

## Excellent Integrated System Limited

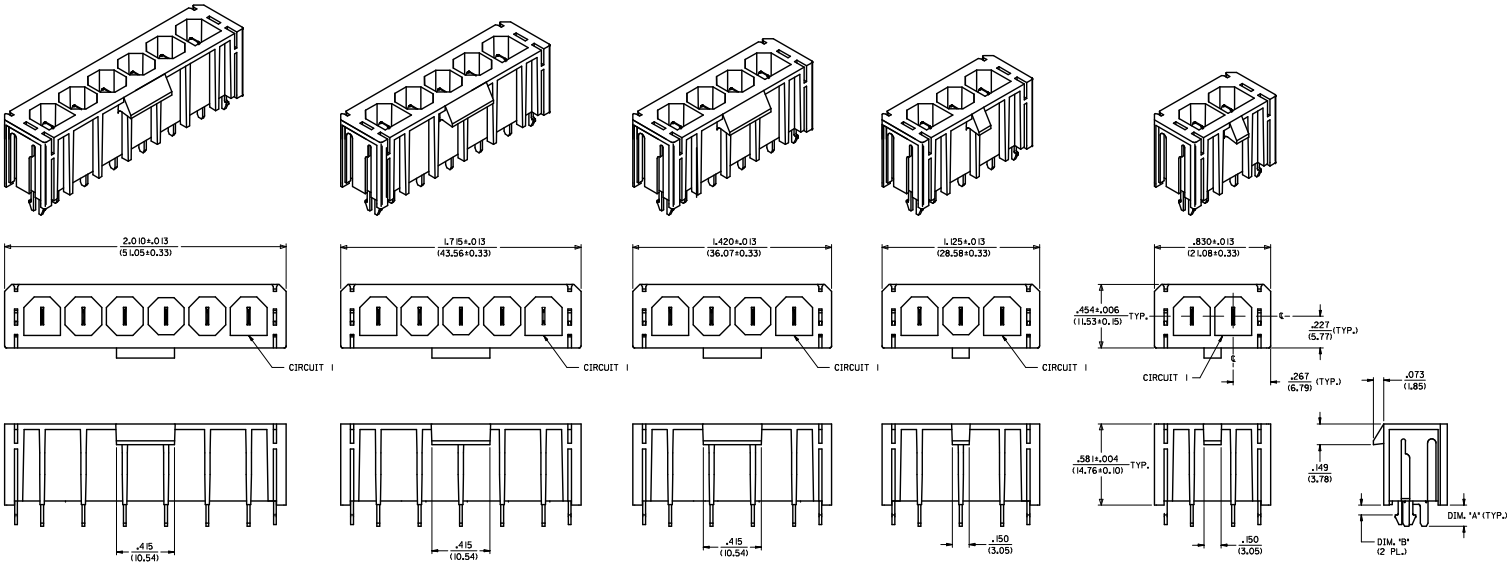
Stocking Distributor

Click to view price, real time Inventory, Delivery & Lifecycle Information:

[Molex Connector Corporation](#)  
[0460076304](#)

For any questions, you can email us directly:

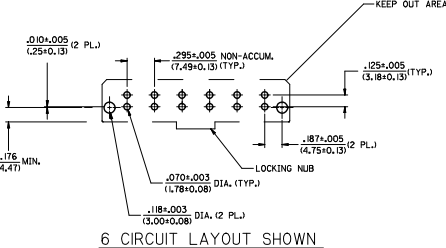
[sales@integrated-circuit.com](mailto:sales@integrated-circuit.com)



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:  
BRASS
- TERMINAL FINISH: 60 MICRONCH (.150 MICROMETER) MINIMUM TIN OVER  
50 MICRONCH (.125 MICROMETER) MINIMUM NICKEL.
- PRODUCT SPECIFICATION: PS-4441-9999.
- PACKAGING: SEE CHART.
- THESE HEADERS MATE WITH 43179, 43335, OR 44441 RECEPTACLE HOUSINGS.
- HEADERS INDICATED AS "FINGER-PROOF" ARE DESIGNED TO MINIMIZE ACCESSIBILITY TO LIVE PARTS. PER UL1977 AND UL60950 (FORMERLY UL950) FINGER PROBE REQUIREMENTS.
- SEE SHEETS L 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/(17.49) CENTERLINE SPACING.
- DIMENSIONS ARE FOR REFERENCE ONLY, UNLESS INDICATED OTHERWISE.
- THIS PART CONFORMS TO CLASS B REQUIREMENTS OF COSMETIC SPEC PS-45499-002.

