

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0460071303

Status:

Active

Description:

7.50mm (.295") Pitch Sabre™ Header, Single Row, Right Angle, 3 Circuits, PC Tail Length 5.33mm (.210"), without 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

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)

3

Circuits (maximum)

3

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)

0.093 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

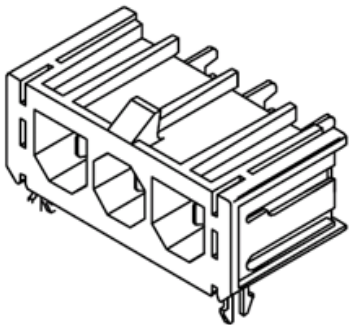
Yes

Shrouded

Fully

Stackable

No



Series
image - Reference only

EU RoHS

ELV and RoHS
Compliant
REACH SVHC
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

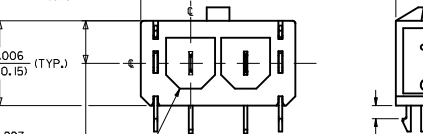
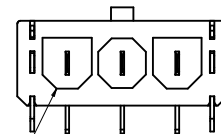
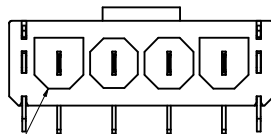
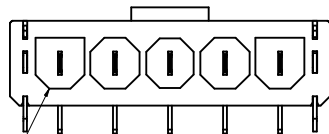
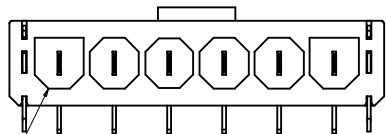
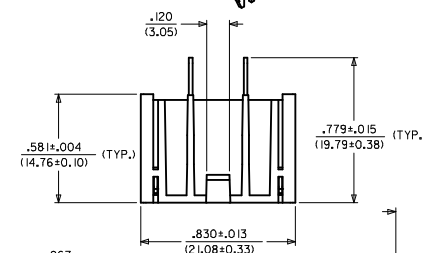
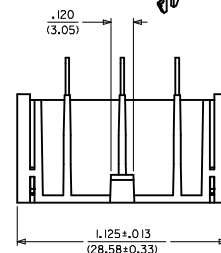
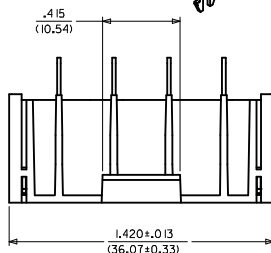
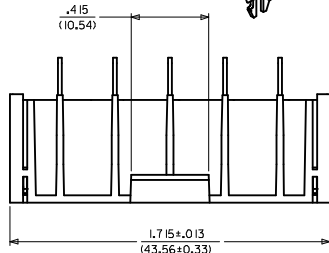
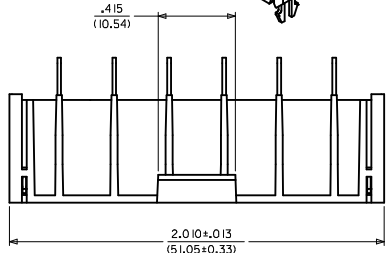
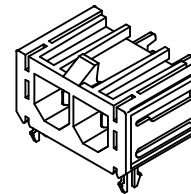
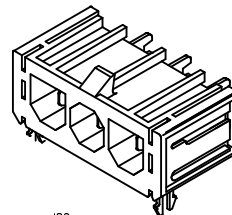
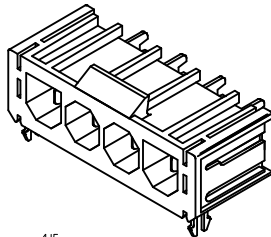
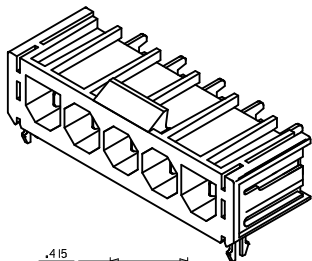
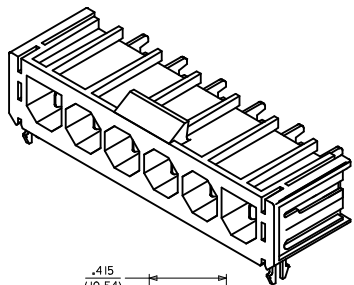
Material Info

Reference - Drawing Numbers

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

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CIRCUIT 1

CIRCUIT 1

CIRCUIT 1

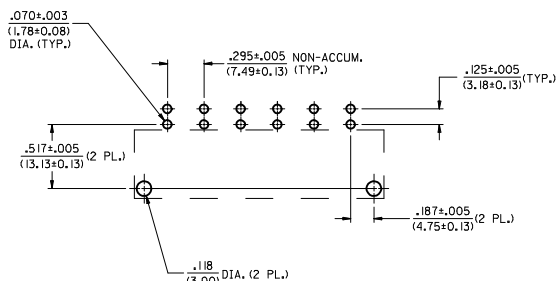
CIRCUIT 1

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:

