

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

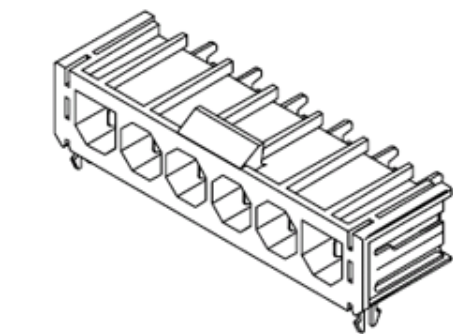
0460077306

Status:

Active

Description:

7.50mm (.295") Pitch Sabre™ Header, Single Row, Right Angle, 6 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

6

6

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
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

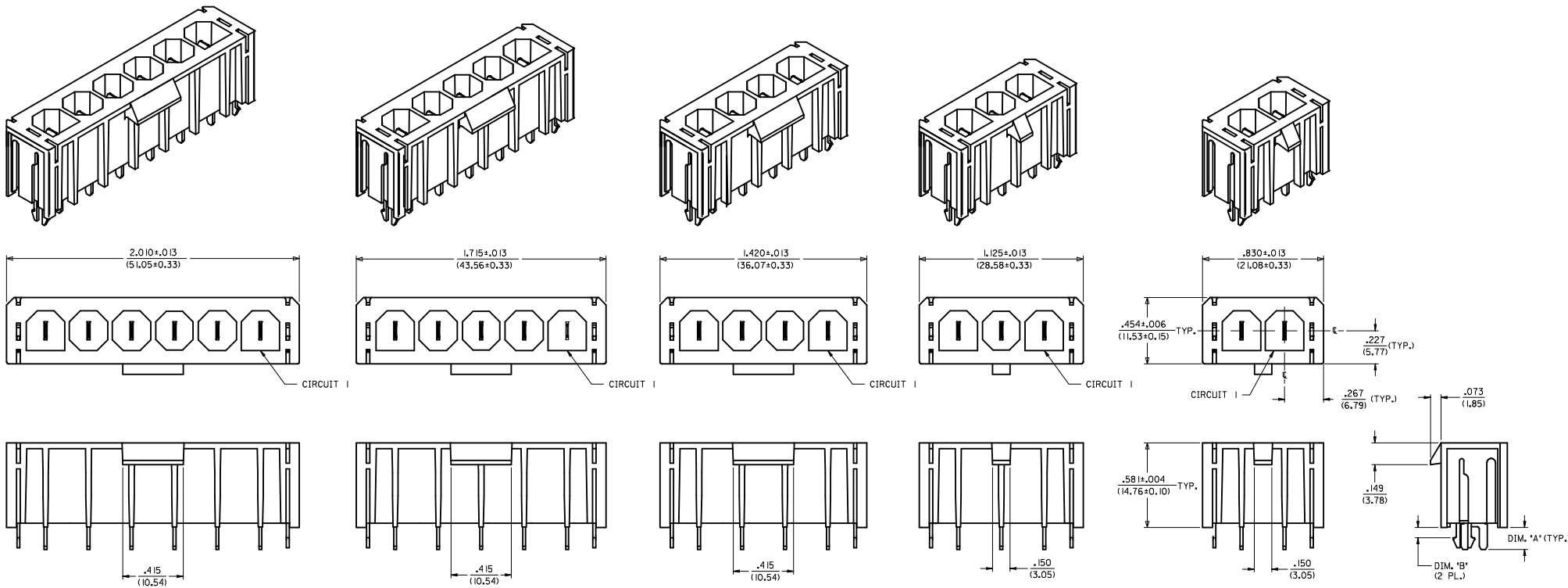
Reference - Drawing Numbers

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

This document was generated on 04/21/2010

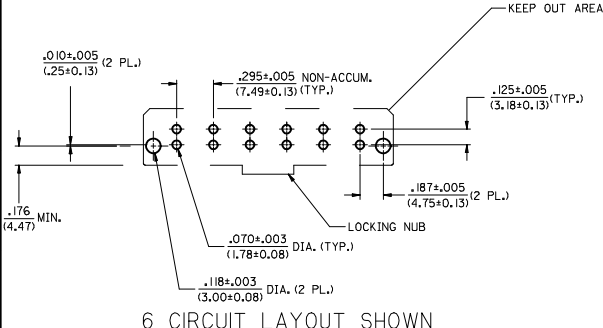
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20 19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1



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: 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 ±	---	±.005
3 PLACES ±	---	±.01
2 PLACES ±	0.13	---
1 PLACE ±	0.25	---
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

