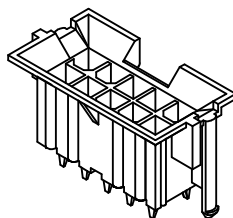


13		12		11		10	
CIRCUIT SIZE	DIM. "A"	DIM. "B"	DIM. "C"	DIM. "D"	DIM. "E"		
2	.520 (13.20)	—	.425 (10.80)	.370 (9.40)	.21 (5.4)		
4	.685 (17.40)	.17 (4.2)	.590 (15.00)	.535 (13.60)	.38 (9.6)		
6	.850 (21.60)	.33 (8.4)	.756 (19.20)	.701 (17.80)	.54 (13.8)		
8	1.016 (25.80)	.50 (12.6)	.921 (23.40)	.866 (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.

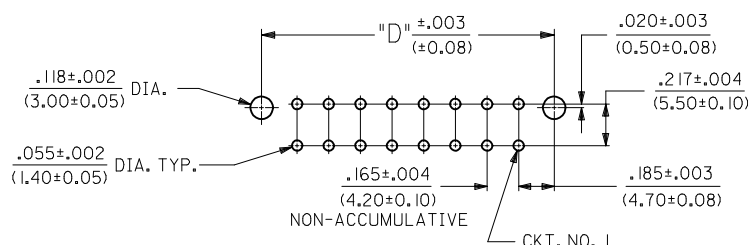
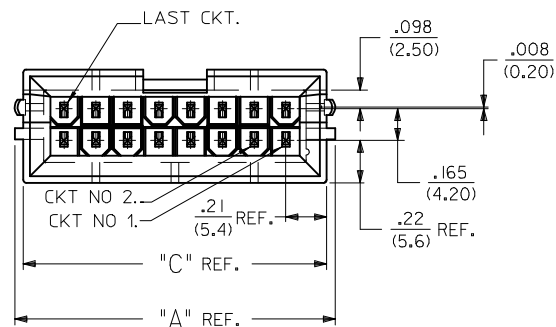
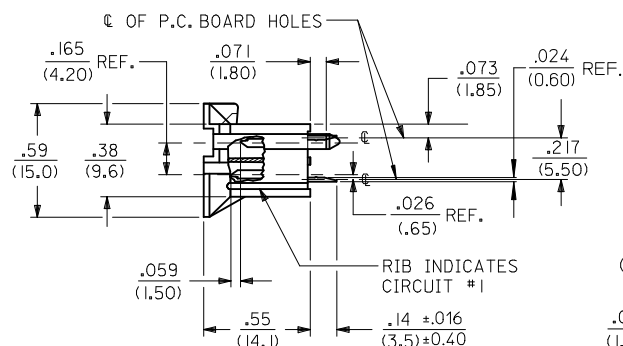
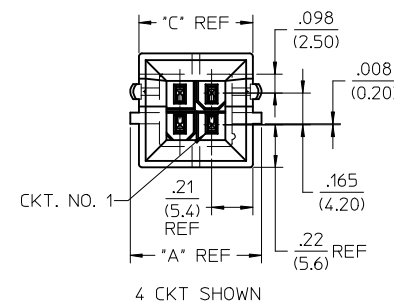
## 6) PART ALLOWS FOR UP TO .100/(2.54) MISALIGNMENT WITH MATING RECEPTACLE IN ANY DIRECTION. SEE MATING CONNECTOR DRAWINGS FOR SPECIFIC ALLOWANCES.

## 7) THIS PART IS NOT DESIGNED FOR CURRENT SHARING.

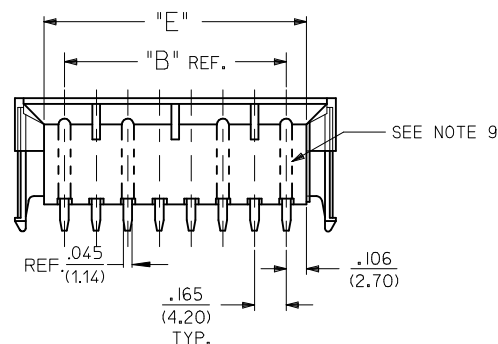
## 8) CONNECTOR ASSEMBLIES ARE NOT TO BE MATED OR UNMATED WHILE CIRCUITS ARE LIVE.

