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Part Number: [0460077304](#)
Status: **Active**
Description: 7.50mm (.295") Pitch Sabre™ Header, Single Row, Right Angle, 5 Circuits, PC Tail Length 3.81mm (.150"), without Snap-In Metal Pins, Tin (Sn) Plating

Documents:

3D Model	Product Specification PSX-44441-9999 (PDF)
Packaging Specification (PDF)	RoHS Certificate of Compliance (PDF)
Drawing (PDF)	

Agency Certification

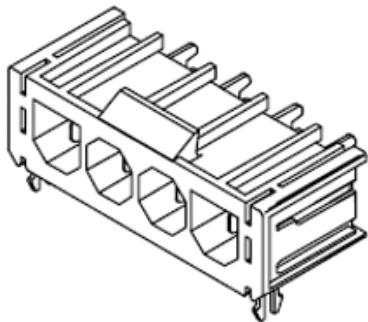
UL	E29179
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General

Product Family	PCB Headers
Series	46007
Application	Wire-to-Board
Comments	Fully Polarized, Meets UL 1950 Finger Proof Standard
Product Literature Order No	USA-113
Product Name	Sabre™

Physical

Breakaway	No
Circuits (Loaded)	4
Circuits (maximum)	4
Color - Resin	Black
Durability (mating cycles max)	25
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	Yes
Material - Metal	Brass
Material - Plating Mating	Tin
Material - Plating Termination	Tin
Material - Resin	High Temperature Thermoplastic
Number of Rows	1
Orientation	Right Angle
PC Tail Length (in)	0.210 In
PC Tail Length (mm)	5.33 mm
PCB Locator	No
PCB Retention	Yes
PCB Thickness Recommended (in)	0.125 In
PCB Thickness Recommended (mm)	3.20 mm
Packaging Type	Tray
Pitch - Mating Interface (in)	0.295 In
Pitch - Mating Interface (mm)	7.50 mm
Plating min: Mating (µin)	35
Plating min: Mating (µm)	0.88
Plating min: Termination (µin)	35
Plating min: Termination (µm)	0.88
Polarized to Mating Part	Yes
Polarized to PCB	Yes
Shrouded	Fully
Stackable	No



*Series
image - Reference only*

EU RoHS

**ELV and RoHS
Compliant**
REACH SVHC
Contains SVHC: No
**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
[44441-2004](#)

Surface Mount Compatible (SMC)
Temperature Range - Operating
Termination Interface: Style

No
-40°C to +75°C
Through Hole

Electrical

Current - Maximum per Contact
Voltage - Maximum

18A
600V

Material Info

Reference - Drawing Numbers

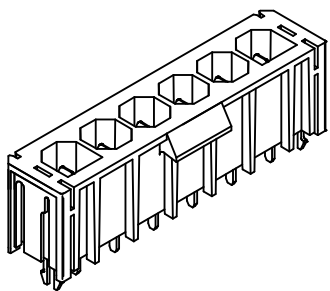
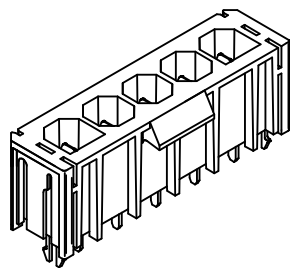
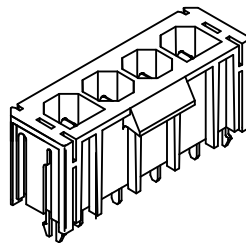
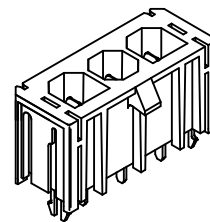
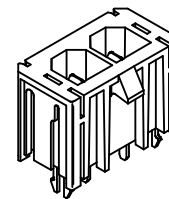
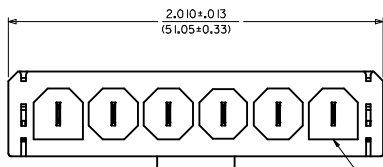
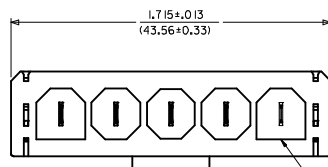
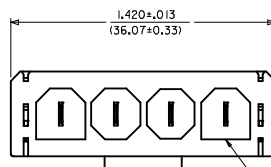
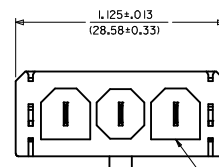
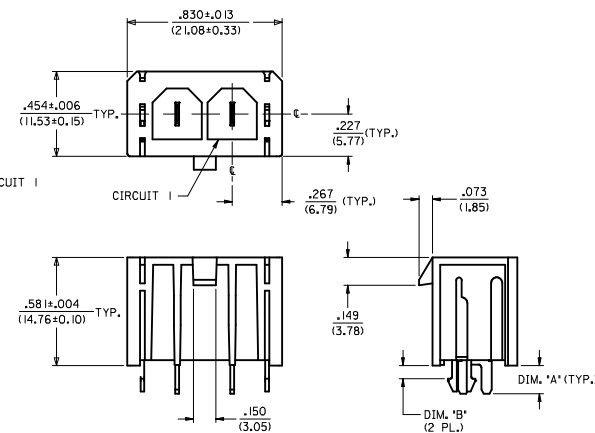
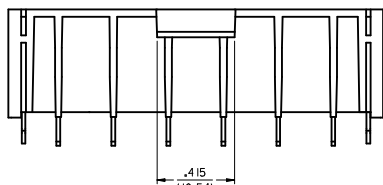
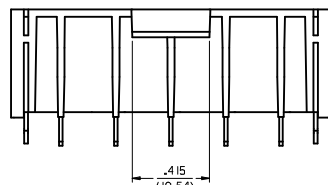
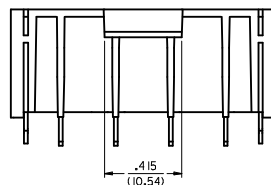
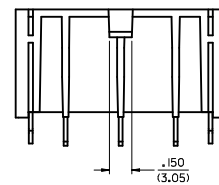
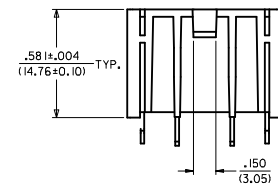
Product Specification
Sales Drawing

PSX-44441-9999
SD-46007-001

This document was generated on 04/21/2010

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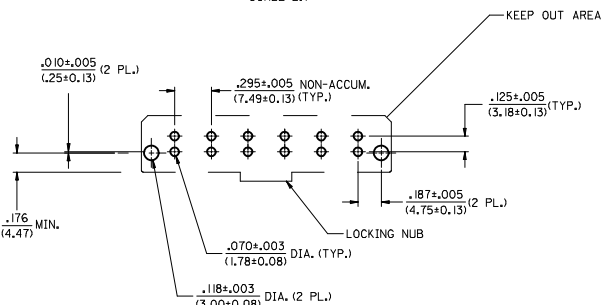
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SEE SHEET 2 AND 3 FOR ITEM NUMBER CHART

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

	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: KLOSTERMEIER 2009/03/05
CHKD: AEL-HAG 2009/03/05
APPR: FSW TH 2009/03/05

REV
DESCRIPTION

QUALITY
SYMBOLS

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
BWIRKUS

APPROVED BY
BWIRKUS

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

MOLEX INCORPORATED

DOCUMENT NO.
SD-46007-001

SHEET NO.
5 OF 6

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