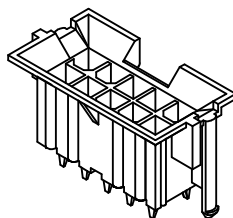


13		12		11		10	
CIRCUIT SIZE	DIM. "A"	DIM. "B"	DIM. "C"	DIM. "D"	DIM. "E"		
2	.520 (13.20)	—	.425 (10.80)	.370 (9.40)	.21 (5.4)		
4	.685 (17.40)	.17 (4.2)	.590 (15.00)	.535 (13.60)	.38 (9.6)		
6	.850 (21.60)	.33 (8.4)	.756 (19.20)	.701 (17.80)	.54 (13.8)		
8	1.016 (25.80)	.50 (12.6)	.921 (23.40)	.866 (22.00)	.71 (18.0)		
10	1.181 (30.00)	.66 (16.8)	1.087 (27.60)	1.031 (26.20)	.87 (22.2)		
12	1.346 (34.20)	.83 (21.0)	1.252 (31.80)	1.197 (30.40)	1.04 (26.4)		
14	1.512 (38.40)	.99 (25.2)	1.417 (36.00)	1.362 (34.60)	1.20 (30.6)		
16	1.677 (42.60)	1.16 (29.4)	1.583 (40.20)	1.528 (38.80)	1.37 (34.8)		
18	1.843 (46.80)	1.32 (33.6)	1.748 (44.40)	1.693 (43.00)	1.54 (39.0)		
20	2.008 (51.00)	1.49 (37.8)	1.913 (48.60)	1.858 (47.20)	1.70 (43.2)		
22	2.173 (55.20)	1.65 (42.0)	2.079 (52.80)	2.024 (51.40)	1.87 (47.4)		
24	2.339 (59.40)	1.82 (46.2)	2.244 (57.00)	2.189 (55.60)	2.03 (51.6)		



NOTES:

1) MATERIAL:

HOUSING MATERIAL:

A=NYLON 6/6, UNFILLED UL94 V-2, COLOR: NATURAL

B=NYLON 6/6, UNFILLED UL94 V-0, COLOR: NATURAL

TERMINALS: BRASS

2) TERMINAL PLATING:

A=.000100/(0.00254) MIN. MATTE TIN OVER .000050/(0.00127) MIN. NICKEL

D=.000100/(0.00254) MIN. BRIGHT TIN OVER .000050/(0.00127) MIN. NICKEL

E=.000030/(0.00076) MIN. SELECT GOLD AND .000100/(0.00254) MIN. SELECT MATTE TIN OVER .000050/(0.00127) MIN. NICKEL OVERALL

3) PRODUCT SPECIFICATION: PS-5556-002

4) PACKAGING: TRAY PACK PER PK-42440-001

5) PART MATES WITH MINI-FIT RECEPTACLES 5557, 42474,44516 AND BMI HEADER 42385.

