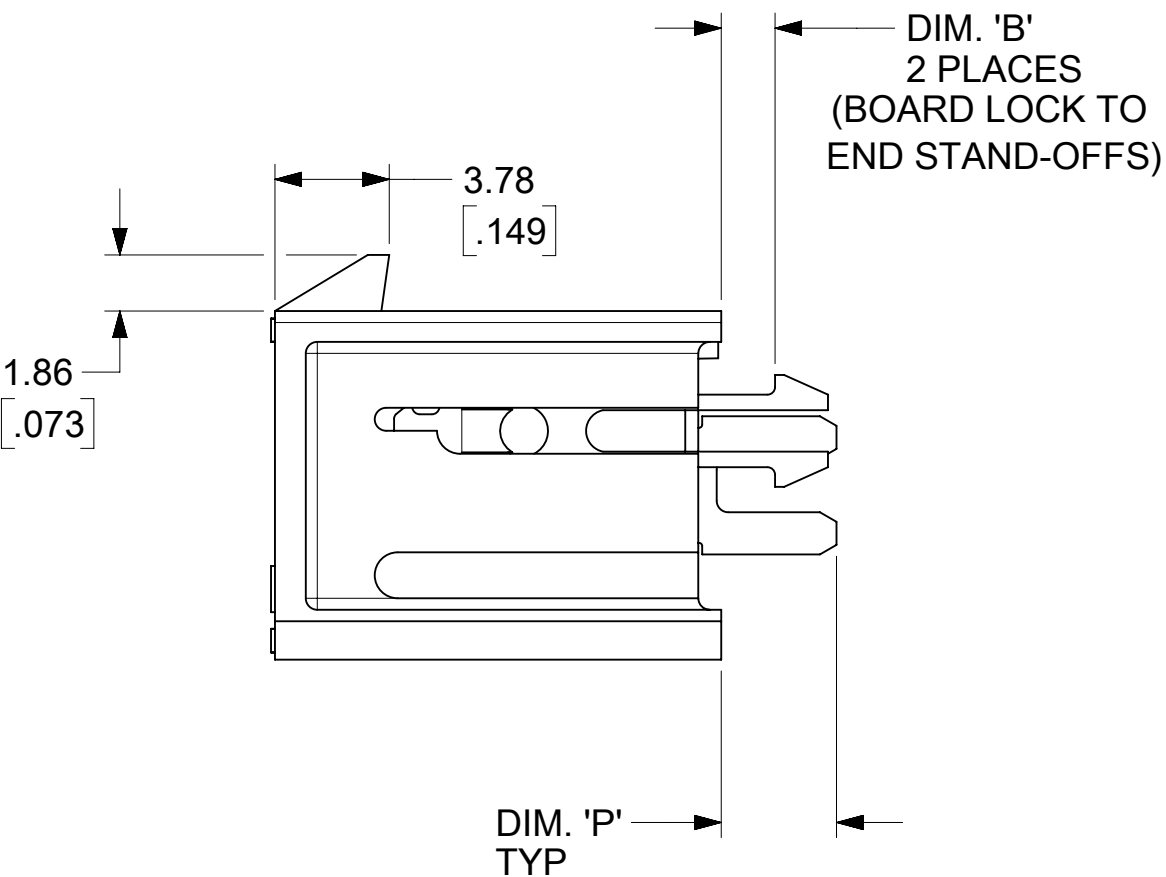
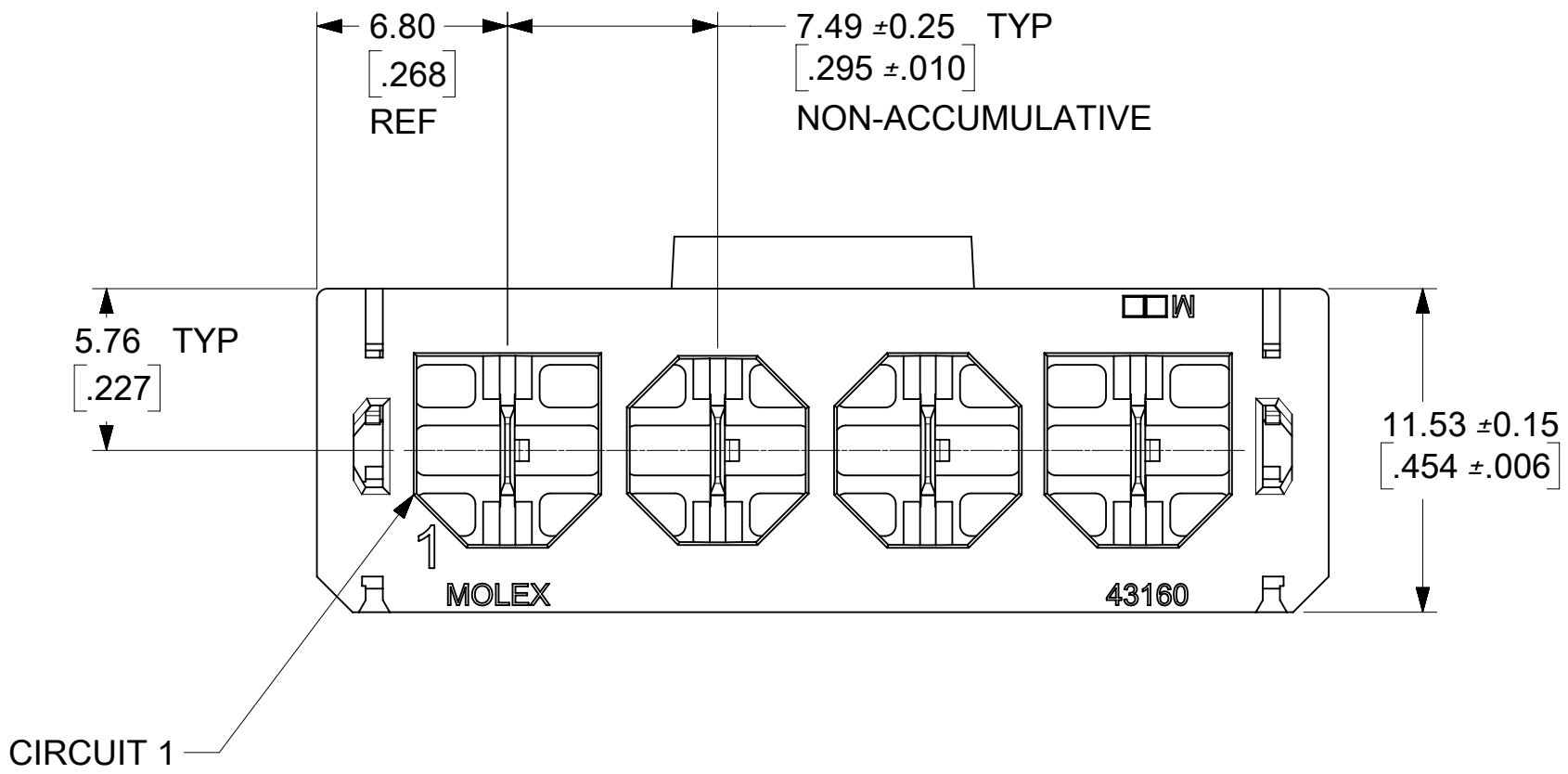
