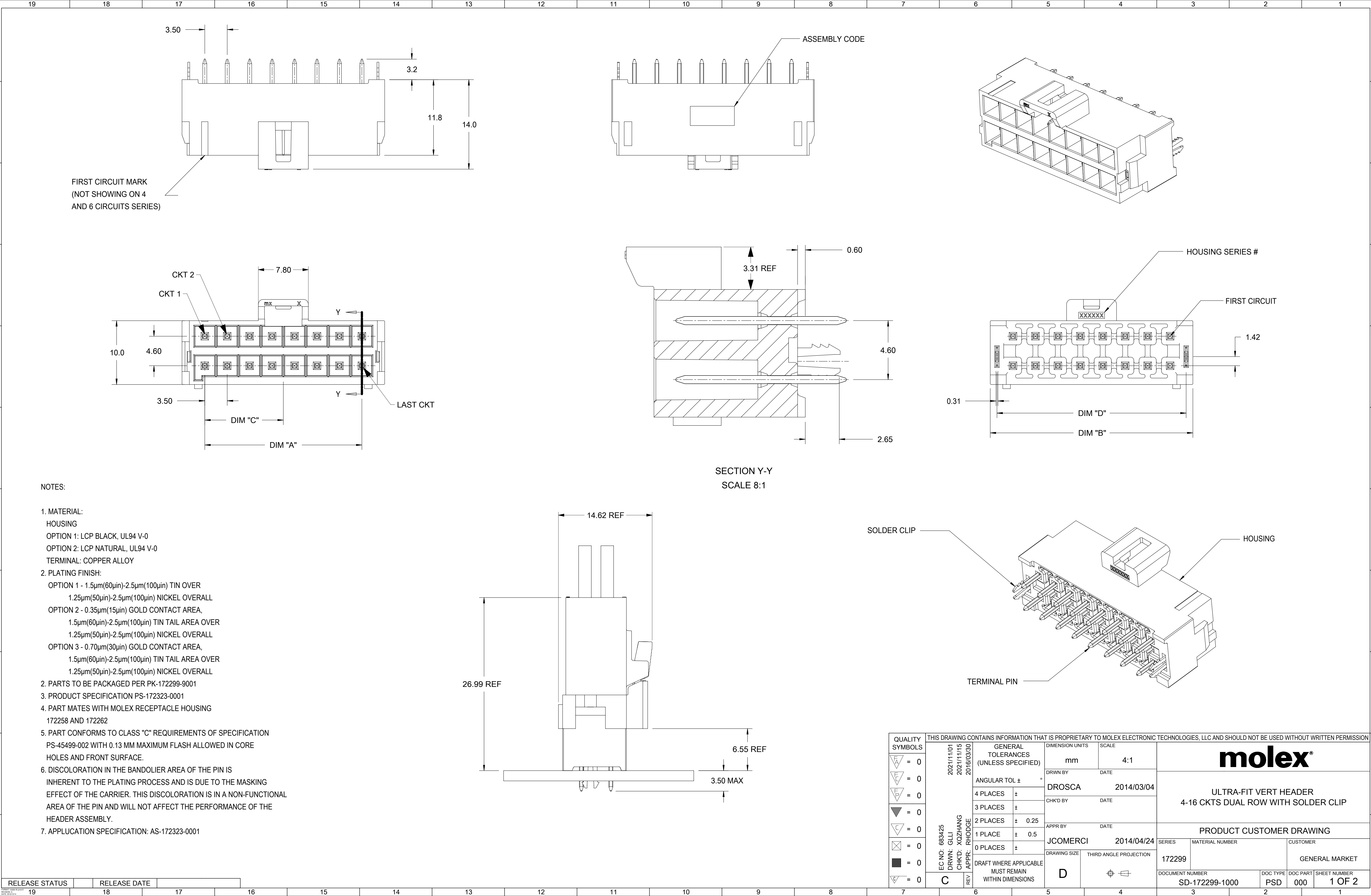




FIRST CIRCUIT MARK
(NOT SHOWING ON 4
AND 6 CIRCUITS SERIES)