SOLDER TAIL	DIM. "A" ±.020/(0.51)
SHORT	.150/(3.81)
LONG	.210/(5.33)

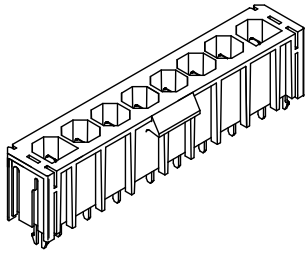
BOARD LOCK	DIM. "B" ±.004/(0.10)
.062	.070/(1.78)
.094	.102/(2.59)
.125	.133/(3.38)

QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE		SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION
		IN/MM	IN/CH			
▽=0	4 PLACES ±.005	mm	INCH	3:1	INCH	THIRD ANGLE PROJECTION
▽=0	3 PLACES ±.005	DRAWN BY DATE CSTEWART 04/28/05		TITLE SABRE HEADER ASSY		
▽=0	2 PLACES ±0.13	CHECKED BY DATE		2-6 & 8 CIR.		
▽=0	1 PLACE ±0.25	APPROVED BY DATE		FINGER-PROOF		
▽=0	0 PLACE ±.005	FSM TH 2015/01/05		molex		
ANGULAR ±1/2°		MATERIAL NO.		DOCUMENT NO.		SHEET NO.
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE CHART		SD-46007-001		1 OF 6
SIZE D THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION						

VERTICAL HEADER ASSEMBLY ITEM NO.	CIRCUIT SIZE	HSG. MAT'L (SEE NOTE D)	SOLDER TAIL	BOARD LOCK	PACKAGING SPECIFICATIONS	VERTICAL HEADER ASSEMBLY ITEM NO.	CIRCUIT SIZE	HSG. MAT'L (SEE NOTE D)	SOLDER TAIL	BOARD LOCK	PACKAGING SPECIFICATIONS	VERTICAL HEADER ASSEMBLY ITEM NO.	CIRCUIT SIZE	HSG. MAT'L (SEE NOTE D)	SOLDER TAIL	BOARD LOCK	PACKAGING SPECIFICATIONS
46007-0102	2	A	SHORT	N/A	PK-43160-0010	46007-0104	4	A	SHORT	N/A	PK-43160-0010	46007-0106	6	A	SHORT	N/A	PK-43160-0010
46007-0302	2	A	LONG	N/A	PK-43789-001	46007-0304	4	A	LONG	N/A	PK-43789-001	46007-0306	6	A	LONG	N/A	PK-43789-001
46007-2102	2	A	SHORT	.062	PK-43789-001	46007-2104	4	A	SHORT	.062	PK-43789-001	46007-2106	6	A	SHORT	.062	PK-43789-001
46007-4102	2	A	SHORT	.094	PK-43789-001	46007-4104	4	A	SHORT	.094	PK-43789-001	46007-4106	6	A	SHORT	.094	PK-43789-001
46007-4302	2	A	LONG	.094	PK-43789-001	46007-4304	4	A	LONG	.094	PK-43789-001	46007-4306	6	A	LONG	.094	PK-43789-001
46007-6302	2	A	LONG	.125	PK-43789-001	46007-6304	4	A	LONG	.125	PK-43789-001	46007-6306	6	A	LONG	.125	PK-43789-001
46007-0103	3	A	SHORT	N/A	PK-43160-0010	46007-0105	5	A	SHORT	N/A	PK-43160-0010	46007-0107	7	A	SHORT	N/A	PK-43160-0010
46007-0303	3	A	LONG	N/A	PK-43789-001	46007-0305	5	A	LONG	N/A	PK-43789-001	46007-0307	7	A	LONG	N/A	PK-43789-001
46007-2103	3	A	SHORT	.062	PK-43789-001	46007-2105	5	A	SHORT	.062	PK-43789-001	46007-2107	7	A	SHORT	.062	PK-43789-001
46007-4103	3	A	SHORT	.094	PK-43789-001	46007-4105	5	A	SHORT	.094	PK-43789-001	46007-4107	7	A	SHORT	.094	PK-43789-001
46007-4303	3	A	LONG	.094	PK-43789-001	46007-4305	5	A	LONG	.094	PK-43789-001	46007-4307	7	A	LONG	.094	PK-43789-001
46007-6303	3	A	LONG	.125	PK-43789-001	46007-6305	5	A	LONG	.125	PK-43789-001	46007-6307	7	A	LONG	.125	PK-43789-001