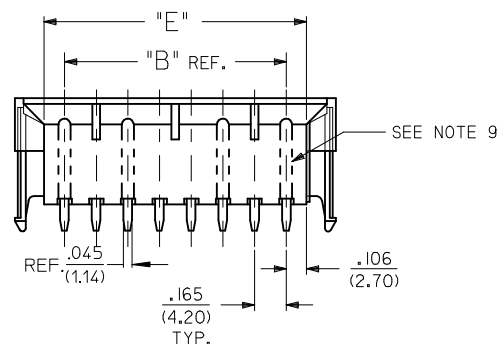
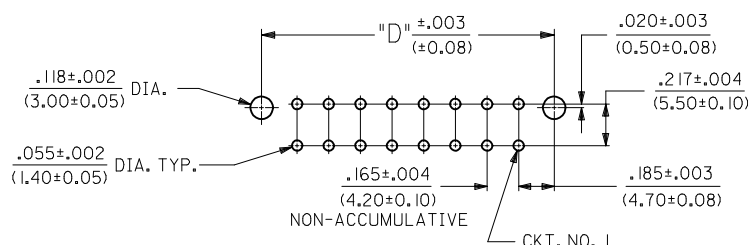
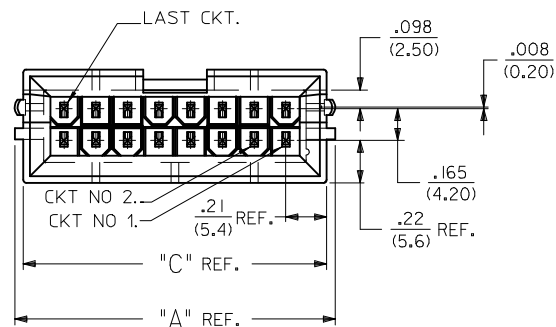
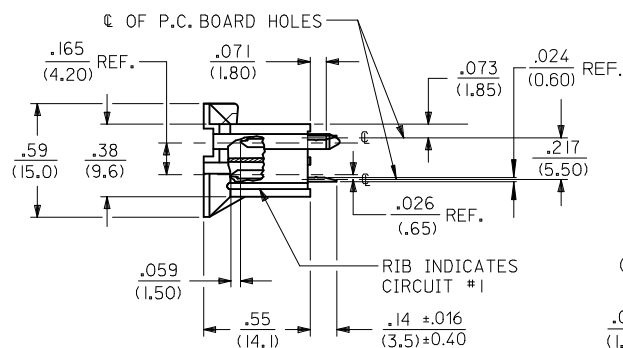
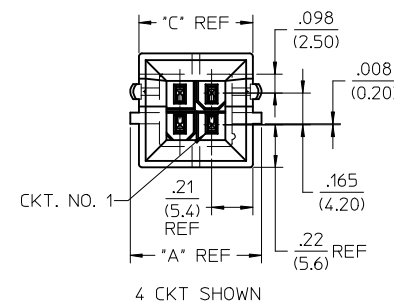
6) PART ALLOWS FOR UP TO .100/(2.54) MISALIGNMENT WITH MATING RECEPTACLE IN ANY DIRECTION. SEE MATING CONNECTOR DRAWINGS FOR SPECIFIC ALLOWANCES.

7) THIS PART IS NOT DESIGNED FOR CURRENT SHARING.

8) CONNECTOR ASSEMBLIES ARE NOT TO BE MATED OR UNMATED WHILE CIRCUITS ARE LIVE.

9) RIB LOCATION IS DETERMINED BY MOLD DESIGN FOR MANUFACTURING EASE AND THE LOCATION DOES NOT AFFECT PART FUNCTION OR PERFORMANCE. LOCATION OF RIBS MAY VARY ON PARTS WITHIN MANUFACTURING LOT OR SHIPMENT. THIS DRAWING SHOWS TYPICAL RIB LOCATIONS.

10) PART CONFORMS TO CLASS "B" REQUIREMENTS OF COSMETIC SPECIFICATION' PS-45499-002.



RECOMMENDED HOLE LAYOUT FOR .070/(1.78) MAX. THICK P.C. BOARD

ADD 43459-0055 EC NO: UCP2015-1722 DRWN: DFO CHKD: JBELL APPR: FSMITH 2014/10/23 2014/10/23 2014/10/27	DESCRIPTION REV	QUALITY SYMBOLS <div>▽=0</div> <div>▽=0</div> <div>▽=0</div>	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE IN/MM		SCALE 2:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION				
			mm INCH		DRAWN BY	DATE	TITLE						
			4 PLACES	± ---	± ---	AFG	1994/12/07	2-24 CKT. VERT. HEADER					
			3 PLACES	± ---	± .010	CHECKED BY	DATE	MINI-FIT B.M.I.					
			2 PLACES	± 0.25	± .014	RJF	1994/12/07	MAKE FIRST/BREAK LAST					
			1 PLACE	± 0.36	± ---	APPROVED BY	DATE	molex					
			0 PLACE	± ---	± ---	FSMITH	2012/05/22						
			ANGULAR ±1/2°		MATERIAL NO.		DOCUMENT NO.						SHEET NO.
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE CHART		SDA-43459-****						1 OF 3
			SIZE	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION									