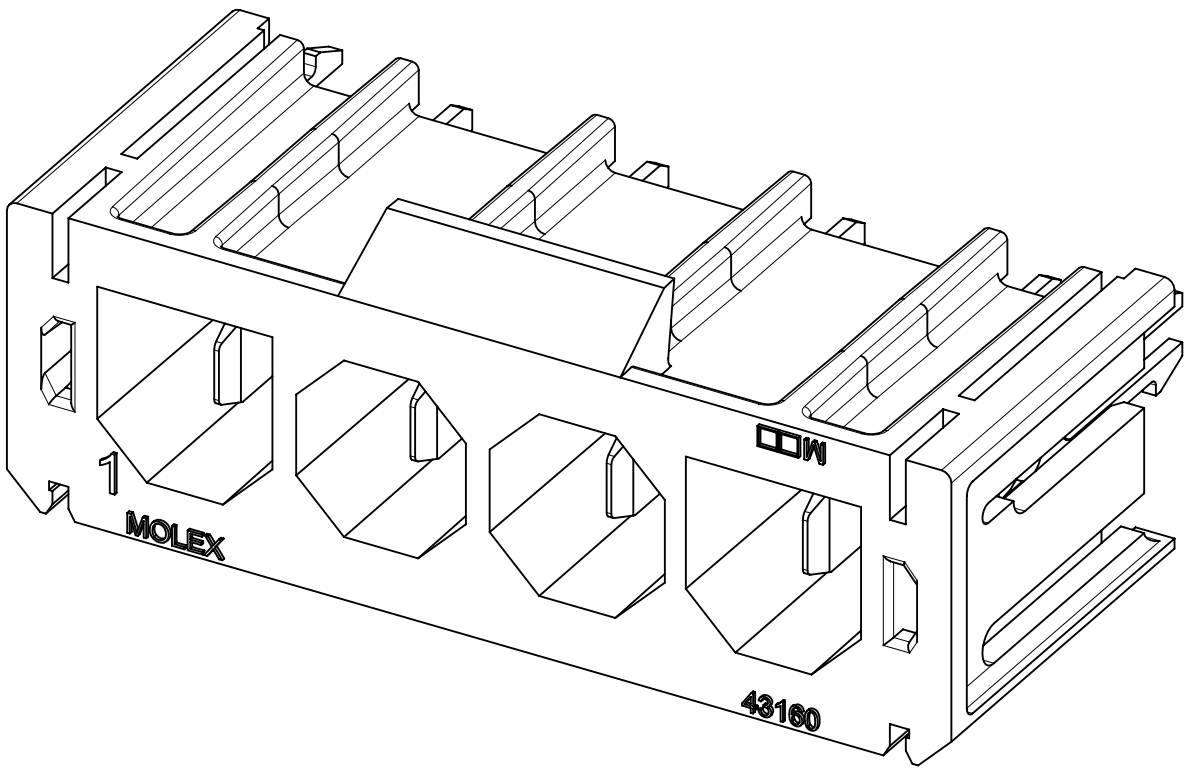
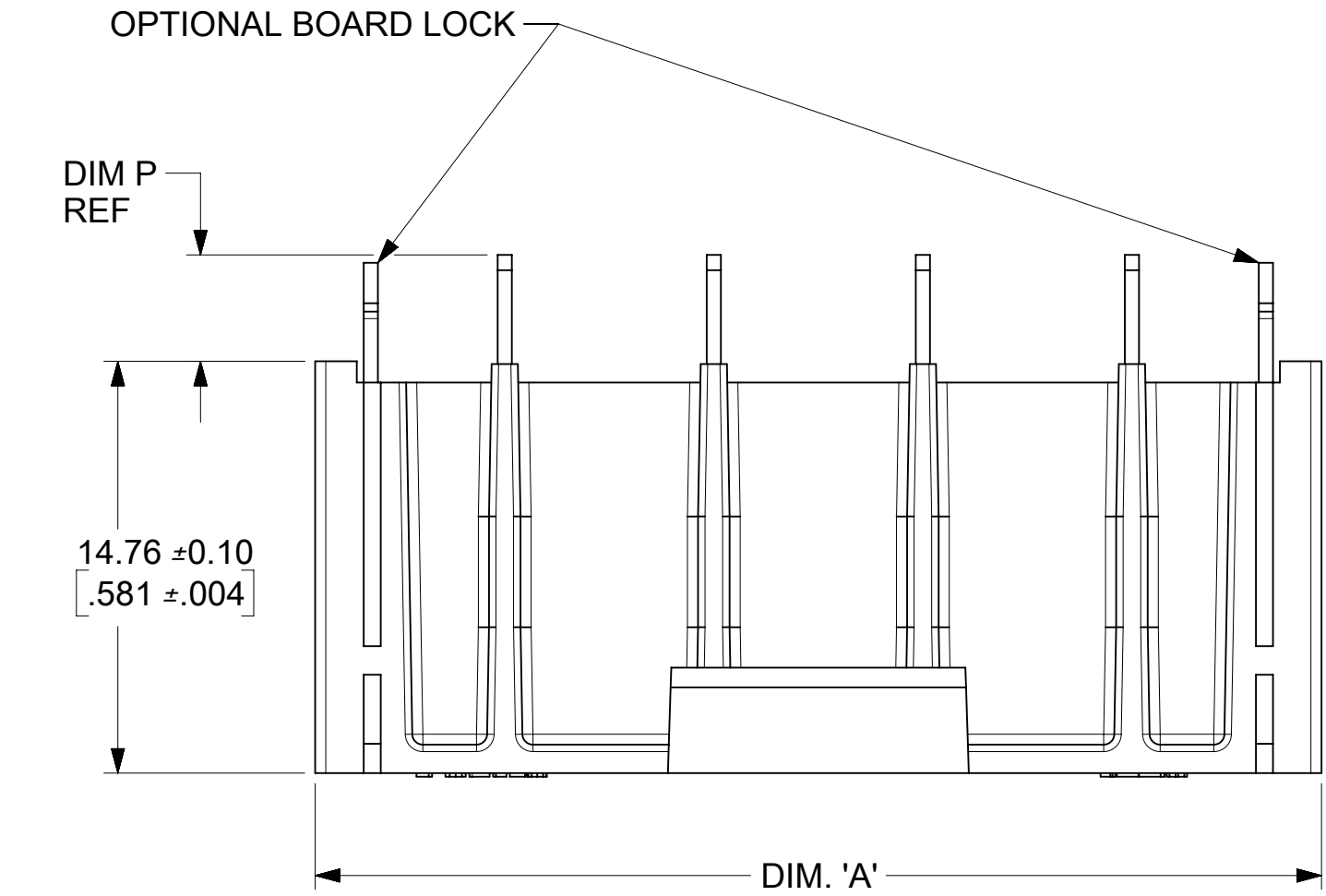