<b>SEE SHEET 1</b> EC No. 0460076304-2602 20/11/17/23 DRAWN: JDFX CHK'D: BENDERSON APPR'D: SMITH DATE: 20/11/17/23	QUALITY SYMBOLS ∇=0 ∇=0 ∇=0	GENERAL TOLERANCES (UNLESS SPECIFIED) <table border="1"> <tr> <th></th> <th>mm</th> <th>INCH</th> </tr> <tr> <td>4 PLACES</td> <td>±.005</td> <td>±.0005</td> </tr> <tr> <td>3 PLACES</td> <td>±.005</td> <td>±.0005</td> </tr> <tr> <td>2 PLACES</td> <td>±0.13</td> <td>±.01</td> </tr> <tr> <td>1 PLACE</td> <td>±0.25</td> <td>±.01</td> </tr> <tr> <td>0 PLACE</td> <td>±.005</td> <td>±.0005</td> </tr> </table>		mm	INCH	4 PLACES	±.005	±.0005	3 PLACES	±.005	±.0005	2 PLACES	±0.13	±.01	1 PLACE	±0.25	±.01	0 PLACE	±.005	±.0005	DIMENSION STYLE IN/MM DRAWN BY: CSTENWART DATE: 04/28/05 CHECKED BY: [ ] DATE: [ ] APPROVED BY: FSMITH DATE: 2015/01/05	SCALE 3:1 DESIGN UNITS INCH THIRD ANGLE PROJECTION	TITLE SABRE HEADER ASSY 2-6 & 8 CIR. FINGER-PROOF	MATERIAL NO. <b>SEE CHART</b>	DOCUMENT NO. SD-46007-001	SHEET NO. 2 OF 6
		mm	INCH																							
	4 PLACES	±.005	±.0005																							
	3 PLACES	±.005	±.0005																							
2 PLACES	±0.13	±.01																								
1 PLACE	±0.25	±.01																								
0 PLACE	±.005	±.0005																								
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

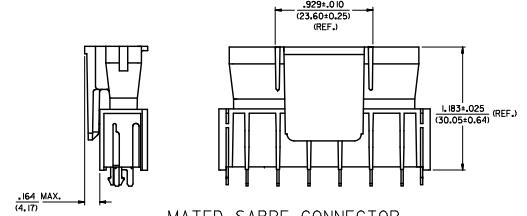
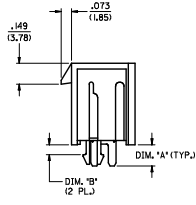
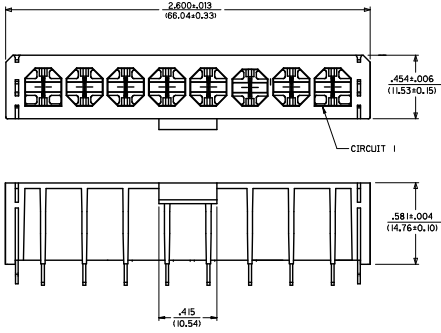


BOARD LOCK	DIM. 'B' ±.004/(0,10)
.062	.070/(1,78)
.094	.102/(2,59)
.125	.133/(3,38)

SOLDER TAIL	DIM. 'A' ±.020/(0,51)
SHORT	.150/(3,81)
LONG	.210/(5,33)

VERTICAL HEADER ASSEMBLY ITEM NO.	PART CHARACTERISTICS FOR VERTICAL HEADER	PACKAGING SPECIFICATIONS			
		CIRCUIT SIZE	HSG. MAT'L (SEE NOTE 1)	SOLDER TAIL	BOARD LOCK
46007-0108	8 A SHORT N/A				PK-43160-0010
46007-0308	8 A LONG N/A				PK-43789-001
46007-2108	8 A SHORT .062				PK-43789-001
46007-4108	8 A SHORT .094				PK-43789-001
46007-4308	8 A LONG .094				PK-43789-001
46007-6308	8 A LONG .125				PK-43789-001