ASSEMBLY CODE

HOUSING SERIES #

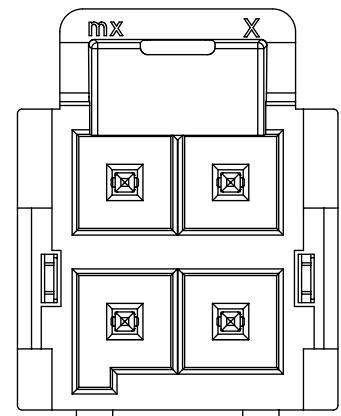
FIRST CIRCUIT

SECTION Y-Y
SCALE 8:1

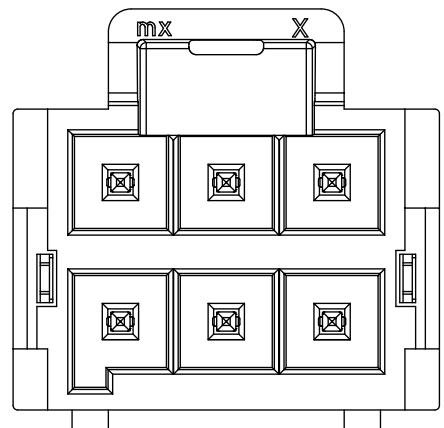
NOTES:

- MATERIAL:
HOUSING
OPTION 1: LCP BLACK, UL94 V-0
OPTION 2: LCP NATURAL, UL94 V-0
TERMINAL: COPPER ALLOY
- PLATING FINISH:
OPTION 1 - 1.5µm(60µin)-2.5µm(100µin) TIN OVER
1.25µm(50µin)-2.5µm(100µin) NICKEL OVERALL
OPTION 2 - 0.35µm(15µin) GOLD CONTACT AREA,
1.5µm(60µin)-2.5µm(100µin) TIN TAIL AREA OVER
1.25µm(50µin)-2.5µm(100µin) NICKEL OVERALL
OPTION 3 - 0.70µm(30µin) GOLD CONTACT AREA,
1.5µm(60µin)-2.5µm(100µin) TIN TAIL AREA OVER
1.25µm(50µin)-2.5µm(100µin) NICKEL OVERALL
- PARTS TO BE PACKAGED PER PK-172299-9001
- PRODUCT SPECIFICATION PS-172323-0001
- PART MATES WITH MOLEX RECEPTACLE HOUSING
172258 AND 172262
- PART CONFORMS TO CLASS "C" REQUIREMENTS OF SPECIFICATION
PS-45499-002 WITH 0.13 MM MAXIMUM FLASH ALLOWED IN CORE
HOLES AND FRONT SURFACE.
- DISCOLORATION IN THE BANDOLIER AREA OF THE PIN IS
INHERENT TO THE PLATING PROCESS AND IS DUE TO THE MASKING
EFFECT OF THE CARRIER. THIS DISCOLORATION IS IN A NON-FUNCTIONAL
AREA OF THE PIN AND WILL NOT AFFECT THE PERFORMANCE OF THE
HEADER ASSEMBLY.
- APPLICATION SPECIFICATION: AS-172323-0001

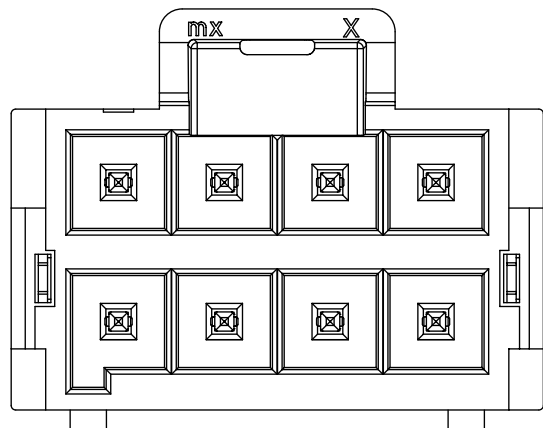
QUALITY SYMBOLS										THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION																							
		=	0	EC NO: 683425 DRWN: GLLI CHKD: XQZHANG REV: APPR: RHODGE	2021/11/01 2021/11/15 2016/03/30	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION UNITS		SCALE																								
		=	0				mm		4:1																								
		=	0				DRWN BY		DATE																								
		=	0				ANGULAR TOL ±			ULTRA-FIT VERT HEADER 4-16 CKTS DUAL ROW WITH SOLDER CLIP																							
		=	0				4 PLACES	±																									
		=	0				3 PLACES	±																									
		=	0				2 PLACES	±	0.25	PRODUCT CUSTOMER DRAWING																							
		=	0				1 PLACE	±	0.5																								
		=	0				0 PLACES	±																									
		=	0				DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		DRAWING SIZE		THIRD ANGLE PROJECTION																						
		=	0						D																								
		=	0																														
RELEASE STATUS					RELEASE DATE																												
C																																	
SD-172299-1000					PSD				000				1 OF 2																				