	12		11		10		9		8		7		6		5		4		3		2		1
CIRCUITS		DIM. 'A' ±	0.33 .013																				
2		21.08 .830																					
3		28.58 1.125																					
4		36.07 1.420																					
5		43.56 1.715																					
6		51.05 2.010																					
8		66.04 2.600																					



1. INSULATOR MATERIAL: 30% GLASS FILLED 4/6 NYLON UL94V-0, COLOR: BLACK
TERMINAL MATERIAL : BRASS
2. TERMINAL FINISH: OVERALL REFLOWED MATTE TIN: 0.00152/.000060 MIN OVER 0.00127/.000050 MIN NICKEL.
3. PRODUCT SPECIFICATION PS-44441-9999.
4. PACKAGING: SEE CHART
5. THIS HEADER MATES WITH 44441 OR 43335 SERIES RECEPTACLE HOUSINGS.
6. THIS PART CONFORMS TO CLASS B REQUIREMENTS OF MOLEX COSMETIC SPECIFICATION PS-45499-002
7. TEXT ON PART IS FOR REFERENCE ONLY. TEXT AND TEXT LOCATION MAY VARY DEPENDING ON PART NUMBER AND/OR TOOL.
8. PART DESIGNED IN INCHES.

SHEETS 1 AND 2: VERTICAL HEADERS
SHEETS 3 AND 4: RIGHT ANGLE HEADERS
SHEET 5: POLARIZATION

SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION													
	DIMENSION UNITS		SCALE		CURRENT REV DESC: CORRECTED DIMENSION UNITS IN TITLE BLOCK			molex SABRE HEADER ASSEMBLY 2-6 & 8 CIRCUIT .125(3.18) X .020/(0.51)						
	MM/IN		4:1											
	GENERAL TOLERANCES (UNLESS SPECIFIED)				EC NO: 637904 DRWN: BZAPPA 2020/05/19 CHK'D: MKIPPER 2020/05/21 APPR: FSMITH 2020/05/26			PRODUCT CUSTOMER DRAWING						
	MM		INCH											
	4 PLACES ±		±											
	3 PLACES ±		± 0.005											
	2 PLACES ± 0.13		± 0.01											
	1 PLACE ± 0.25		±		INITIAL REVISION: DRWN: MKIPPER 2019/09/06 APPR: FSMITH 2019/09/17			DOCUMENT NUMBER		DOC TYPE	DOC PART	REVISION		
	0 PLACES ±		±					431600001-SD		PSD	000	A1		
	ANGULAR TOL ± 0.5 °				THIRD ANGLE PROJECTION 			MATERIAL NUMBER		CUSTOMER		SHEET NUMBER		
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				DRAWING				SERIES		SEE CHARTS		GENERAL MARKET	1 OF 5	
				C-SIZE				43160						