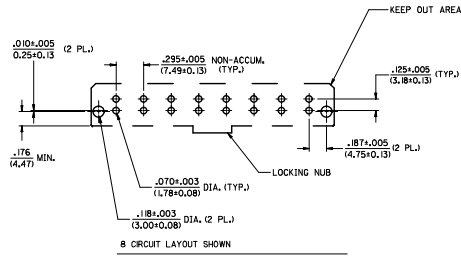


MATED SABRE CONNECTOR

NO SCALE

**RECOMMENDED P.C. BOARD LAYOUT FOR VERTICAL HEADERS**

SCALE 2x1



QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE		SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION
		IN/MM	INCH			
∇=0	4 PLACES ±.005	mm	INCH	3:1	INCH	THIRD ANGLE PROJECTION
∇=0	3 PLACES ±.005					
∇=0	2 PLACES ±0.13 ±.01					
∇=0	1 PLACE ±0.25					
∇=0	0 PLACE					

SEE SHEET 1	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE	SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION
REC. NO. 0460076304-2602	∇=0	4 PLACES ±.005	IN/MM	3:1	INCH	THIRD ANGLE PROJECTION
DRWN: JDEK 20/11/07	∇=0	3 PLACES ±.005				
CHKD: BENDERSON 20/11/07	∇=0	2 PLACES ±0.13 ±.01				
APPR: SMITH 20/11/07	∇=0	1 PLACE ±0.25				
REV		0 PLACE				

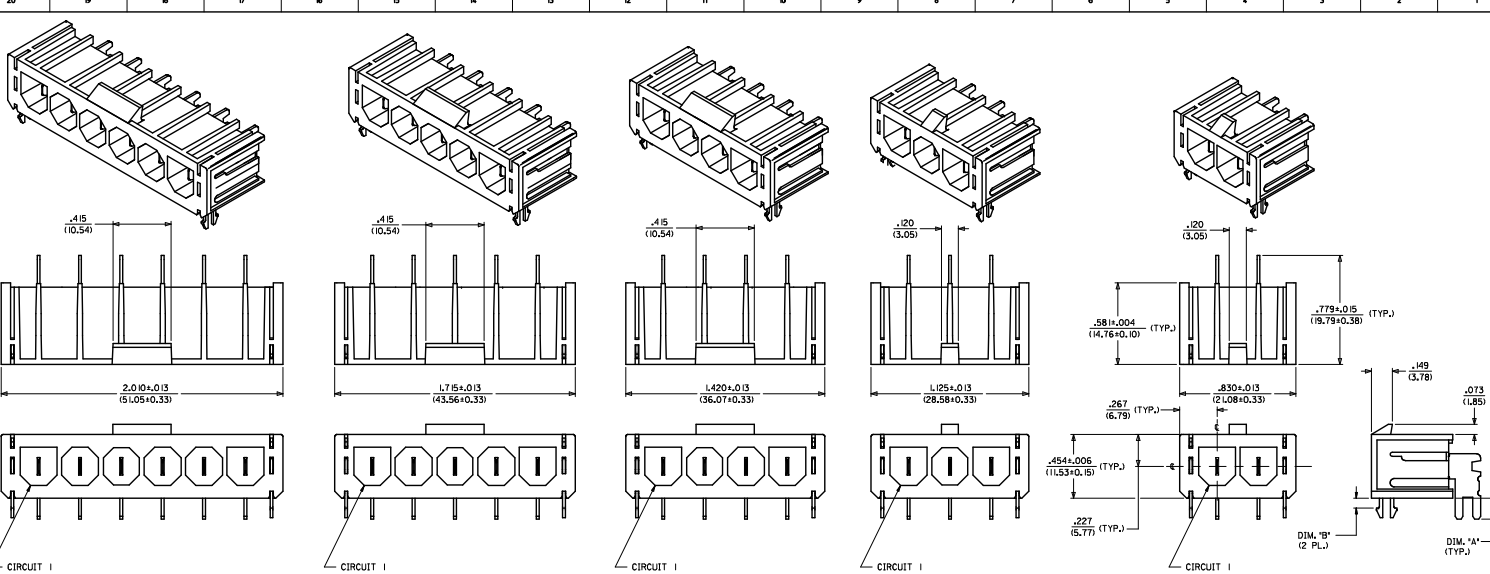
  

DATE	DRAWN BY	CHECKED BY	APPROVED BY	DATE	DATE	DATE	DATE	DATE
20/11/07	JDEK	BENDERSON	SMITH	20/11/07	04/28/05			

PARTIAL NO.	SEE CHART	DOCUMENT NO.	SHEET NO.
		SD-46007-001	3 OF 6

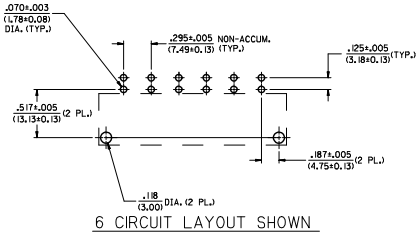
19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1



