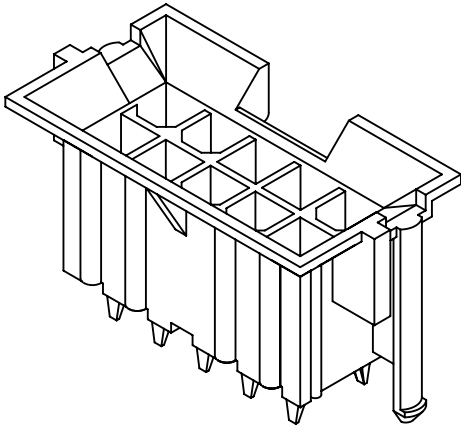
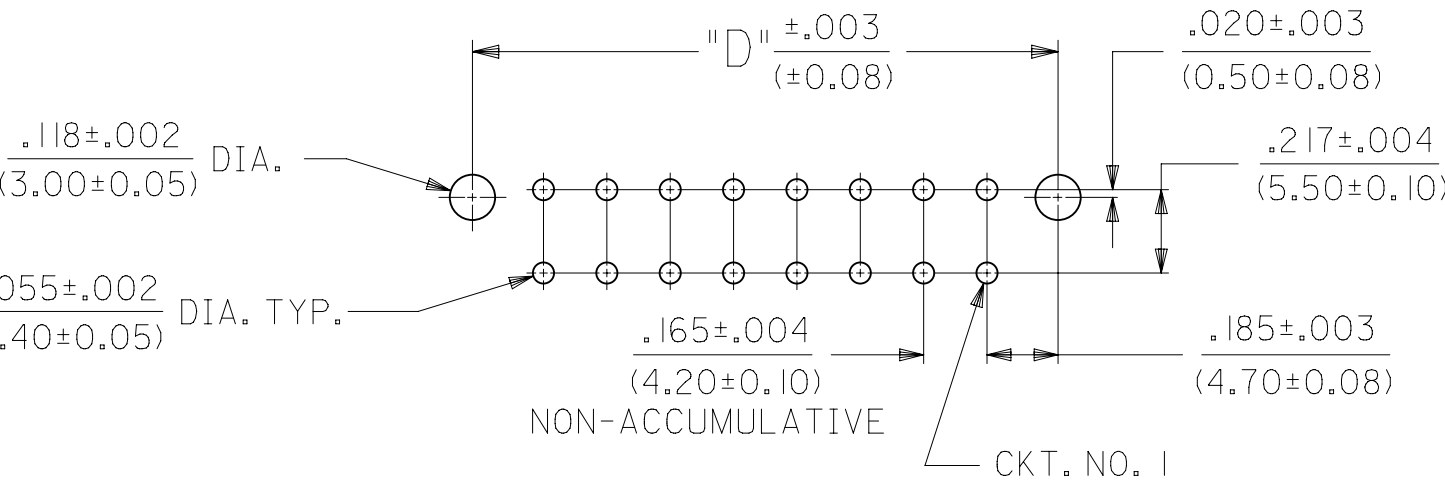
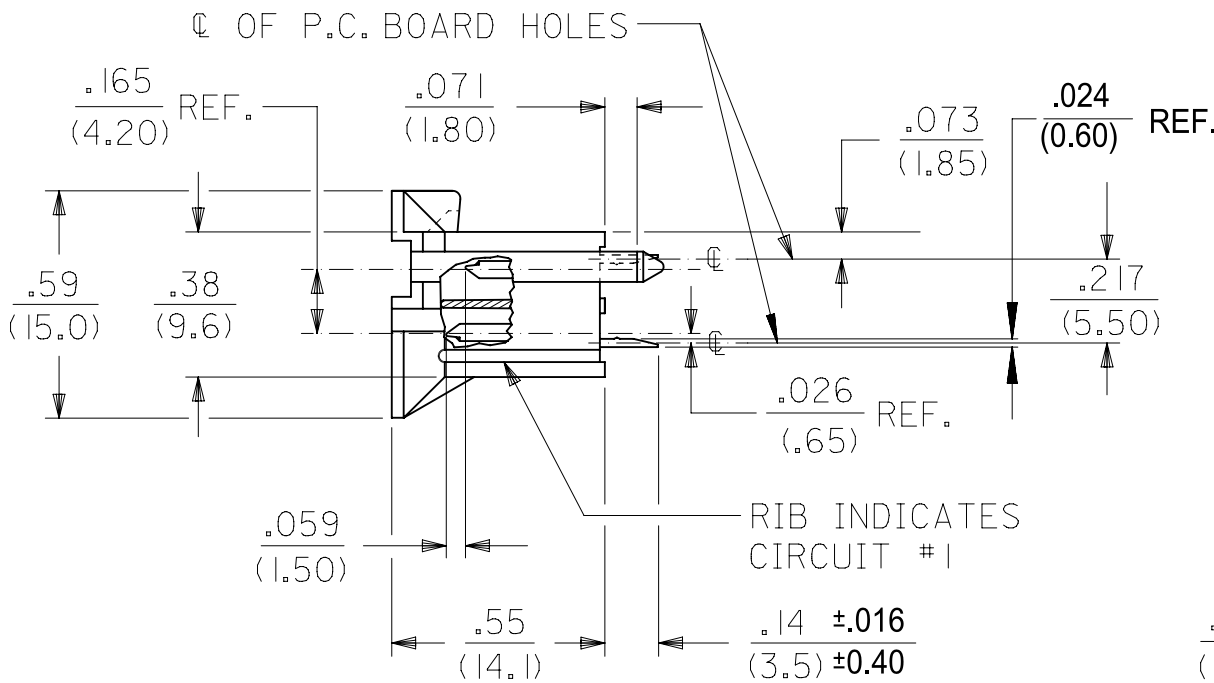