DOCUMENT STATUS	P1	RELEASE DATE	2020/05/26	17:59:01
12		11	10	

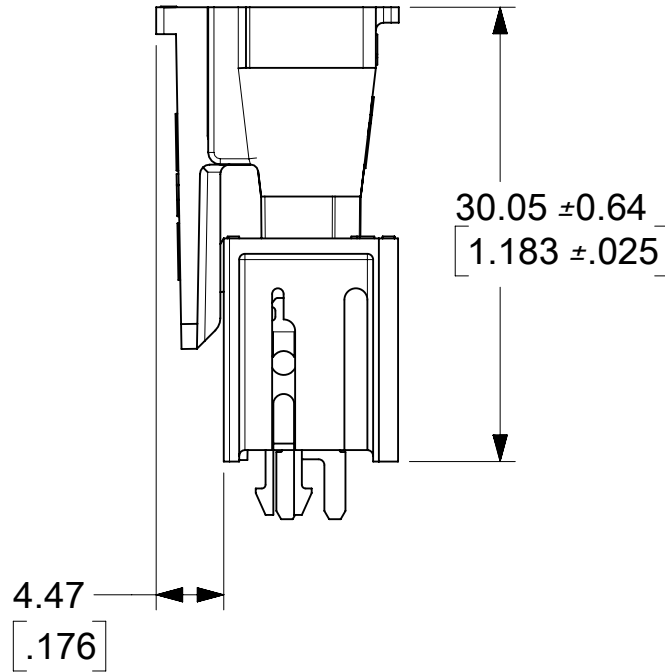
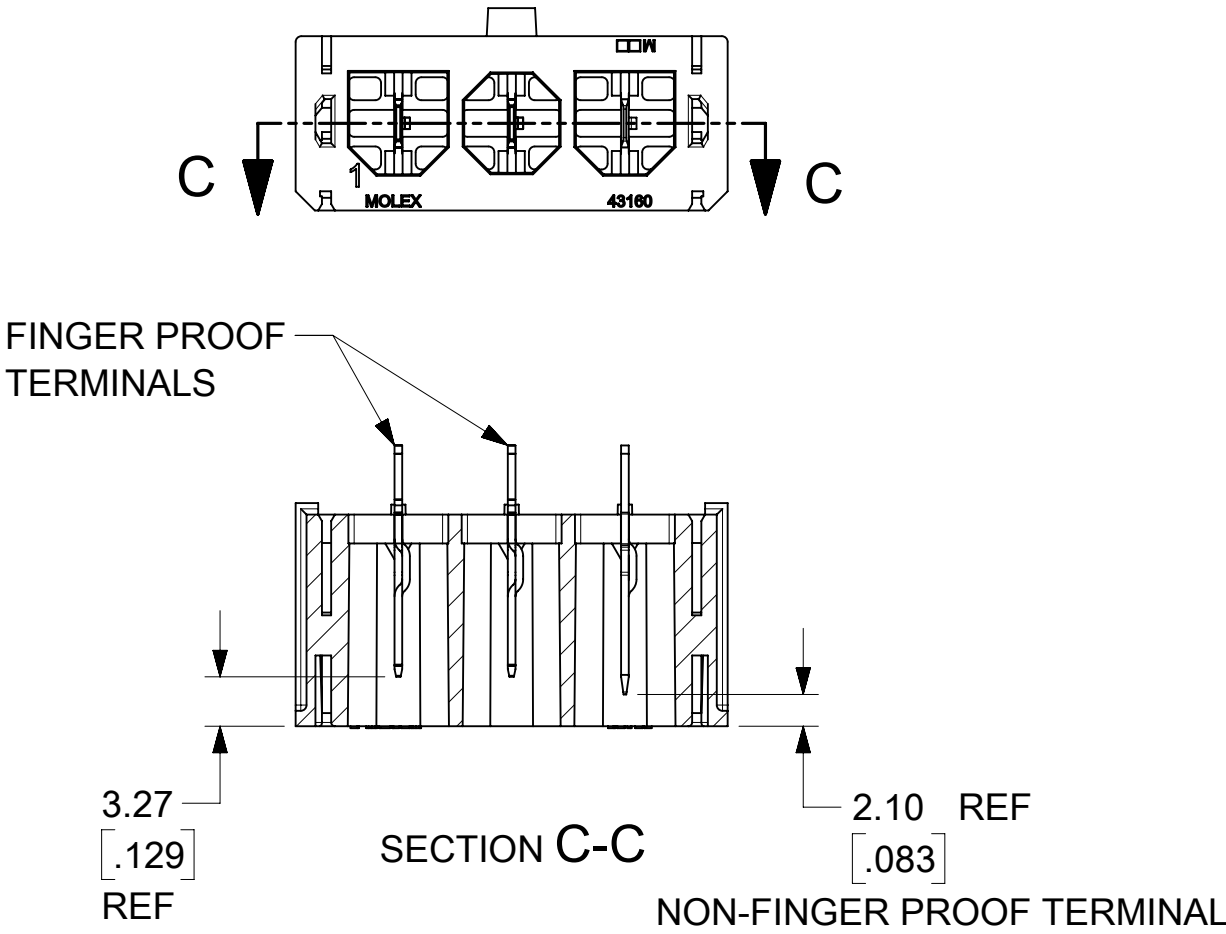
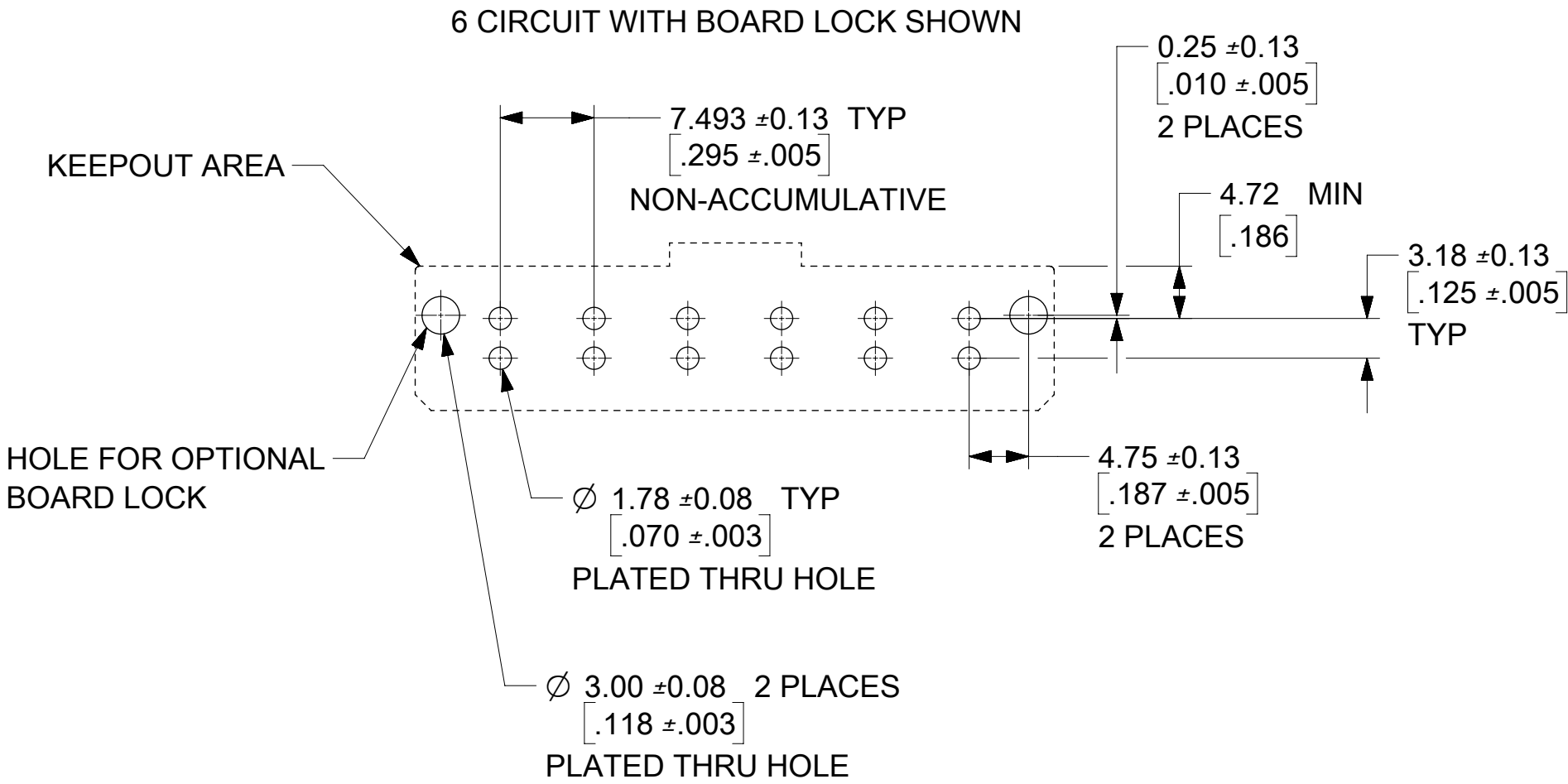
THIS DRAWING REPLACES SDA-43160-****

9	8	7	6	5	4	3	2	1
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VERTICAL HEADER ASSEMBLIES					
ASSEMBLY PART NO.	CIRCUITS	DIM. 'P' ± $\frac{0.51}{.020}$	BOARD LOCK	DIM. 'B' ± $\frac{0.10}{.004}$	PACKAGING SPEC.
43160-0102	2	3.81/(.150) (SHORT TAIL)	NO	N/A	PK-43160-0010
43160-0103	3				
43160-0104	4				
43160-0105	5				
43160-0106	6				
43160-0108	8				
43160-0302	2	5.33/(.210) (LONG TAIL)	NO	N/A	PK-43789-001
43160-0303	3				
43160-0304	4				
43160-0305	5				
43160-0306	6				
43160-0308	8				
43160-2102	2	3.81/(.150) (SHORT TAIL)	YES	1.78/(.070) FOR 1.57/(.062) PCB	PK-43789-001
43160-2103	3				
43160-2104	4				
43160-2105	5				
43160-2106	6				
43160-2108	8				
43160-4102	2	3.81/(.150) (SHORT TAIL)	YES	2.59/(.102) FOR 2.39/(.094) PCB	PK-43789-001
43160-4103	3				
43160-4104	4				
43160-4105	5				
43160-4106	6				
43160-4108	8				
43160-4302	2	5.33/(.210) (LONG TAIL)	YES	2.59/(.102) FOR 2.39/(.094) PCB	PK-43789-001
43160-4303	3				
43160-4304	4				
43160-4305	5				
43160-4306	6				
43160-4308	8				
43160-6302	2	5.33/(.210) (LONG TAIL)	YES	3.38/(.133) FOR 3.18/(.125 PCB)	PK-43789-001
43160-6303	3				
43160-6304	4				
43160-6305	5				
43160-6306	6				
43160-6308	8				
ASSEMBLY PART NO.	CIRCUITS	DIM. 'P'	BOARD LOCK	DIM. 'B'	PACKAGING SPEC.