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, 94V-0, COLOR: BLACK
- TERMINAL MATERIAL: BRASS  
TERMINAL FINISH: 40 MICRONCH (.50 MICROMETER) MINIMUM TIN OVER  
50 MICRONCH (.25 MICROMETER) MINIMUM NICKEL.
- PRODUCT SPECIFICATION: PS-4441-9999.
- PACKAGING: SEE CHART.
- THESE HEADERS MATE WITH 43119, 43335, OR 44441 RECEPTACLE HOUSINGS.
- HEADERS INDICATED AS "FINGER-PROOF" ARE DESIGNED TO MINIMIZE ACCESSIBILITY TO LIVE PARTS PER UL1077 AND UL60950 (FORMERLY UL1850) FINGER 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.
- THIS PART CONFORMS TO CLASS B REQUIREMENTS OF COSMETIC SPEC PS-45499-002.

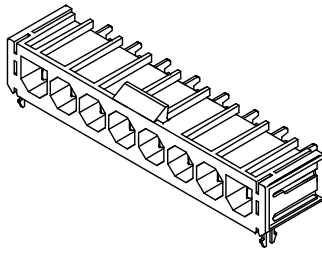
SOLDER TAIL	DIM. 'A' ±.011/(0.28)
SHORT	.150/(3.81)
LONG	.210/(5.33)

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

QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION
	mm	INCH	IN/MM	INCH			
▽=0	4 PLACES ±.005	±.005	DRAWN BY	DATE	3:1	INCH	THIRD ANGLE PROJECTION
▽=0	3 PLACES ±.010	±.010	CSTEWART	04/28/05			
▽=0	2 PLACES ±0.13	±.01	CHECKED BY	DATE	TITLE		
▽=0	1 PLACE ±0.25	±.01	APPROVED BY	DATE	SABRE HEADER ASSY		
▽=0	0 PLACE	±.01	FSMITH	2015/01/05	2-6 & 8 CIR. FINGER-PROOF		
ANGULAR ±1/2°			MATERIAL NO.		molex		
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			SEE CHART		DOCUMENT NO. SD-46007-001		
SIZE D			THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				

RT. ANGLE HEADER ASSEMBLY ITEM NO.	CIRCUIT SIZE	HSG. MAT'L (SEE NOTE 1)	SOLDER TAIL	BOARD LOCK	PACKAGING SPECIFICATIONS	RT. ANGLE HEADER ASSEMBLY ITEM NO.	CIRCUIT SIZE	HSG. MAT'L (SEE NOTE 1)	SOLDER TAIL	BOARD LOCK	PACKAGING SPECIFICATIONS	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	46007-1104	4	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	46007-1304	4	A	LONG	N/A	PK-43789-001	46007-1306	6	A	LONG	N/A	PK-43789-001
46007-3102	2	A	SHORT	.062	PK-43789-001	46007-3104	4	A	SHORT	.062	PK-43789-001	46007-3106	6	A	SHORT	.062	PK-43789-001
46007-5102	2	A	SHORT	.094	PK-43789-001	46007-5104	4	A	LONG	.094	PK-43789-001	46007-5106	6	A	SHORT	.094	PK-43789-001
46007-5302	2	A	LONG	.094	PK-43789-001	46007-5304	4	A	LONG	.125	PK-43789-001	46007-5306	6	A	LONG	.094	PK-43789-001
46007-7302	2	A	LONG	.125	PK-43789-001	46007-7304	5	A	SHORT	N/A	PK-43160-0010	46007-7306	6	A	LONG	.125	PK-43789-001
46007-1103	3	A	SHORT	N/A	PK-43160-0010	46007-1105	5	A	LONG	N/A	PK-43789-001						
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						
46007-7303	3	A	LONG	.125	PK-43789-001	46007-7305	5	A	LONG	.125	PK-43789-001						

