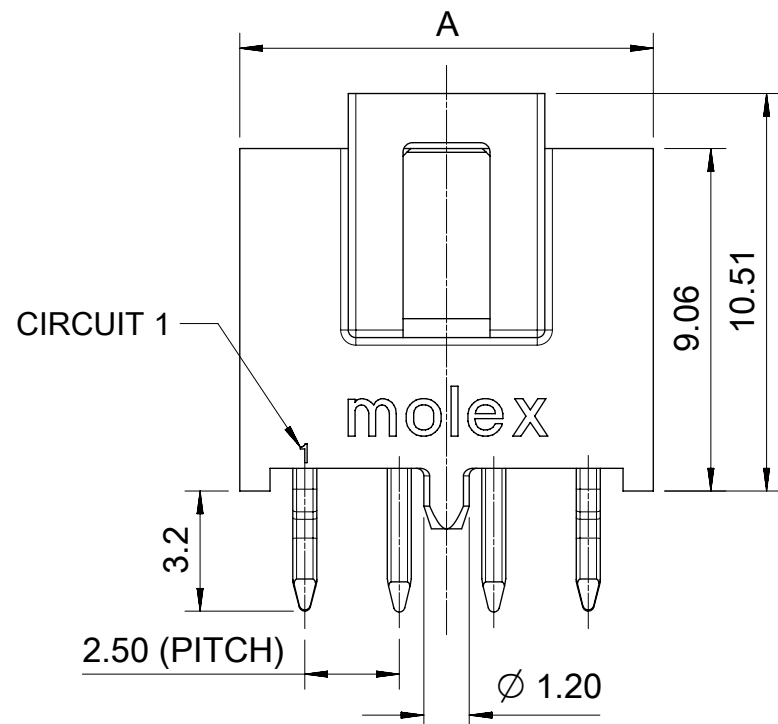
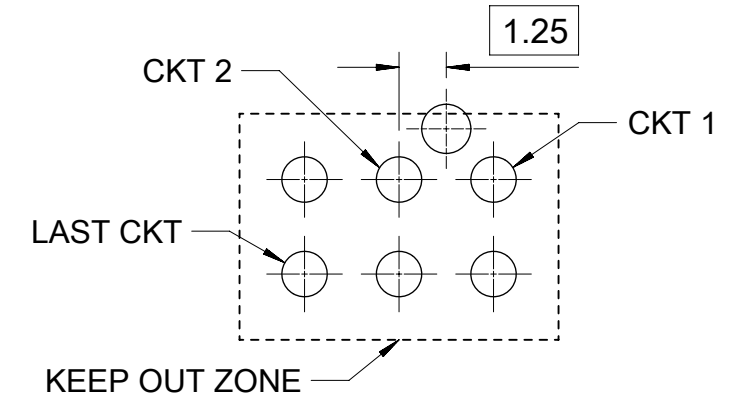
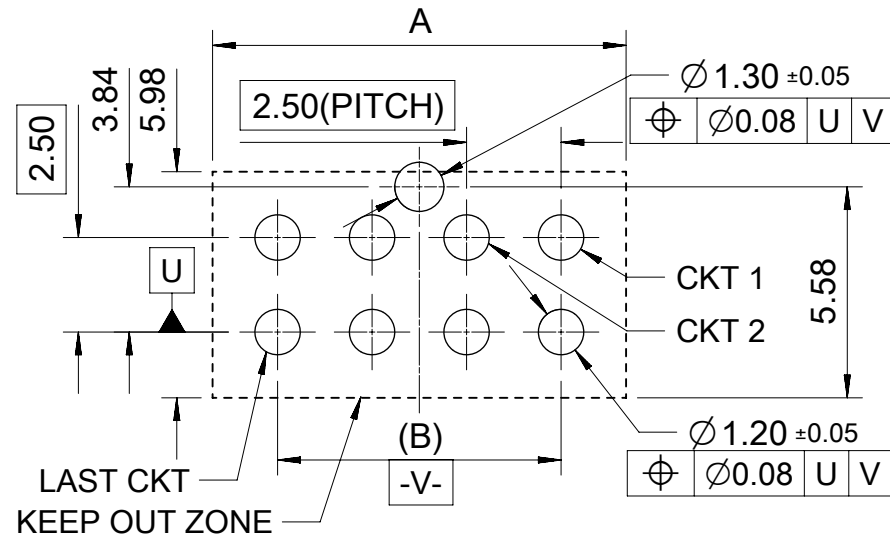
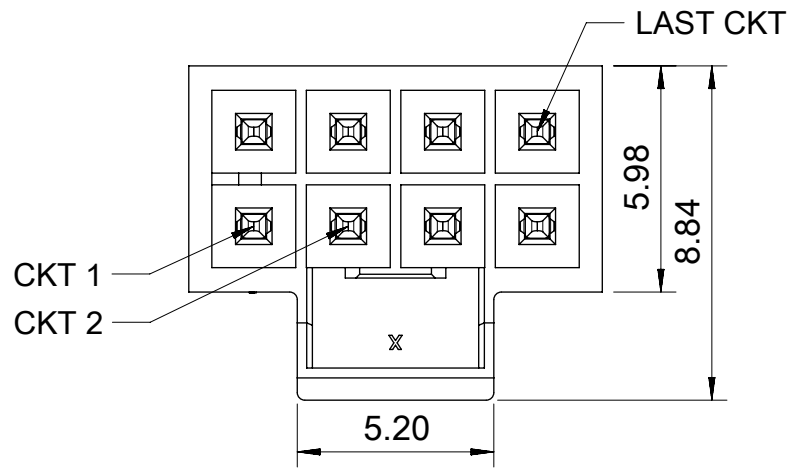
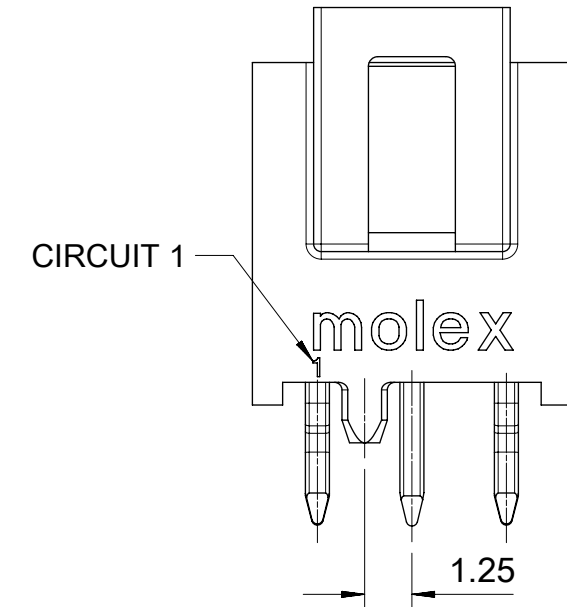
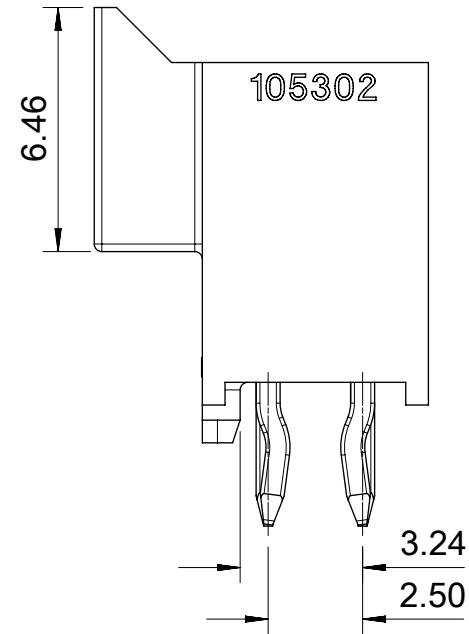
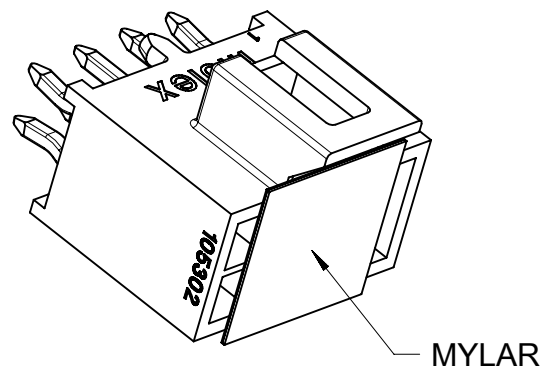