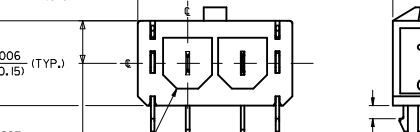
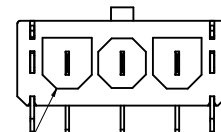
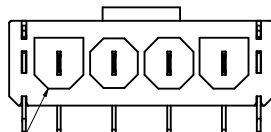
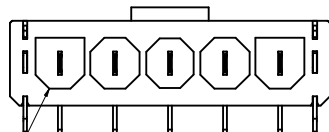
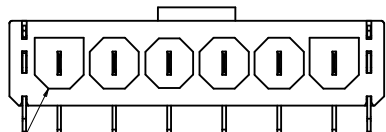
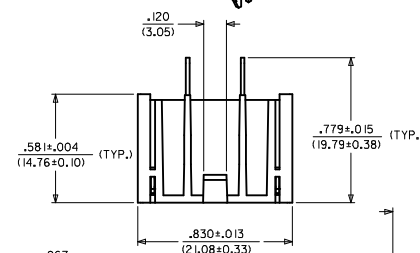
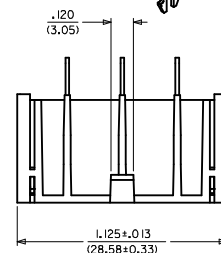
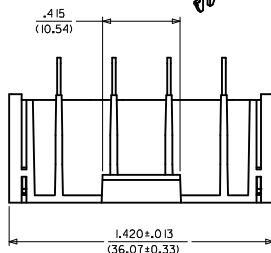
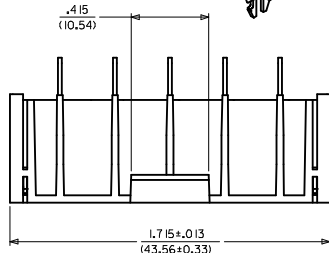
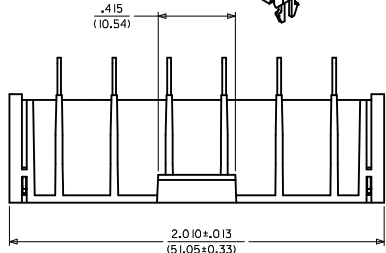
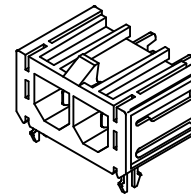
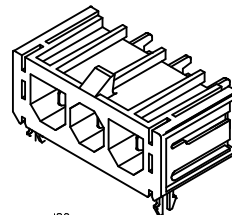
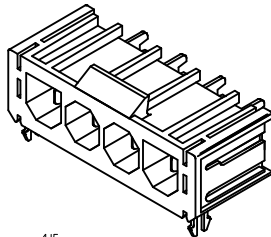
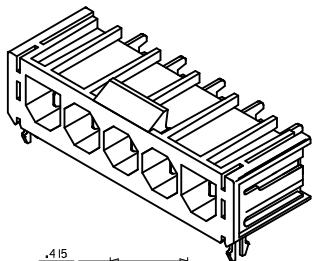
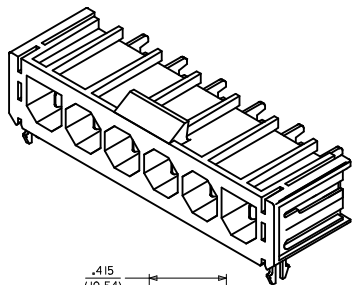
MATERIAL NO.
SEE CHART

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

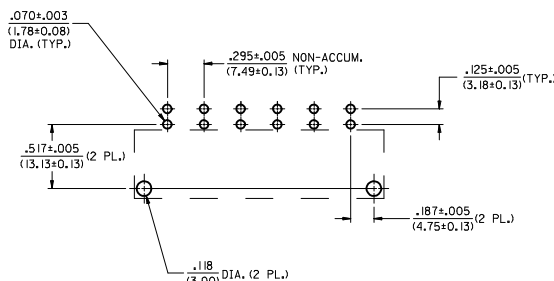
CIRCUIT 1

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

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.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	DESCRIPTION	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 BWRKUS	DATE	MOLEX MOLEX INCORPORATED		
			3 PLACES ± --- ± .005		APPROVED BY BWRKUS	DATE			
			2 PLACES ± .013 ± .01						
			1 PLACE ± 0.25 ± ---						
			ANGULAR ±1/2°		MATERIAL NO. SEE CHART		DOCUMENT NO. SD-46007-001		SHEET NO. 4 OF 6
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE REPRODUCED WITHOUT WRITTEN PERMISSION				