- INSULATOR MATERIAL (SEE CHART)
A = 30% GLASS-FILLED 46 NYLON-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 ASSEMBLIES 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' ±.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 CHECKED: HAG 2009/03/05 APPROVED: TH 2009/03/05 REV DESCRIPTION	QUALITY SYMBOLS		GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE IN/MM		SCALE 3:1	DESIGN UNITS INCH	THIRD ANGLE PROJECTION
	▽=0	mm	INCH	4 PLACES ± ---	± ---	DRAWN BY CSTEWART	DATE 04/29/05	TITLE SABRE HEADER ASSY RT. ANGLE, 2-6 & 8 CIR. UL 1950 COMPLIANT	
	▽=0	mm	INCH	3 PLACES ± ---	± .005	CHECKED BY BWIRKUS	DATE		
		mm	INCH	2 PLACES ± 0.13	± .01	APPROVED BY BWIRKUS	DATE		
		mm	INCH	1 PLACE ± 0.25	± ---			MOLEX MOLEX INCORPORATED	
				ANGULAR ±1/2°		MATERIAL NO. SEE CHART		DOCUMENT NO. SD-46007-001	SHEET NO. 4 OF 6
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SIZE D		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 ASSEMBLY ITEM NO	PART CHARACTERISTICS FOR RIGHT ANGLE HEADER				PACKAGING SPECIFICATIONS															M					
	CIRCUIT SIZE	HSG. MAT'L (SEE NOTE 1)	SOLDER TAIL	BOARD LOCK									RT. ANGLE HEADER ASSEMBLY ITEM NO	CIRCUIT SIZE	HSG. MAT'L (SEE NOTE 1)	SOLDER TAIL	BOARD LOCK	PACKAGING SPECIFICATIONS								
	46007-1102	2	A	SHORT	N/A	PK-43160-0010										46007-1106	6	A	SHORT	N/A	PK-43160-0010					
	46007-1302	2	A	LONG	N/A	PK-43789-001										46007-1306	6	A	LONG	N/A	PK-43789-001					
L	46007-3102	2	A	SHORT	.062	PK-43789-001										46007-3106	6	A	SHORT	.062	PK-43789-001					L
	46007-5102	2	A	SHORT	.094	PK-43789-001										46007-5106	6	A	SHORT	.094	PK-43789-001					
	46007-5302	2	A	LONG	.094	PK-43789-001										46007-5306	6	A	LONG	.094	PK-43789-001					
	46007-7302	2	A	LONG	.125	PK-43789-001										46007-7306	6	A	LONG	.125	PK-43789-001					
K	46007-1103	3	A	SHORT	N/A	PK-43160-0010										46007-1105	5	A	LONG	N/A	PK-43789-001					K
	46007-1303	3	A	LONG	N/A	PK-43789-001										46007-1305	5	A	SHORT	.062	PK-43789-001					
	46007-3103	3	A	SHORT	.062	PK-43789-001										46007-3105	5	A	SHORT	.094	PK-43789-001					
	46007-5103	3	A	SHORT	.094	PK-43789-001										46007-5105	5	A	LONG	.094	PK-43789-001					
	46007-5303	3	A	LONG	.094	PK-43789-001										46007-5305	5	A	LONG	.125	PK-43789-001					
J	46007-7303	3	A	LONG	.125	PK-43789-001										46007-7305	5	A	LONG	.125	PK-43789-001					J
I																					I					
H																					H					
G																					G					
F																					F					
E																					E					
D																					D					
C																					C					
B																					B					
A																					A					

REMOVE 94V-2 P/N'S EC NO: UCP2009-0067 DRAWN: MLOSTEMEIER 2009/03/05 CHKD: AELHAG 2009/03/05 APPR: F SMITH 2009/03/05	DESCRIPTION REV	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)			DIMENSION STYLE		SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION			
		 =0  =0	mm	INCH	DRAWN BY	DATE	TITLE	SABRE HEADER ASSY RT. ANGLE, 2-6 & 8 CIR. UL 1950 COMPLIANT					
					CHECKED BY	DATE							
					APPROVED BY	DATE							
					MATERIAL NO.				DOCUMENT NO.				
					SD-46007-001								
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			SEE CHART		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		SHEET NO. 5 OF 6				
												A	

	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	
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REMOVE 94V-2 P/NS

EC NO: UCP2009-0067

DRAWN:JCOSTEY 2009/03/05

CHKD:AEHAG 2009/03/05

APPR:FSM TH 2009/03/05

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 DATE

CSTEWART 04/29/05

CHECKED BY DATE

BWIRKUS

APPROVED BY DATE

BWIRKUS

MATERIAL NO.

SEE CHART

DOCUMENT NO.

SD-46007-001

SHEET NO.

5 OF 6

SCALE

1:1

DESIGN UNITS

INCH

THIRD ANGLE PROJECTION

TITLE

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

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