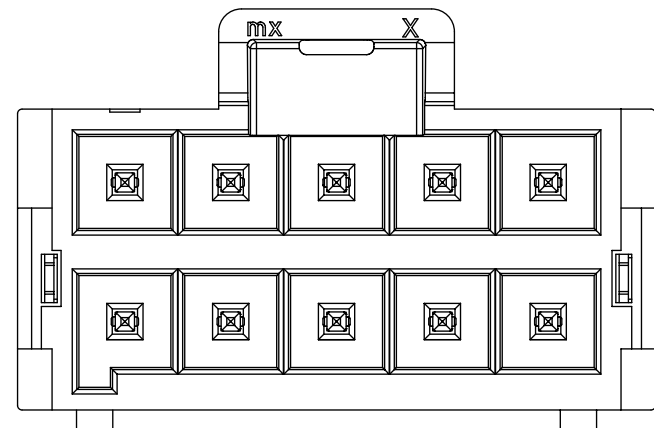
2 CKT



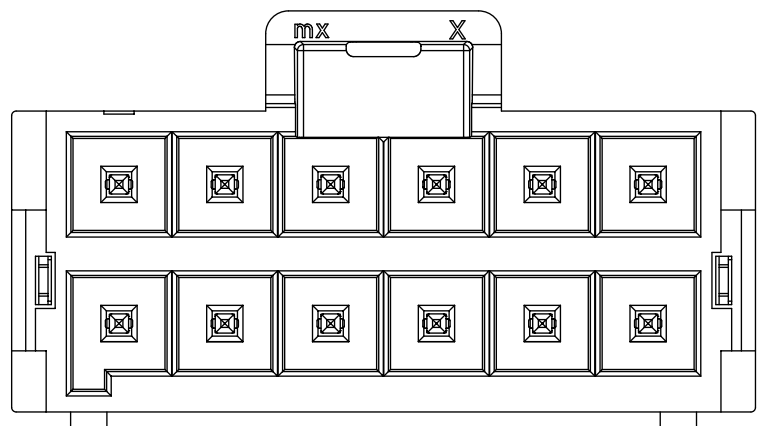
6 CKT



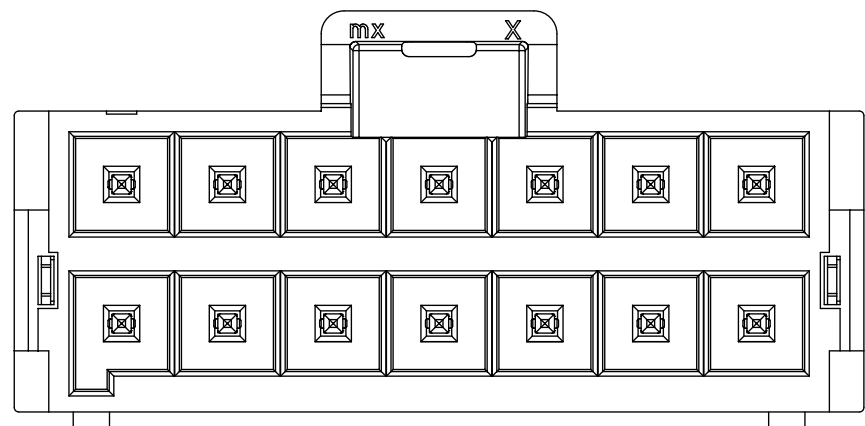
8 CKT



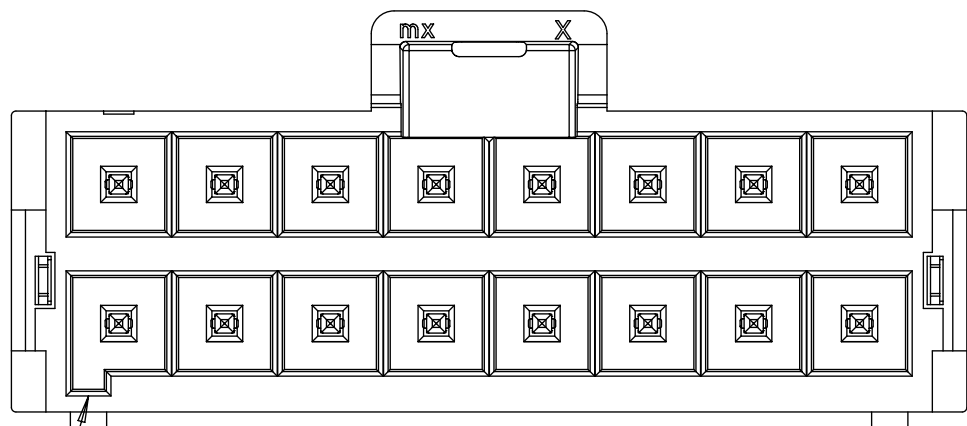
10 CKT



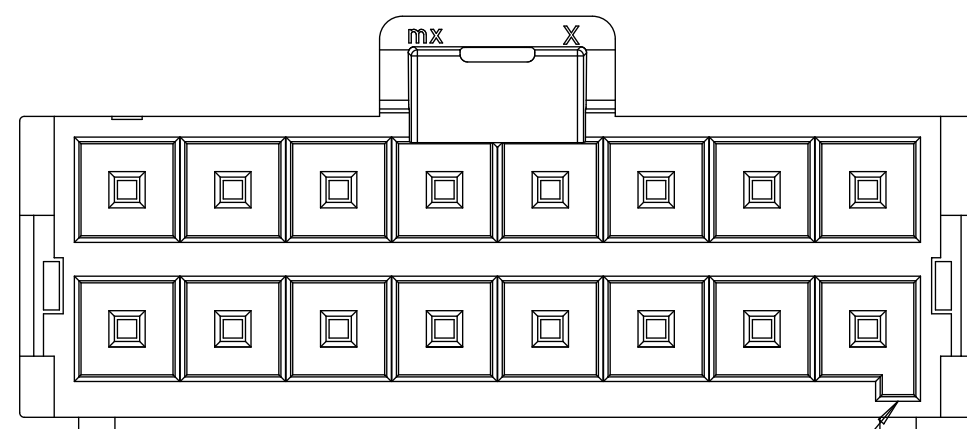
12 CKT



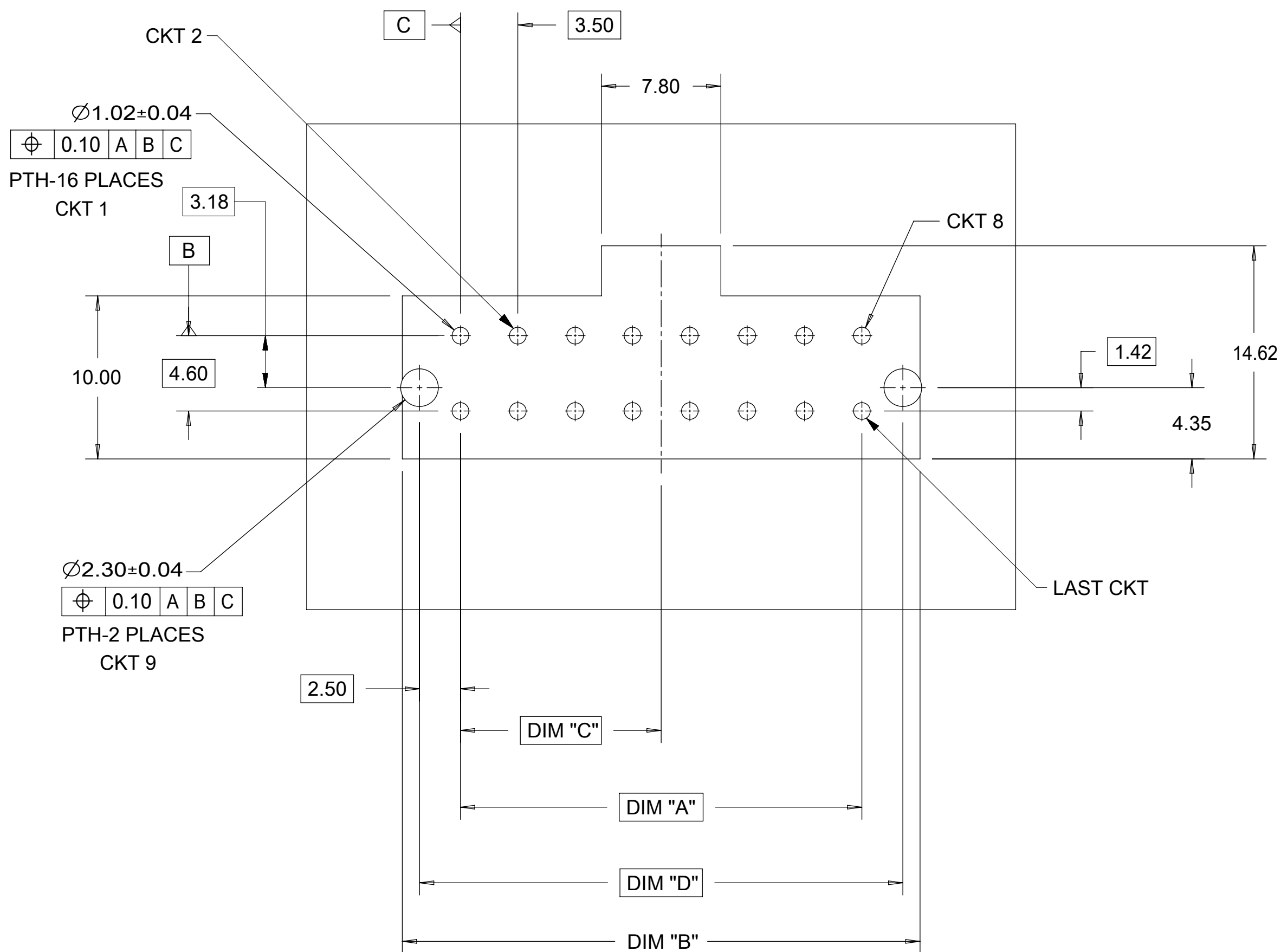
14 CKT



16 CKT



KEY B
(NATURAL)



NOTE: DATUM -A- IS ON PCB COMPONENT SIDE

PCB LAYOUT COMPONENT SIDE