FINGER PROOF VERTICAL HEADER ASSEMBLIES						
ASSEMBLY PART NO.	CIRCUITS	FINGER PROOF TERMINAL CIRCUIT(S)	DIM. 'P' ± $\frac{0.51}{.020}$	BOARD LOCK	DIM. 'B' ± $\frac{0.10}{.004}$	PACKAGING SPEC.
43160-9002	3	1, 2	3.81/(.150) (SHORT TAIL)	NO	N/A	PK-43160-0010

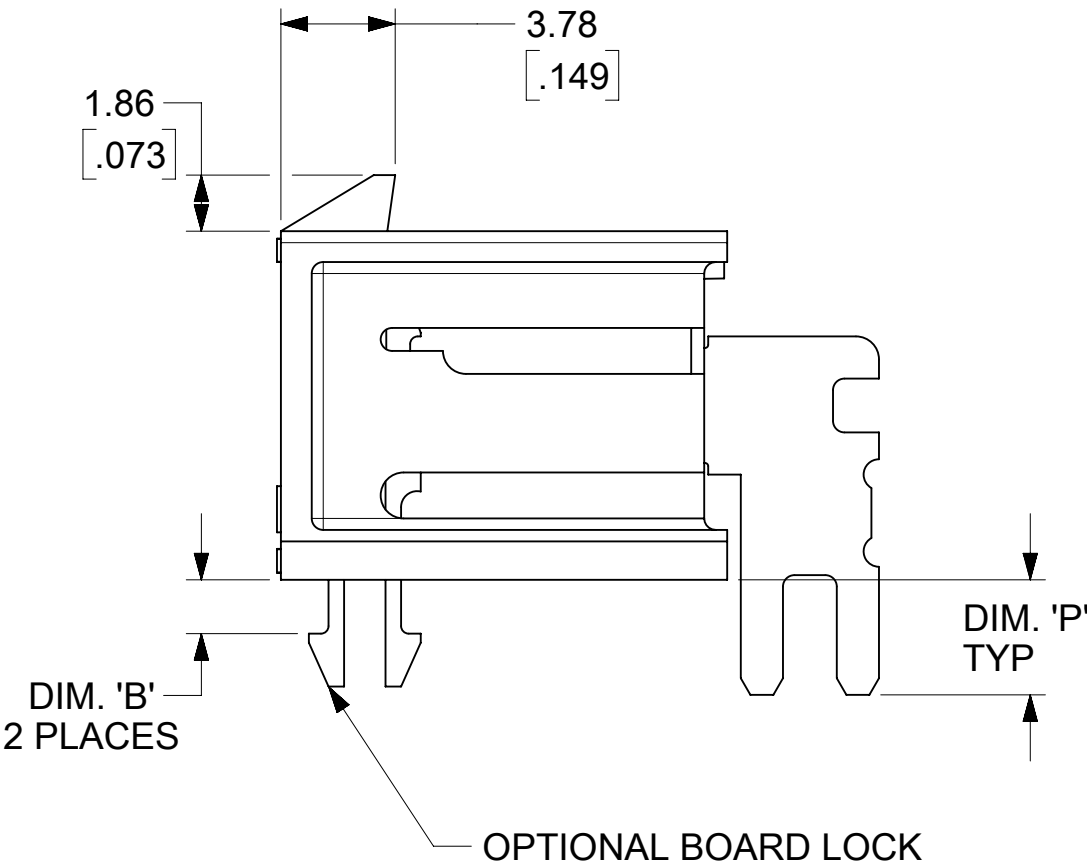
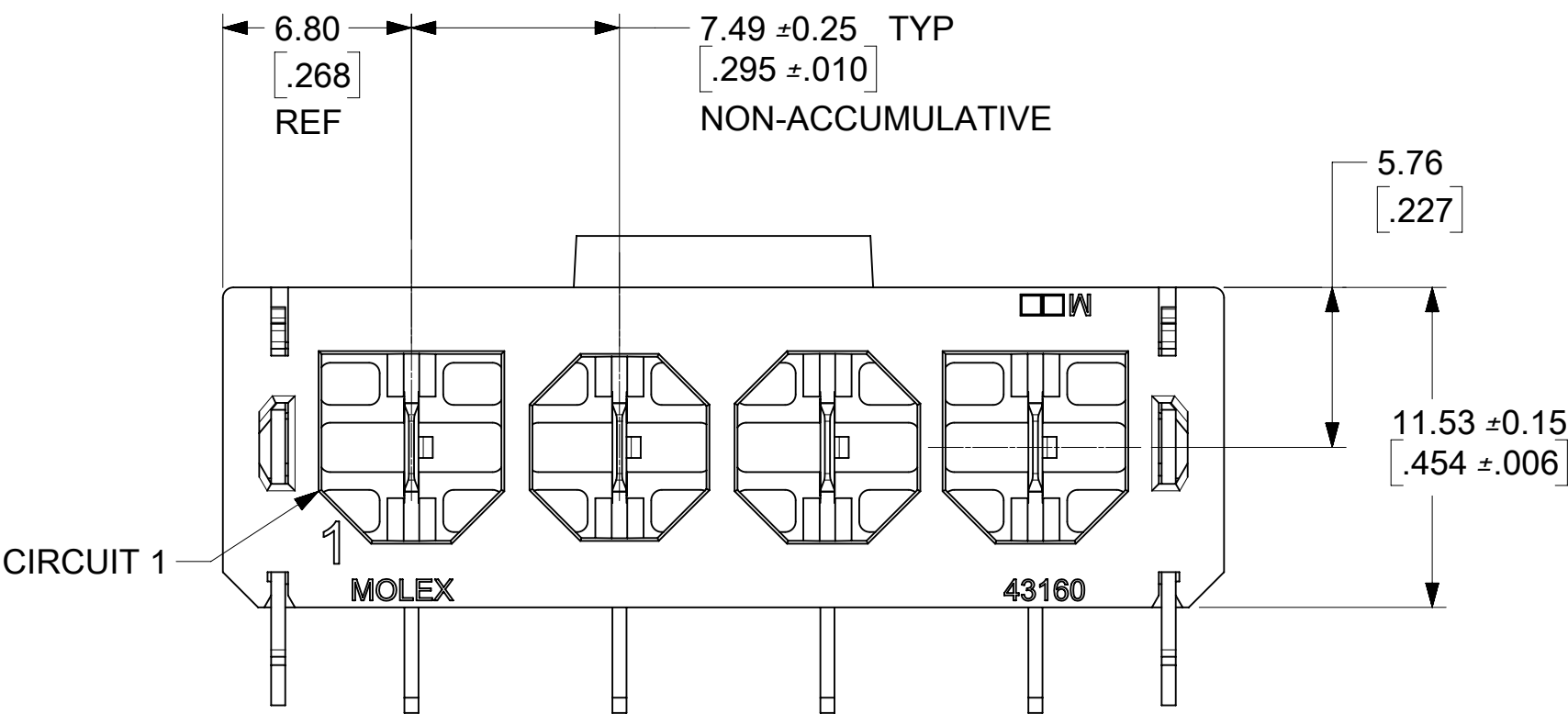
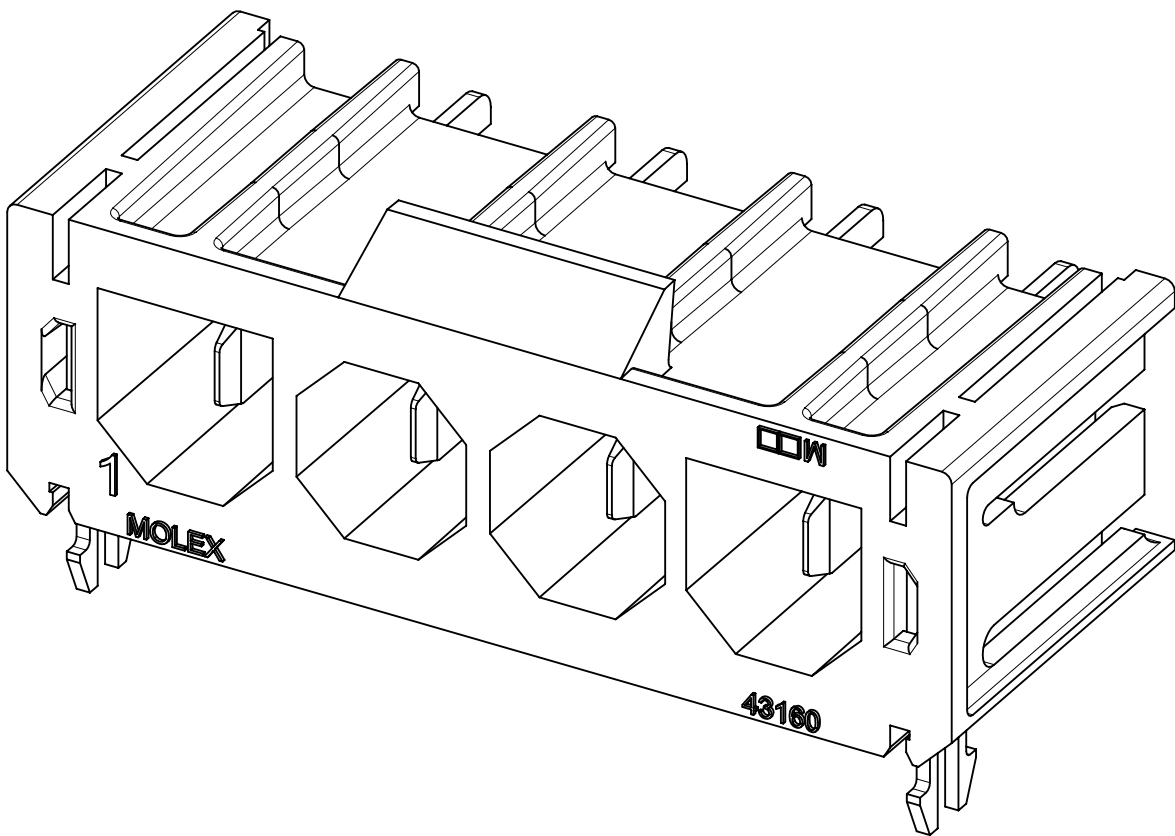
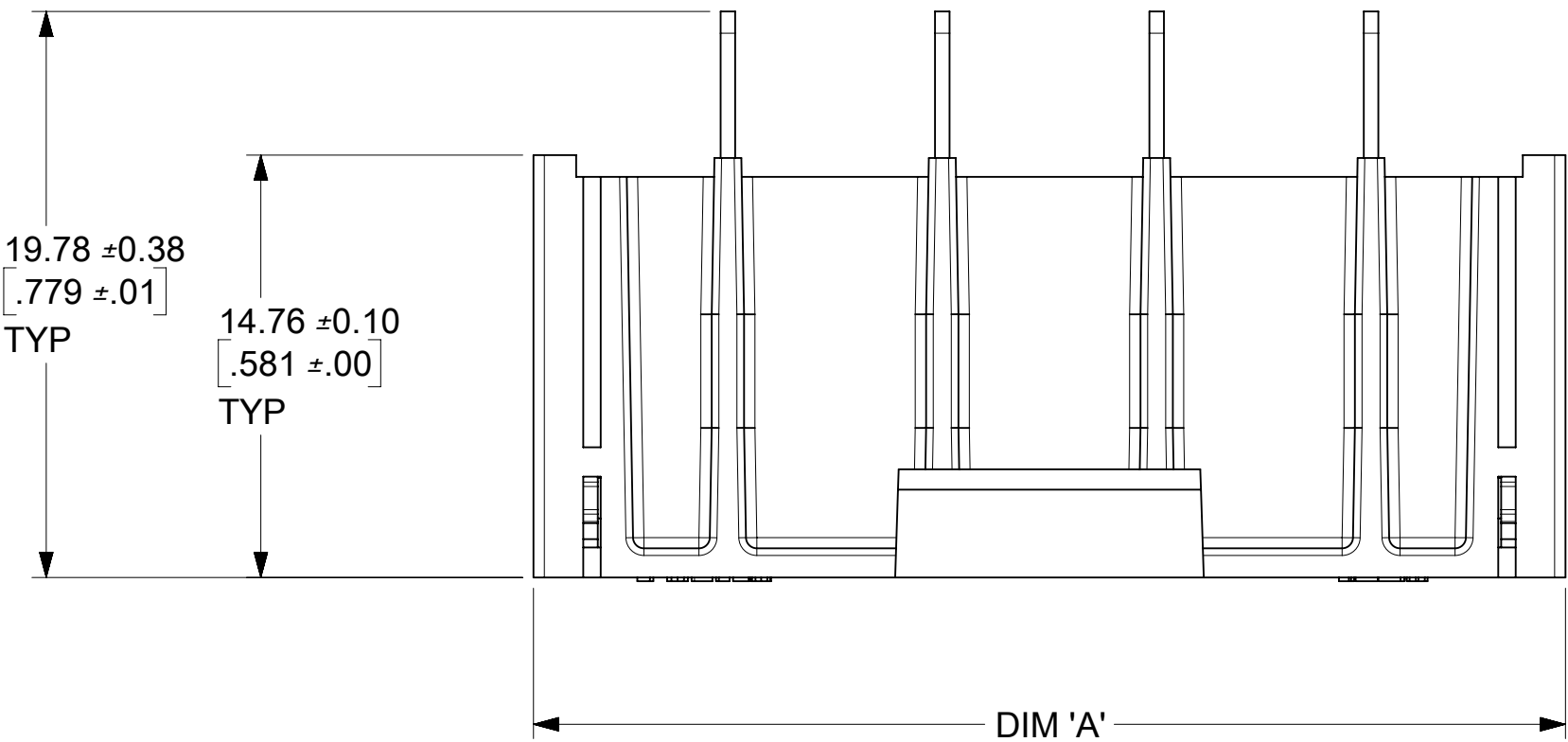
RECOMMENDED P.C. BOARD LAYOUT
FOR VERTICAL HEADERS