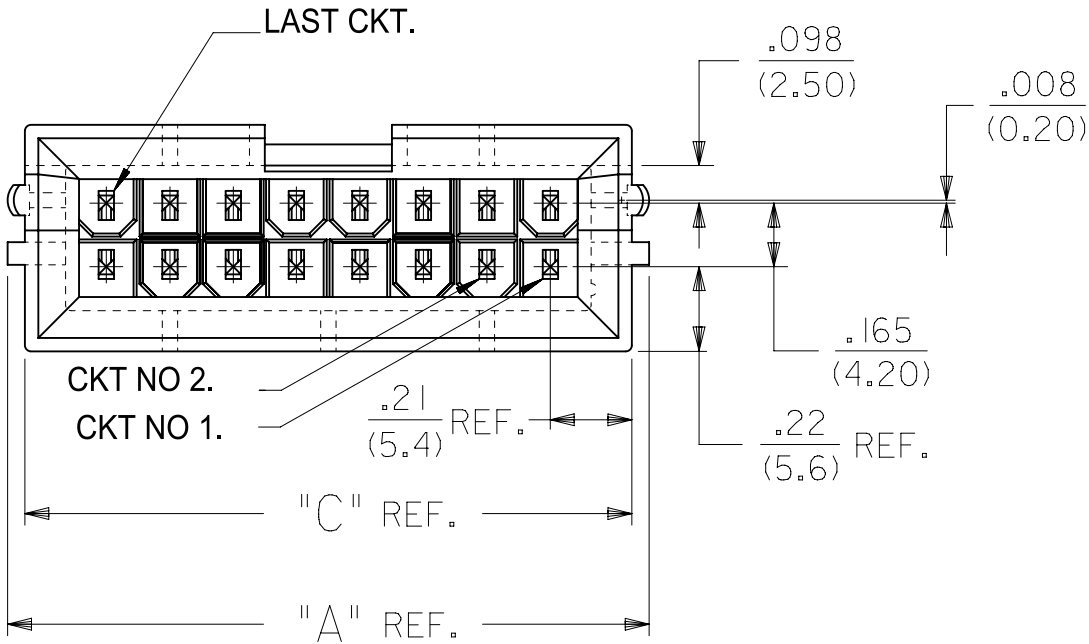
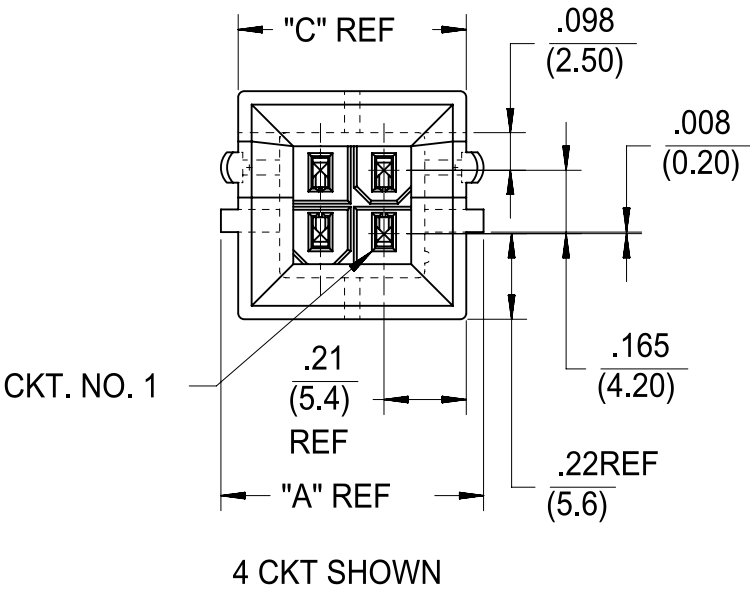