RECOMENDED PCB THICKNESS 1.60MM-2.40MM

TIN PLATING							
PART NO.	COLOR	CIRCUIT SIZE	KEY OPTION	DIM A	DIM B	DIM C	DIM D
172299-1104	BLACK	4	KEY A	3.50	10.60	1.75	8.50
172299-1106	BLACK	6	KEY A	7.00	14.10	3.50	12.00
172299-1108	BLACK	8	KEY A	10.50	17.60	5.25	15.50
172299-1110	BLACK	10	KEY A	14.00	21.10	7.00	19.00
172299-1112	BLACK	12	KEY A	17.50	24.60	8.75	22.50
172299-1114	BLACK	14	KEY A	21.00	28.10	10.50	26.00
172299-1116	BLACK	16	KEY A	24.50	31.60	12.25	29.50
172299-2104	NATURAL	4	KEY B	3.50	10.60	1.75	8.50
172299-2106	NATURAL	6	KEY B	7.00	14.10	3.50	12.00
172299-2108	NATURAL	8	KEY B	10.50	17.60	5.25	15.50
172299-2110	NATURAL	10	KEY B	14.00	21.10	7.00	19.00
172299-2112	NATURAL	12	KEY B	17.50	24.60	8.75	22.50
172299-2114	NATURAL	14	KEY B	21.00	28.10	10.50	26.00
172299-2116	NATURAL	16	KEY B	24.50	31.60	12.25	29.50