		13		12		11		10		9		8		7		6		5		4		3		2		1									
		ITEM NO.		CHARACTERISTIC DESCRIPTION		TERMINAL VERSION REQUIRED AT EACH CIRCUIT LOCATION: (SEE CODES AT RIGHT)																								TERM. CODES FOR CHART AT LEFT					
						1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	TERMINAL NO.		PLATING / MATERIAL			
J		43459-0001		04AAA		1	1	8	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1=MAKE-FIRST		A BRASS				
		43459-0002		04BAA		1	1	8	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	----		----					
		43459-0003		04AAA		1	1	8	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3=MAKE-FIRST		E BRASS					
I		43459-0004		04BAA		1	1	8	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	----		----					
		43459-0005		10AAD		5	5	5	5	5		5	5	5	5	-	-	-	-	-	-	-	-	-	-	-	-	5=MAKE-FIRST		D BRASS					
		43459-0006		10BAD		5	5	5	5	5	5	5	5	5	5	-	-	-	-	-	-	-	-	-	-	-	-	----		----					
H		43459-0007		10AAE		3	3	3	3	3	3	3	3	3	3	-	-	-	-	-	-	-	-	-	-	-	-	----		----					
		43459-0008		10BAE		3	3	3	3	3	3	3	3	3	3	-	-	-	-	-	-	-	-	-	-	-	-	8=STANDARD		A BRASS					
		43459-0009		18AAD		9	9	9	9	5	5	9	9	9	9	9	9	9	5	5	9	9	9	-	-	-	-	-	9=STANDARD		D BRASS				
G		43459-0011		24AAD		5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	10=STANDARD		E BRASS				
		43459-0012		24BAD		5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5							
		43459-0013		24BAD		9	9	9	9	9	9	9	9	9	9	9	9	9	9	5	9	9	9	9	9	9	9	9	9						
F		43459-0014		18BAD		5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	-	-	-	-	-	-							
		43459-0015		18BAE		3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	-	-	-	-	-	-							
		43459-0016		14BAD		5	5	5	5	5	5	5	5	5	5	5	5	5	5	-	-	-	-	-	-	-	-	-							
E		43459-0017		18BAD		9	9	9	9	5	5	9	9	9	9	9	9	9	5	5	9	9	9	-	-	-	-	-							
		43459-0018		10AAA		8	8	8	8	8	8	8	1	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-							
		43459-0019		10BAE		3	3	3	10	10	3	3	3	3	3	3	-	-	-	-	-	-	-	-	-	-	-	-							
D		43459-0020		18AAE		10	-	10	10	10	10	10	10	10	3	3	10	10	10	10	10	10	-	-	-	-	-	-							
		43459-0021		10AAD		5	9	9	9	9	9	9	9	9	9	-	-	-	-	-	-	-	-	-	-	-	-	-							