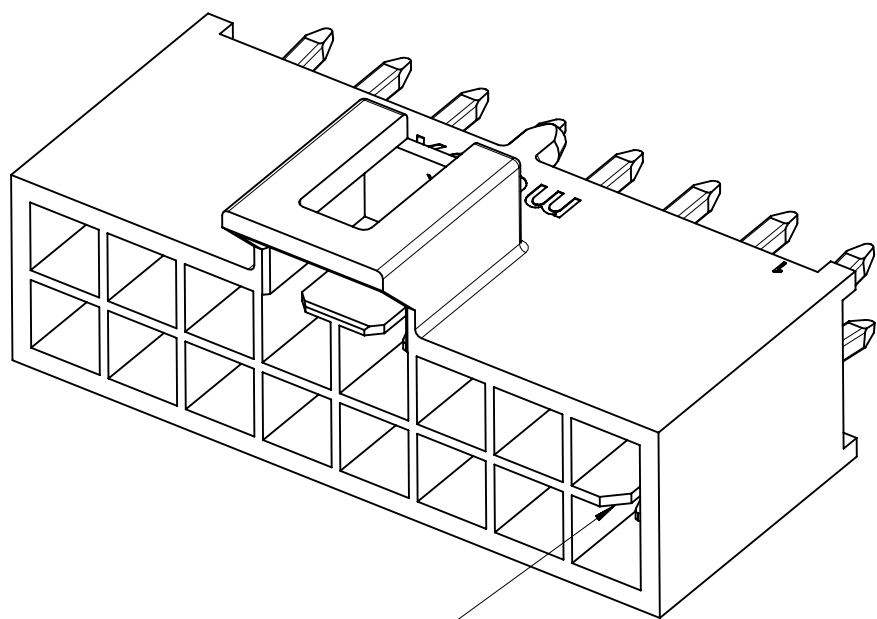
RECOMMENDED PCB(CONNECTOR SIDE VIEW)
THICKNESS=1.6 TO 2.4 MM