MATED DIMENSIONS
VERTICAL HEADERS

SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION																
	= 0	DIMENSION UNITS		SCALE		CURRENT REV DESC: CORRECTED DIMENSION UNITS IN TITLE BLOCK				molex							
		MM/IN		2:1													
	= 0	GENERAL TOLERANCES (UNLESS SPECIFIED)				SABRE HEADER ASSEMBLY 2-6 & 8 CIRCUIT .125/(3.18) X .020/(0.51)											
	= 0																
	= 0	MM		INCH		PRODUCT CUSTOMER DRAWING											
		4 PLACES ± ±		± ±													
	= 0	3 PLACES ± ±		± 0.005		DOCUMENT NUMBER 431600001-SD											
		2 PLACES ± 0.13 ± 0.01		± ±													
	= 0	1 PLACE ± 0.25 ±				DOC TYPE PSD				DOC PART 000		REVISION A1					
		0 PLACES ± ±															
	= 0	ANGULAR TOL ± 0.5 °				THIRD ANGLE PROJECTION		DRAWING C-SIZE		SERIES 43160		MATERIAL NUMBER SEE CHARTS		CUSTOMER GENERAL MARKET		SHEET NUMBER 2 OF 5	
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS															

12		11	10	9	8	7	6	5	4	3	2	1
CIRCUITS	DIM. 'A' ±	0.33 .013										
2	21.08 .830											
3	28.58 1.125											
4	36.07 1.420											
5	43.56 1.715											
6	51.05 2.010											
8	66.04 2.600											



DOCUMENT STATUS	P1	RELEASE DATE	2020/05/26	17:59:01
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SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION													
	DIMENSION UNITS		SCALE		CURRENT REV DESC: CORRECTED DIMENSION UNITS IN TITLE BLOCK				molex					
	MM/IN		4:1											
	GENERAL TOLERANCES (UNLESS SPECIFIED)				EC NO: 637904 DRWN: BZAPPA 2020/05/19 CHK'D: MKIPPER 2020/05/21 APPR: FSMITH 2020/05/26				SABRE HEADER ASSEMBLY 2-6 & 8 CIRCUIT .125/(3.18) X .020/(0.51)					
		MM	INCH											
	4 PLACES ±		±	±	INITIAL REVISION: DRWN: MKIPPER 2019/09/06 APPR: FSMITH 2019/09/17				DOCUMENT NUMBER		DOC TYPE	DOC PART	REVISION	
	3 PLACES ±		±	± 0.005					431600001-SD		PSD	000	A1	
	2 PLACES ±		± 0.13	± 0.01	PRODUCT CUSTOMER DRAWING									
	1 PLACE ±		± 0.25	±										
	0 PLACES ±		±	±	MATERIAL NUMBER		CUSTOMER		SHEET NUMBER					
	ANGULAR TOL ± 0.5 °				THIRD ANGLE PROJECTION		DRAWING	SERIES	SEE CHARTS		GENERAL MARKET		3 OF 5	
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS						C-SIZE	43160						

RIGHT ANGLE HEADER ASSEMBLIES					
ASSEMBLY PART NO.	CIRCUITS	DIM. 'P' ± 0.28 .011	BOARD LOCK	DIM. 'B' ± 0.10 .004	PACKAGING SPEC.
43160-1102	2	3.81/(.150) (SHORT TAIL)	NO	N/A	PK-43160-0010
43160-1103	3				
43160-1104	4				
43160-1105	5				
43160-1106	6				
43160-1108	8				
43160-1302	2	5.33/(.210) (LONG TAIL)	NO	N/A	PK-43789-001
43160-1303	3				
43160-1304	4				
43160-1305	5				
43160-1306	6				
43160-1308	8				
43160-3102	2	3.81/(.150) (SHORT TAIL)	YES	1.78/(.070) FOR 1.57/(.062) PCB	PK-43789-001
43160-3103	3				
43160-3104	4				
43160-3105	5				
43160-3106	6				
43160-3108	8				
43160-5102	2	3.81/(.150) (SHORT TAIL)	YES	2.59/(.102) FOR 2.39/(.094) PCB	PK-43789-001
43160-5103	3				
43160-5104	4				
43160-5105	5				
43160-5106	6				
43160-5108	8				
43160-5302	2	5.33/(.210) (LONG TAIL)	YES	2.59/(.102) FOR 2.39/(.094) PCB	PK-43789-001
43160-5303	3				
43160-5304	4				
43160-5305	5				
43160-5306	6				
43160-5308	8				
43160-7302	2	5.33/(.210) (LONG TAIL)	YES	3.38/(.133) FOR 3.18/(.125 PCB)	PK-43789-001
43160-7303	3				
43160-7304	4				
43160-7305	5				
43160-7306	6				
43160-7308	8				
ASSEMBLY PART NO.	CIRCUITS	DIM. 'P'	BOARD LOCK	DIM. 'B'	PACKAGING SPEC.

RECOMMENDED P.C. BOARD LAYOUT FOR RIGHT ANGLE HEADERS

6 CIRCUIT SHOWN

Ø 1.78 ±0.08 TYP
[.070 ±.003] PLATED THRU HOLE

7.493 ±0.13 TYP
[.295 ±.005] NON-ACCUMULATIVE

3.18 ±0.13 TYP
[.125 ±.005]

13.13 ±0.13 2 PLACES
[.517 ±.005]

Ø 3.00 2 PLACES
[.118] PLATED THRU HOLE

HOLE FOR OPTIONAL BOARD LOCK

4.75 ±0.13 2 PLACES
[.187 ±.005]

OPTIONAL VOIDED CIRCUIT

OPTIONAL VOIDED TERMINAL 43160-9001 SHOWN

30.05
[1.183]

16.00
[.630]