CIRCUIT SIZE	DIM. "A"	DIM. "B"	DIM. "C"	DIM. "D"	DIM. "E"
2	.520 (13.20)	—	.425 (10.80)	.370 (9.40)	.21 (5.4)
4	.685 (17.40)	.17 (4.2)	.590 (15.00)	.535 (13.60)	.38 (9.6)
6	.850 (21.60)	.33 (8.4)	.756 (19.20)	.701 (17.80)	.54 (13.8)
8	1.016 (25.80)	.50 (12.6)	.921 (23.40)	.866 (22.00)	.71 (18.0)
10	1.181 (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)

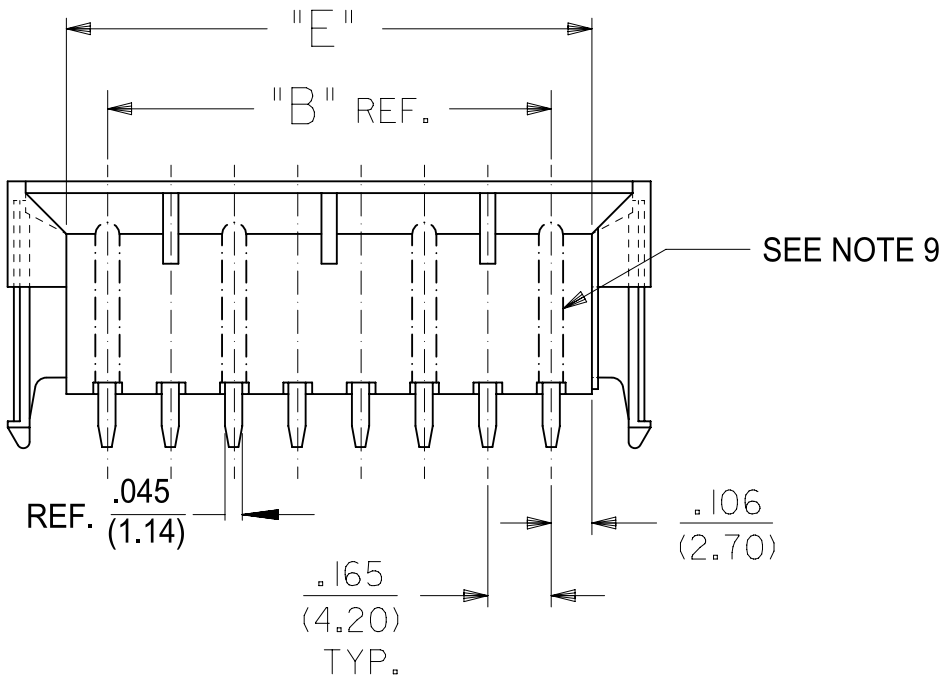


NOTES:

- 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
- 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
- PRODUCT SPECIFICATION: PS-5556-002
- PACKAGING: TRAY PACK PER PK-42440-001
- PART MATES WITH MINI-FIT RECEPTACLES 5557, 42474,44516 AND BMI HEADER 42385.
- PART ALLOWS FOR UP TO .100/(2.54) MISALIGNMENT WITH MATING RECEPTACLE IN ANY DIRECTION. SEE MATING CONNECTOR DRAWINGS FOR SPECIFIC ALLOWANCES.
- THIS PART IS NOT DESIGNED FOR CURRENT SHARING.
- CONNECTOR ASSEMBLIES ARE NOT TO BE MATED OR UNMATED WHILE CIRCUITS ARE LIVE.
- 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.
- PART CONFORMS TO CLASS "B" REQUIREMENTS OF COSMETIC SPECIFICATION' PS-45499-002.