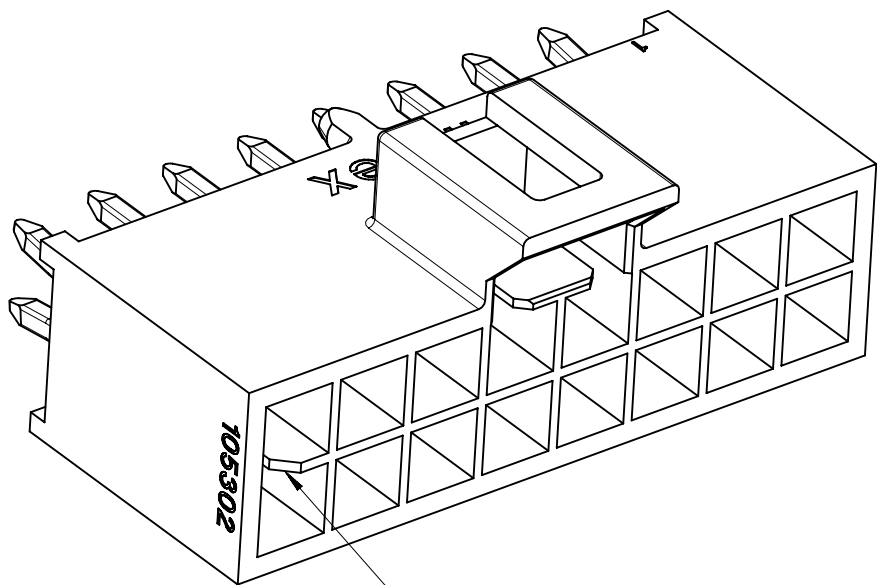
ONLY FOR CKT 6, 10, 14
OTHER DIMENSIONS REFER TO LEFT VIEWS.



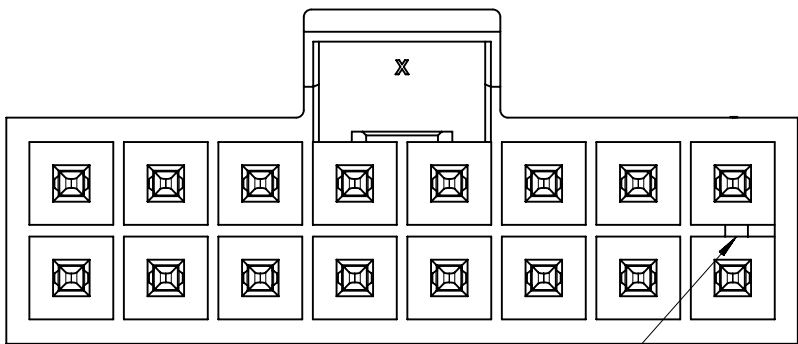
FUNCTIONAL SYMBOLS		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		CURRENT REV DESC:		molex	
DIMENSION UNITS		SCALE		EC NO: 698973		HEADER OF NANO-FIT, D/R, KINK, VERTICAL POWER CONNECTOR	
mm		5:1		DRWN: GLLI		2022/03/07	
GENERAL TOLERANCES (UNLESS SPECIFIED)		ANGULAR TOL ± 3.0°		CHK'D: XQZHANG		2022/03/11	
4 PLACES ±		3 PLACES ± 0.1		APPR: XQZHANG		2022/03/11	
2 PLACES ± 0.2		1 PLACE ± 0.3		INITIAL REVISION:		DOCUMENT NUMBER	
0 PLACES ±		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		DRWN: GLLI		2019/09/24	
THIRD ANGLE PROJECTION		DRAWING		SERIES		MATERIAL NUMBER	
A3-SIZE		105310		CUSTOMER		GENERAL MARKET	
SHEET NUMBER		1 OF 5		REVISION		B1	