MATED DIMENSIONS RIGHT ANGLE HEADERS

RIGHT ANGLE HEADER ASSEMBLIES WITH VOIDED TERMINALS						
ASSEMBLY PART NO.	CIRCUITS	DIM. 'P' ± 0.28 .011	BOARD LOCK	DIM. 'B' ± 0.10 .004	PACKAGING SPEC.	VOID CIRCUIT(S)
43160-9001	4	3.81/(.150)	YES	1.78/(.070)	PK-43789-001	2
43160-9003	5	(SHORT TAIL)		FOR 1.57/(.062) PCB		2, 4

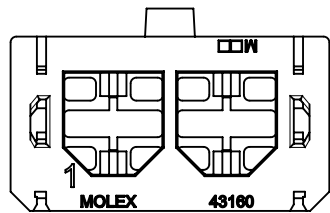
DOCUMENT STATUS	P1	RELEASE DATE	2020/05/26	17:59:01
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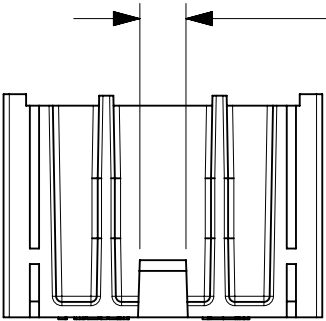
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⌒ = 0	⌒ = 0	⌒ = 0	MM/IN		2:1
GENERAL TOLERANCES (UNLESS SPECIFIED)			CURRENT REV DESC: CORRECTED DIMENSION UNITS IN TITLE BLOCK		
			EC NO: 637904		
			DRWN: BZAPPA 2020/05/19		
			CHK'D: MKIPPER 2020/05/21		
			APPR: FSMITH 2020/05/26		
			INITIAL REVISION:		
			DRWN: MKIPPER 2019/09/06		
			APPR: FSMITH 2019/09/17		
			ANGULAR TOL ± 0.5 °		
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		
			THIRD ANGLE PROJECTION		
			DRAWING C-SIZE		
			SERIES 43160		
			MATERIAL NUMBER		
			CUSTOMER		
			SHEET NUMBER		

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
431600001-SD	PSD	000	A1

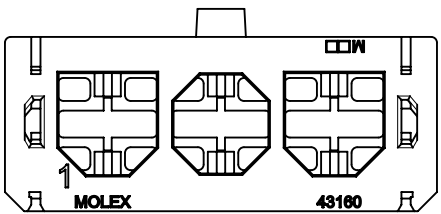
SEE CHARTS	GENERAL MARKET	4 OF 5
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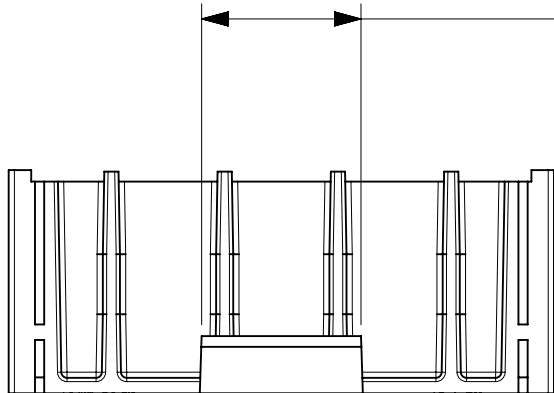
2 CIRCUITS



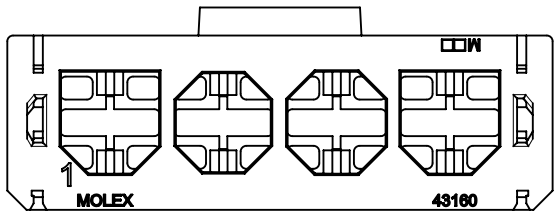
3.05
.120
2 AND 3 CIRCUIT



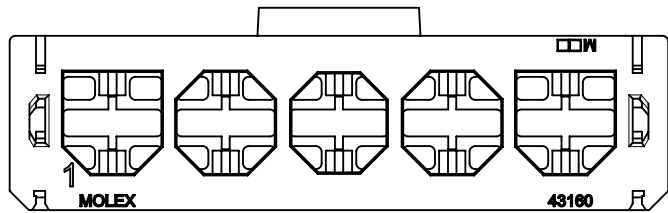
3 CIRCUITS



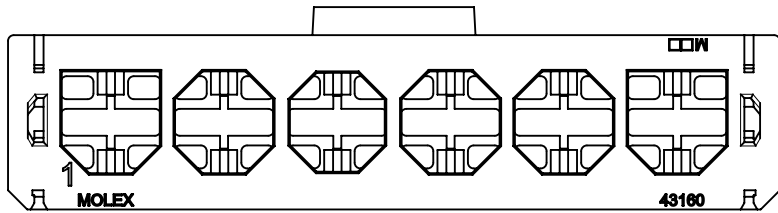
10.54
.415
4 CIRCUIT AND UP



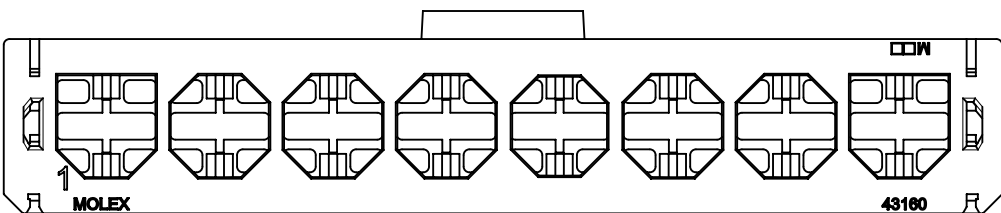
4 CIRCUITS



5 CIRCUITS



6 CIRCUITS



8 CIRCUITS

POLARIZATION

SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION																	
 = 0	DIMENSION UNITS		SCALE		CURRENT REV DESC: CORRECTED DIMENSION UNITS IN TITLE BLOCK				molex									
	MM/IN		2:1															
 = 0	GENERAL TOLERANCES (UNLESS SPECIFIED)												EC NO: 637904 DRWN: BZAPPA 2020/05/19 CHK'D: MKIPPER 2020/05/21 APPR: FSMITH 2020/05/26				SABRE HEADER ASSEMBLY 2-6 & 8 CIRCUIT .125/(3.18) X .020/(0.51)	
 = 0																		
 = 0	4 PLACES ±		MM		INCH		±		PRODUCT CUSTOMER DRAWING									
 = 0	3 PLACES ±		± 0.005															
 = 0	2 PLACES ±		0.13		± 0.01													
 = 0	1 PLACE ±		0.25		±				DOCUMENT NUMBER 431600001-SD DOC TYPE PSD DOC PART 000 REVISION A1									
 = 0	0 PLACES ±				±													
 = 0	ANGULAR TOL		± 0.5 °															
 = 0	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION		DRAWING		SERIES		MATERIAL NUMBER		CUSTOMER		SHEET NUMBER			
 = 0									C-SIZE		43160		SEE CHARTS		GENERAL MARKET		5 OF 5	

DOCUMENT STATUS	P1	RELEASE DATE	2020/05/26	17:59:01
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