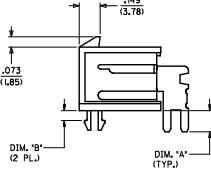
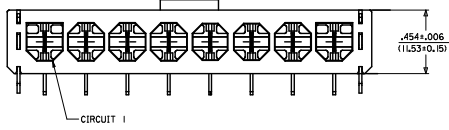
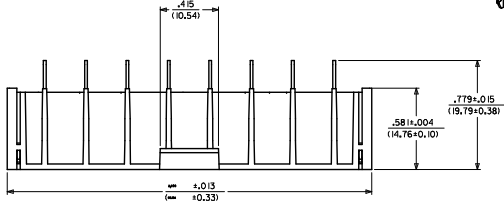
<b>SEE SHEET 1</b> EC No. 0460076304-2602 20/11/17/23 DRAWN: JDEK CHK: BENDERSON APP: P. SMITH DATE: 20/11/17/23	QUALITY SYMBOLS ∇=0 ∇=0 ∇=0	GENERAL TOLERANCES (UNLESS SPECIFIED) <table border="1"> <tr> <th></th> <th>mm</th> <th>INCH</th> </tr> <tr> <td>4 PLACES</td> <td>±.005</td> <td>±.0005</td> </tr> <tr> <td>3 PLACES</td> <td>±.005</td> <td>±.0005</td> </tr> <tr> <td>2 PLACES</td> <td>±0.13</td> <td>±.01</td> </tr> <tr> <td>1 PLACE</td> <td>±0.25</td> <td>±.01</td> </tr> <tr> <td>0 PLACE</td> <td>±.005</td> <td>±.0005</td> </tr> </table>		mm	INCH	4 PLACES	±.005	±.0005	3 PLACES	±.005	±.0005	2 PLACES	±0.13	±.01	1 PLACE	±0.25	±.01	0 PLACE	±.005	±.0005	DIMENSION STYLE IN/MM DRAWN BY: CSTEWART DATE: 04/28/05 CHECKED BY: [ ] DATE: [ ] APPROVED BY: FSMITH DATE: 2015/01/05	SCALE 3:1 DESIGN UNITS INCH THIRD ANGLE PROJECTION	TITLE SABRE HEADER ASSY 2-6 & 8 CIR. FINGER-PROOF
		mm	INCH																				
	4 PLACES	±.005	±.0005																				
	3 PLACES	±.005	±.0005																				
2 PLACES	±0.13	±.01																					
1 PLACE	±0.25	±.01																					
0 PLACE	±.005	±.0005																					
			MATERIAL NO. <b>SEE CHART</b>	DOCUMENT NO. SD-46007-001	SHEET NO. 5 OF 6																		
		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																				



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

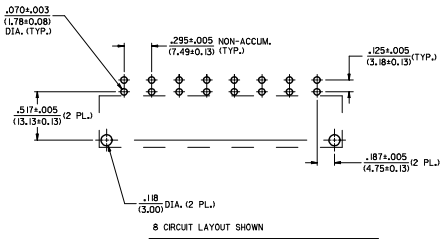
SOLDER TAIL	DIM. "A" +.011/(0.28)
SHORT	.150/(3.81)
LONG	.210/(5.33)

RT. ANGLE HEADER ASSEMBLY ITEM NO.	PART CHARACTERISTICS FOR RIGHT ANGLE HEADER				PACKAGING SPECIFICATIONS	
	CIRCUIT SIZE	HSG. MAT'L (SEE NOTE 1)	SOLDER TAIL	BOARD LOCK		
1	-110*	*	*	SHORT	N/A	PK-43160-0010
2	-130*	*	*	LONG	N/A	PK-43789-001
3	-310*	*	*	SHORT	.062	PK-43789-001
4	-510*	*	*	SHORT	.094	PK-43789-001
5	-530*	*	*	LONG	.094	PK-43789-001
6	-730*	*	*	LONG	.125	PK-43789-001



**RECOMMENDED P.C. BOARD LAYOUT FOR RIGHT ANGLE HEADERS**

SCALE 2:1



QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE		SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION
		IN/MM	IN/MM			
∇=0	4 PLACES ±.005	mm	INCH	3:1	INCH	THIRD ANGLE PROJECTION
∇=0	3 PLACES ±.005	DRAWN BY CSTEWART		DATE 04/28/05	TITLE SABRE HEADER ASSY	
∇=0	2 PLACES ±0.13 ±.01	CHECKED BY		DATE	2-6 & 8 CIR. FINGER-PROOF	
∇=0	1 PLACE ±0.25 ±.01	APPROVED BY FSMITH		DATE 2015/01/05	molex	
∇=0	0 PLACE ±.005 ±.01	ANGULAR ±1/2°		DOCUMENT NO. SD-46007-001		SHEET NO. 6 OF 6
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		