15 MICROINCH GOLD PLATING							
PART NO.	COLOR	CIRCUIT SIZE	KEY OPTION	DIM A	DIM B	DIM C	DIM D
172299-1204	BLACK	4	KEY A	3.50	10.60	1.75	8.50
172299-1206	BLACK	6	KEY A	7.00	14.10	3.50	12.00
172299-1208	BLACK	8	KEY A	10.50	17.60	5.25	15.50
172299-1210	BLACK	10	KEY A	14.00	21.10	7.00	19.00
172299-1212	BLACK	12	KEY A	17.50	24.60	8.75	22.50
172299-1214	BLACK	14	KEY A	21.00	28.10	10.50	26.00
172299-1216	BLACK	16	KEY A	24.50	31.60	12.25	29.50
172299-2204	NATURAL	4	KEY B	3.50	10.60	1.75	8.50
172299-2206	NATURAL	6	KEY B	7.00	14.10	3.50	12.00
172299-2208	NATURAL	8	KEY B	10.50	17.60	5.25	15.50
172299-2210	NATURAL	10	KEY B	14.00	21.10	7.00	19.00
172299-2212	NATURAL	12	KEY B	17.50	24.60	8.75	22.50
172299-2214	NATURAL	14	KEY B	21.00	28.10	10.50	26.00
172299-2216	NATURAL	16	KEY B	24.50	31.60	12.25	29.50

30 MICROINCH GOLD PLATING							
PART NO.	COLOR	CIRCUIT SIZE	KEY OPTION	DIM A	DIM B	DIM C	DIM D
172299-1304	BLACK	4	KEY A	3.50	10.60	1.75	8.50
172299-1306	BLACK	6	KEY A	7.00	14.10	3.50	12.00
172299-1308	BLACK	8	KEY A	10.50	17.60	5.25	15.50
172299-1310	BLACK	10	KEY A	14.00	21.10	7.00	19.00
172299-1312	BLACK	12	KEY A	17.50	24.60	8.75	22.50
172299-1314	BLACK	14	KEY A	21.00	28.10	10.50	26.00
172299-1316	BLACK	16	KEY A	24.50	31.60	12.25	29.50
172299-2304	NATURAL	4	KEY B	3.50	10.60	1.75	8.50
172299-2306	NATURAL	6	KEY B	7.00	14.10	3.50	12.00
172299-2308	NATURAL	8	KEY B	10.50	17.60	5.25	15.50
172299-2310	NATURAL	10	KEY B	14.00	21.10	7.00	19.00
172299-2312	NATURAL	12	KEY B	17.50	24.60	8.75	22.50
172299-2314	NATURAL	14	KEY B	21.00	28.10	10.50	26.00
172299-2316	NATURAL	16	KEY B	24.50	31.60	12.25	29.50

QUALITY SYMBOLS		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION										
 = 0	EC NO: 683425 DRWN: GLI CHKD: XQZHANG APPR: RHODGE REV:	2021/11/01 2021/11/15 2016/03/30	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION UNITS		SCALE					
 = 0					mm		4:1					
 = 0			ANGULAR TOL ± °		DRWN BY DATE		DROSCA 2014/03/04					
 = 0			4 PLACES ±	CHK'D BY DATE								
 = 0			3 PLACES ±	APPR BY DATE								
 = 0			2 PLACES ± 0.25	JCOMERCI 2014/04/24		ULTRA-FIT VERT HEADER 4-16 CKTS DUAL ROW WITH SOLDER CLIP						
 = 0			1 PLACE ± 0.5									
 = 0			0 PLACES ±			PRODUCT CUSTOMER DRAWING						
 = 0			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	DRAWING SIZE	THIRD ANGLE PROJECTION		SERIES	MATERIAL NUMBER		CUSTOMER		
 = 0					172299				GENERAL MARKET			
 = 0	DOCUMENT NUMBER				DOC TYPE		DOC PART		SHEET NUMBER			
 = 0	C	D			SD-172299-1000		PSD 000		2 OF 2			