		43459-0022		10AAD		5	9	9	9	9	9	5	9	9	9	9	-	-	-	-	-	-	-	-	-	-	-	-							
C		43459-0023		14AAD		5	9	9	9	9	9	9	9	9	9	9	9	9	9	-	-	-	-	-	-	-	-	-							
		43459-0024		14AAD		5	9	9	9	9	9	9	9	5	9	9	9	9	9	9	-	-	-	-	-	-	-	-							
		43459-0025		18BAE		10	10	10	10	10	10	10	-	10	10	10	10	10	10	10	3	-	10	-	-	-	-	-	-						
B		43459-0026		10BAE		10	-	10	-	10	10	-	10	-	10	-	-	-	-	-	-	-	-	-	-	-	-	-							
		43459-0027		24BAE		10	10	10	10	10	10	10	10	10	10	-	10	10	10	10	10	10	10	10	10	10	10	-	10						
		43459-0028		24AAE		3	10	10	10	10	10	10	10	10	10	10	10	3	3	10	10	10	10	10	10	10	10	10	10	3					
A		43459-0029		14BAE		10	10	10	10	10	10	10	10	10	3	10	10	10	10	-	-	-	-	-	-	-	-	-							
		43459-0030		04BAE		3	3	3	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-							
		43459-0031		18BAE		3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	-	-	-	-	-	-							
		43459-0032		10BAE		3	10	10	10	10	3	10	10	10	10	-	-	-	-	-	-	-	-	-	-	-	-	-							
		43459-0033		14BAE		3	10	10	10	10	10	3	10	10	10	10	10	10	10	-	-	-	-	-	-	-	-	-							
		43459-0034		14BAE		10	10	10	10	10	10	10	10	10	10	3	10	10	10	-	-	-	-	-	-	-	-	-							
		<div>SEE SHEET 1 EC NO: UCP2015-1722 DRWN: JDFX CHKD: JELL APPR: FSMITH</div> <div>2014/10/23 2014/10/23 2014/10/27</div> <div>REV DESCRIPTION</div> <div>QUALITY SYMBOLS</div> <div>GENERAL TOLERANCES (UNLESS SPECIFIED)</div> <div>DIMENSION STYLE</div> <div>SCALE</div> <div>DESIGN UNITS</div> <div>THIRD ANGLE PROJECTION</div> <div>DRAWN BY DATE</div> <div>CHECKED BY DATE</div> <div>APPROVED BY DATE</div> <div>MATERIAL NO.</div> <div>DOCUMENT NO.</div> <div>SHEET NO.</div> <div>THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION</div>																																	
		<div>2-24 CKT. VERT. HEADER MINI-FIT B.M.I. MAKE FIRST/BREAK LAST</div> <div>molex</div> <div>SDA-43459-****</div> <div>2 OF 3</div>																																	
		<div>12</div> <div>11</div> <div>10</div> <div>9</div> <div>8</div> <div>7</div> <div>6</div> <div>5</div> <div>4</div> <div>3</div> <div>2</div> <div>1</div>																																	