## 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: DFOX CHKD: JBELL APPR: FSMITH REV F13	DESCRIPTION 2014/10/23 2014/10/23 2014/10/27	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 AFG	DATE 1994/12/07	TITLE 2-24 CKT. VERT. HEADER MINI-FIT B.M.I. MAKE FIRST/BREAK LAST <b>molex</b>						
			4 PLACES	± ---	± ---	CHECKED BY RJF	DATE 1994/12/07							
			3 PLACES	± ---	± .010	APPROVED BY FSMITH	DATE 2012/05/22							
			2 PLACES	± 0.25	± .014	MATERIAL NO. SEE CHART								
			1 PLACE	± 0.36	± ---			DOCUMENT NO. SDA-43459-****						
			0 PLACE	± ---	± ---									
						ANGULAR ±1/2°				SHEET NO. 1 OF 3				
						DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS								
						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				
J	ITEM NO.	CHARACTERISTIC DESCRIPTION	TERMINAL VERSION REQUIRED AT EACH CIRCUIT LOCATION: (SEE CODES AT RIGHT)																								TERM. CODES FOR CHART AT LEFT						J		
			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						
	43459-0001	04AAA	I	I	8	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	I=MAKE-FIRST	A	BRASS						
	43459-0002	04BAA	I	I	8	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	----	---	----						
	43459-0003	04AAA	I	I	8	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3=MAKE-FIRST	E	BRASS						
	43459-0004	04BAA	I	I	8	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	----	---	----						
I	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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	----	---	----						
	43459-0007	10AAE	3	3	3	3	3	3	3	3	3	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	----	---	----						
H	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						
	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	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	5									
G	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									
	43459-0014	18BAD	5	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	3	-	-	-	-	-	-									
	43459-0016	14BAD	5	5	5	5	5	5	5	5	5	5	5	5	5	5	-	-	-	-	-	-	-	-	-	-									
F	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	I	I	I	-	-	-	-	-	-	-	-	-	-	-	-	-	-									
	43459-0019	10BAE	3	3	3	10	10	3	3	3	3	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-									
	43459-0020	18AAE	10	-	10	10	10	10	10	10	10	10	3	3	10	10	10	10	10	10	-	-	-	-	-	-									
E	43459-0021	10AAD	5	9	9	9	9	9	9	9	9	9	-	-	-	-	-	-	-	-	-	-	-	-	-	-									
	43459-0022	10AAD	5	9	9	9	9	5	9	9	9	9	-	-	-	-	-	-	-	-	-	-	-	-	-										
	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	-	-	-	-	-	-	-	-	-									
D	43459-0025	18BAE	10	10	10	10	10	10	10	-	10	10	10	10	10	10	10	3	-	10	-	-	-	-	-	-									
	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	-	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								
C	43459-0029	14BAE	10	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	3	-	-	-	-	-	-									
	43459-0032	10BAE	3	10	10	10	10	3	10	10	10	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-									
A	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	-	-	-	-	-	-	-	-	-	-									
B	<div><div><div>SEE SHEET 1</div><div>EC NO: UCP2015-1722</div><div>DRWN:JDOX</div><div>CHKD:JBELL</div><div>APPR:FSM1TH</div><div>REV</div><div>F13</div></div><div><div>2014/10/23</div><div>2014/10/23</div><div>2014/10/27</div><div>DESCRIPTION</div></div><div><div>QUALITY SYMBOLS</div><div>▽=0</div><div>▽=0</div><div>▽=0</div></div><div><div>GENERAL TOLERANCES (UNLESS SPECIFIED)</div><div><div>mm</div><div>INCH</div></div><div>4 PLACES ± --- ± ---</div><div>3 PLACES ± --- ± .010</div><div>2 PLACES ± 0.25 ± .014</div><div>1 PLACE ± 0.36 ± ---</div><div>0 PLACE ± --- ± ---</div><div>ANGULAR ±1/2°</div><div>DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS</div></div><div><div>DIMENSION STYLE</div><div>IN/MM</div><div><div>DRAWN BY</div><div>DATE</div></div><div>AFG 1994/12/07</div><div><div>CHECKED BY</div><div>DATE</div></div><div>RJF 1994/12/07</div><div><div>APPROVED BY</div><div>DATE</div></div><div>FSM1TH 2012/05/22</div></div><div><div>MATERIAL NO.</div><div>DOCUMENT NO.</div></div><div>SEE CHART SDA-43459-****</div><div><div>SHEET NO.</div><div>2 OF 3</div></div><div><div>THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION</div></div></div> <div><div>THIRD ANGLE PROJECTION</div><div>2-24 CKT. VERT. HEADER</div><div>MINI-FIT B.M.I.</div><div>MAKE FIRST/BREAK LAST</div><div>molex</div></div>																												B						
																													A						

1b_frame_C_P_AM_T Rev. G 2012/01/11	12	11	10	9	8	7	6	5	4	3	2	1
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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	I0BAD		5	9	9	9	9	5	9	9	9	9	-	-	-	-	-	-	-	-	-	-	-	-	I=MAKE-FIRST	A	BRASS	J				
	43459-0036	I0BAE		10	3	10	10	10	10	3	10	10	10	-	-	-	-	-	-	-	-	-	-	-	-	----	---	----					
	43459-0037	I0BAE		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	----	---	----				
	43459-0039	I4BAE		3	10	10	10	10	10	10	3	10	10	10	10	10	10	-	-	-	-	-	-	-	-	5=MAKE-FIRST	D	BRASS	I				
	43459-0040	I0AAD		9	9	9	9	9	5	5	5	5	5	-	-	-	-	-	-	-	-	-	-	-	-	----	---	----					
H	43459-0041	6AAA	O	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	----	---	----					
	43459-0042	I8BAE		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	-	I	I	-	8	8	8	8	8	8	8	-	I	I	-	8	9=STANDARD	D	BRASS	H			
G	43459-0044	I0BAE		10	10	10	3	10	10	10	10	10	10	-	-	-	-	-	-	-	-	-	-	-	-	10=STANDARD	E	BRASS					
	43459-0045	I0BAE		10	3	3	10	10	3	10	10	10	10	-	-	-	-	-	-	-	-	-	-	-	-								
	43459-0046	I0BAE		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				G			
	43459-0048	04BAD		9	5	5	9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-								
	43459-0049	04BAE		10	3	3	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-								
E	43459-0050	I8BAE		3	3	3	3	3	3	3	3	3	3	10	3	3	3	3	3	3	3	-	-	-	-	-							
	43459-0052	24BAD		9	-	9	-	9	-	9	-	9	-	9	-	9	-	9	-	9	-	9	-	9	-	9				F			
	43459-0053	24BAE		10	10	10	10	3	3	3	10	10	10	10	10	10	10	3	3	3	10	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								
	43459-0055	14BAA		8	8	8	1	1	8	8	8	8	8	1	8	8	8	-	-	-	-	-	-	-	-								
"O" = OBSOLETE																												CIRCUIT SIZE: _____			**		
																												(02-24)			***		
																												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					

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