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



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: Change from Restricted customer to General market.			molex				
INCH/mm		NTS									
GENERAL TOLERANCES (UNLESS SPECIFIED)							2-24 CKT VERT HDR ASSY				
	MM	INCH									
4 PLACES	±	±									
3 PLACES	±	± 0.0100									
2 PLACES	± 0.250	± 0.014	STATUS: Production DRWN: Xiao Wei Wang 2026-04-09 CHK'D: Xiao Wei Wang 2026-04-16 APPR: Xue Qing Zhang 2026-04-16			PRODUCT CUSTOMER DRAWING					
1 PLACE	± 0.36	±									
0 PLACES	±					DOCUMENT NUMBER 434590000-SD			DOC TYPE PSD	DOC PART 000	REVISION A2
INITIAL REVISION: DRWN: LSCHWALLER 2020/07/10 APPR: FSMITH 2020/07/30											
ANGULAR TOL ± 3°											
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			THIRD ANGLE PROJECTION		DRAWING	SERIES	MATERIAL NUMBER		CUSTOMER	SHEET NUMBER	
					C-SIZE	43459	SEE CHART		GENERAL MARKET	1 OF 3	

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
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				
43459-0038		24AAD			9	9	9	9	9	9	9	9	9	9	9	5	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	-	-	-	-	-	-	-	-	-	-	-	-	----	---	----				
43459-0041		6AAA		O	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	----	---	----				
43459-0042		18BAE			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	-	1	1	-	9=STANDARD	D	BRASS				
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	-	-	-	-	-	-	-	-	-	-	-	-							
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							
43459-0048		04BAD			9	5	5	9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-							
43459-0049		04BAE			10	3	3	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-							
43459-0050		18BAE			3	3	3	3	3	3	3	3	3	3	10	3	3	3	3	3	3	-	-	-	-	-							
43459-0052		24BAD			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						
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	-	-	-	-	-	-	-	-							
43459-0056		14BAA			8	8	1	8	1	8	1	8	8	8	8	8	8	8	-	-	-	-	-	-	-	-							
43459-0057		14BAA			1	8	8	8	8	8	8	8	8	1	1	8	8	8	8	8	8	1	-	-	-	-							
43459-0058		24BAA			8	1	1	1	1	1	1	1	1	1	1	8	8	1	1	1	1	1	1	1	1	1	8						
43459-0059		24BAA			1	1	1	1	1	1	1	1	1	1	8	1	1	1	1	1	1	1	1	1	8	8	8						
43459-0060		24BAA			8	1	1	1	1	1	1	1	1	8	1	8	8	1	1	1	1	1	1	8	8	8							
CHARACTERISTICS LEGEND:																																	
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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DIMENSION UNITS		SCALE		CURRENT REV DESC: Change from Restricted customer to General market.																								molex					
INCH/mm		NTS																															
GENERAL TOLERANCES (UNLESS SPECIFIED)				STATUS: Production DRWN: Xiao Wei Wang 2026-04-09 CHK'D: Xiao Wei Wang 2026-04-16 APPR: Xue Qing Zhang 2026-04-16																													
		MM																														INCH	
4 PLACES		±																										±					
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1 PLACE		± 0.36		±		INITIAL REVISION: DRWN: LSCHWALLER 2020/07/10 APPR: FSMITH 2020/07/30																		DOCUMENT NUMBER				DOC TYPE		DOC PART		REVISION	
0 PLACES		±		±																				434590000-SD				PSD		000		A2	
ANGULAR TOL		± 3°		THIRD ANGLE PROJECTION																		DRAWING		SERIES		MATERIAL NUMBER		CUSTOMER		SHEET NUMBER			
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS																						C-SIZE		43459		SEE CHART		GENERAL MARKET		3 OF 3			

FORMAT: Eng-Msg-TC-0-