13		12		11		10		9		8		7		6		5		4		3		2		1							
ITEM NO.		CHARACTERISTIC DESCRIPTION		TERMINAL VERSION REQUIRED AT EACH CIRCUIT LOCATION: (SEE CODES AT RIGHT)																								TERM. CODES FOR CHART AT LEFT			
				1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	TERMINAL NO.		PLATING / MATERIAL	
J	43459-0035	10BAD		5	9	9	9	9	5	9	9	9	9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	I=MAKE-FIRST	A	BRASS	
	43459-0036	10BAE		10	3	10	10	10	10	3	10	10	10	-	-	-	-	-	-	-	-	-	-	-	-	-	----	---	----		
	43459-0037	10BAE		3	10	10	10	10	10	10	10	10	10	-	-	-	-	-	-	-	-	-	-	-	-	-	3=MAKE-FIRST	E	BRASS		
I	43459-0038	24AAD		9	9	9	9	9	9	9	9	9	9	5	9	9	9	9	9	9	9	9	9	9	9	9	9	----	---	----	
	43459-0039	14BAE		3	10	10	10	10	10	10	3	10	10	10	10	10	10	-	-	-	-	-	-	-	-	-	5=MAKE-FIRST	D	BRASS		
	43459-0040	10AAD		9	9	9	9	9	5	5	5	5	5	-	-	-	-	-	-	-	-	-	-	-	-	-	----	---	----		
H	43459-0041	6AAA	O	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	----	---	----		
	43459-0042	18BAE		3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	10	10	-	-	-	-	-	8=STANDARD	A	BRASS		
	43459-0043	24AAA		8	8	8	8	8	8	8	-	1	1	-	8	8	8	8	8	8	8	8	-	1	1	-	8	9=STANDARD	D	BRASS	
G	43459-0044	10BAE		10	10	10	3	10	10	10	10	10	10	-	-	-	-	-	-	-	-	-	-	-	-	-	10=STANDARD	E	BRASS		
	43459-0045	10BAE		10	3	3	10	10	3	10	10	10	10	-	-	-	-	-	-	-	-	-	-	-	-	-					
	43459-0046	10BAE		10	10	10	10	10	10	3	3	3	3	-	-	-	-	-	-	-	-	-	-	-	-	-					
F	43459-0047	24BAE		3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3					
	43459-0048	04BAD		9	5	5	9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
	43459-0049	04BAE		10	3	3	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
E	43459-0050	18BAE		3	3	3	3	3	3	3	3	3	10	3	3	3	3	3	3	3	3	-	-	-	-	-					
	43459-0052	24BAD		9	-	9	-	9	-	9	-	9	-	9	-	9	-	9	-	9	-	9	-	9	-	9					
	43459-0053	24BAE		10	10	10	10	3	3	3	10	10	10	10	10	10	10	10	3	3	3	10	10	10	10	10					
D	43459-0054	24BAA		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1					
	43459-0055	14BAA		8	8	8	1	1	8	8	8	8	8	1	8	8	8	-	-	-	-	-	-	-	-	-					
"O" = OBSOLETE																															
CIRCUIT SIZE: _____																															
HOUSING MATERIAL AND OPTIONS: _____																															
A=NYLON 6/6, U.L. 94V-2, COLOR: NATURAL. *B*=NYLON 6/6, U.L. 94V-0, COLOR: NATURAL.																															
TERMINAL MATERIAL: _____																															
A=BRASS																															
TERMINAL PLATING (SEE NOTE 2): _____																															
A=.000100/(0.00254) MIN. MATTE TIN OVER .000050/(0.00127) MIN. NICKEL' *D*=.000100/(0.00254) MIN. BRIGHT TIN OVER .000050/(0.00127) MIN. NICKEL *E*=.000030/(0.00076) MIN. SELECT GOLD AND .000100/(0.00254) MIN. SELECT' MATTE TIN OVER .000050/(0.00127) MIN. NICKEL OVERALL																															
SEE SHEET 1 EC NO: UCP2015-1722 2014/10/23 DRWN:JFOX 2014/10/23 CHKD:JBELL 2014/10/27 APPR:FSMITH																															
QUALITY SYMBOLS ▽⇒0 ▽⇒0 ▽⇒0																															
GENERAL TOLERANCES (UNLESS SPECIFIED) mm INCH 4 PLACES ± --- ± --- 3 PLACES ± --- ± .010 2 PLACES ± 0.25 ± .014 1 PLACE ± 0.36 ± --- 0 PLACE ± --- ± --- ANGULAR ±1/2°																															
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS																															
DIMENSION STYLE IN/MM DRAWN BY DATE AFG 1994/12/07 CHECKED BY DATE RJF 1994/12/07 APPROVED BY DATE FSMITH 2012/05/22																															
SCALE 1:1 DESIGN UNITS METRIC THIRD ANGLE PROJECTION																															
TITLE 2-24 CKT. VERT. HEADER MINI-FIT B.M.I. MAKE FIRST/BREAK LAST																															
molex																															
MATERIAL NO. SEE CHART DOCUMENT NO. SDA-43459-**** SHEET NO. 3 OF 3																															
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION																															
1b_frame_C_P_AM_T Rev. G 2012/01/11		12		11		10		9		8		7		6		5		4		3		2		1							

Mouser Electronics

Authorized Distributor

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43459-0016