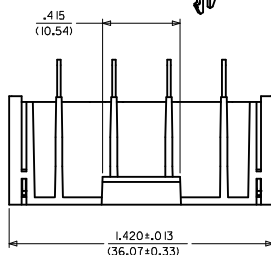
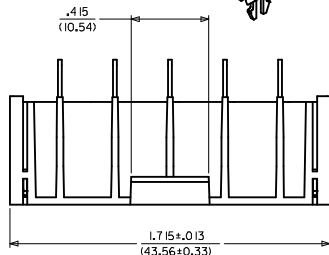
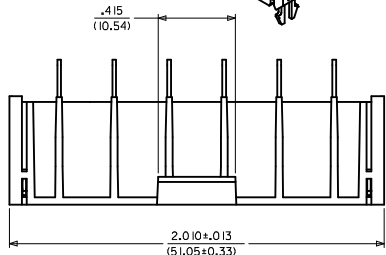
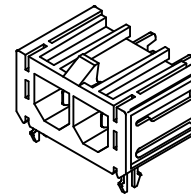
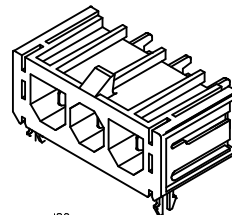
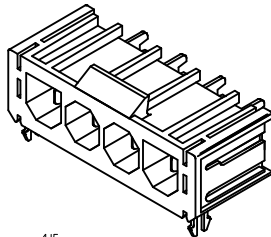
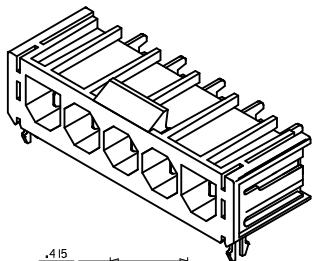
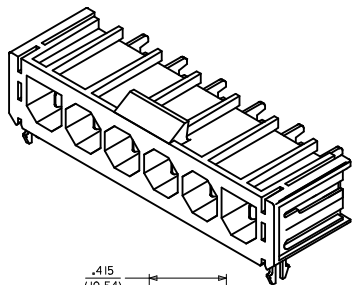
- INSULATOR MATERIAL (SEE CHART):
A = 30% GLASS FILLED 46 NYLON, 94V-0, COLOR: BLACK.
TERMINAL MATERIAL: C26000 BRASS.
- TERMINAL FINISH: 35 MICROINCH (0.88 MICROMETER) MINIMUM TIN OVER
20 MICROINCH (0.50 MICROMETER) MINIMUM COPPER.
* THE PRIMARY SHIPPING CARTON WILL BE LABELED
"COMPLIANT TO RoHS DIRECTIVE 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 EC NO: UCP2009-0067 DRAWN: KOSTEMELER 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 ± --- ± --- 3 PLACES ± --- ± .005 2 PLACES ± 0.13 ± .01 1 PLACE ± 0.25 ± --- ANGULAR ±1/2° DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	DIMENSION STYLE IN/MM DRAWN BY CSTEWART CHECKED BY DATE 04/28/05 APPROVED BY DATE MATERIAL NO. SEE CHART DOCUMENT NO. SD-46007-001	SCALE 3:1 DESIGN UNITS INCH THIRD ANGLE PROJECTION SABRE HEADER ASSY VERTICAL, 2-6 & 8 CIR. UL 1950 COMPLIANT MOLEX INCORPORATED	SHEET NO. 1 OF 6



CIRCUIT 1

CIRCUIT 1

CIRCUIT 1

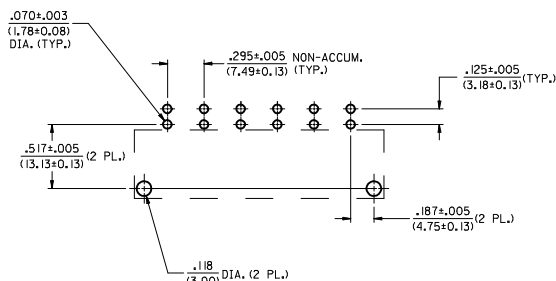
CIRCUIT 1

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

	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															L
	46007-5102	2	A	SHORT	.094	PK-43789-001															
	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:JCOSTE/ELER 2009/03/05
CHKD:AE/HAG 2009/03/05
APPR:FSM/TH 2009/03/05

REV
DESCRIPTION

QUALITY
SYMBOLS

▽=0

▽=0

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

DIMENSION STYLE

IN/MM

DRAWN BY
CSTEWART

DATE
04/29/05

CHECKED BY
BWIRKUS

DATE

APPROVED BY
BWIRKUS

DATE

MATERIAL NO.

SEE CHART

SCALE

1:1

DESIGN UNITS

INCH

THIRD ANGLE
PROJECTION

TITLE

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

MOLEX INCORPORATED

DOCUMENT NO.

SD-46007-001

SHEET NO.

5 OF 6

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