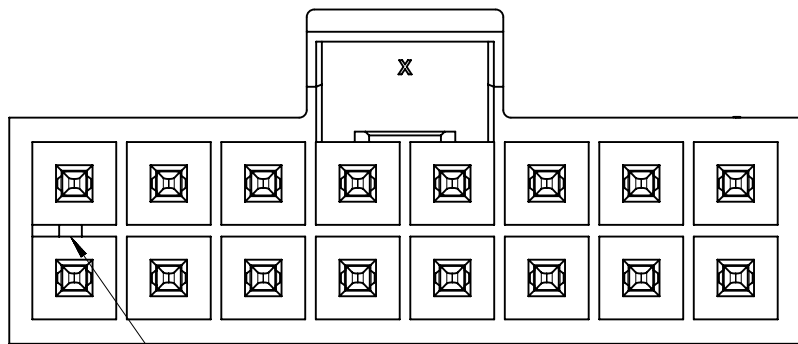
KEY A



KEY B



KEY A



KEY B

BLACK

NATURAL

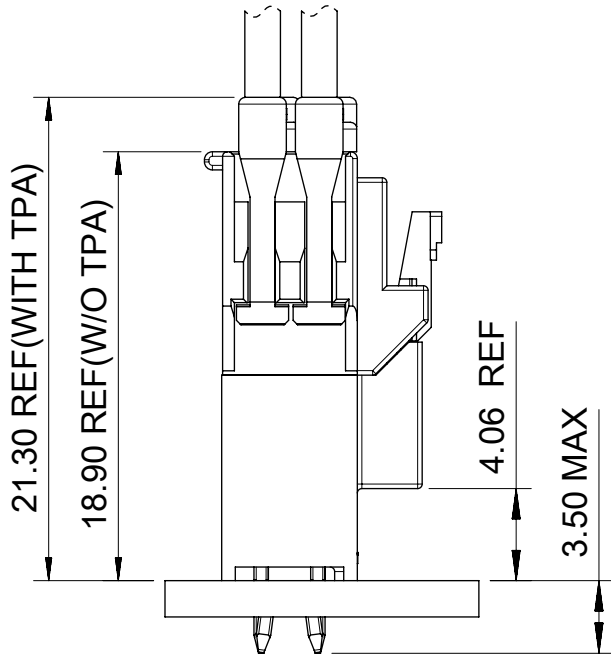
COLOR OPTION

FUNCTIONAL 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:			molex									
= 0	mm		5:1														
= 0	GENERAL TOLERANCES (UNLESS SPECIFIED)																
= 0	ANGULAR TOL ± 3.0 °																
DIVISIONAL SYMBOLS	4 PLACES		±					EC NO: 698973 DRWN: GLLI 2022/03/07 CHK'D: XQZHANG 2022/03/11 APPR: XQZHANG 2022/03/11			HEADER OF NANO-FIT, D/R, KINK, VERTICAL POWER CONNECTOR						
	3 PLACES		± 0.1														
	2 PLACES		± 0.2														
	1 PLACE		± 0.3		INITIAL REVISION: DRWN: GLLI 2019/09/24 APPR: YXZHENG 2020/03/16			PRODUCT CUSTOMER DRAWING									
	0 PLACES		±														
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION		DRAWING		SERIES		DOCUMENT NUMBER		DOC TYPE		DOC PART		REVISION
						A3-SIZE		105310		1053101000-SD		PSD		000		B1	
								MATERIAL NUMBER		CUSTOMER				SHEET NUMBER			
										GENERAL MARKET				2 OF 5			

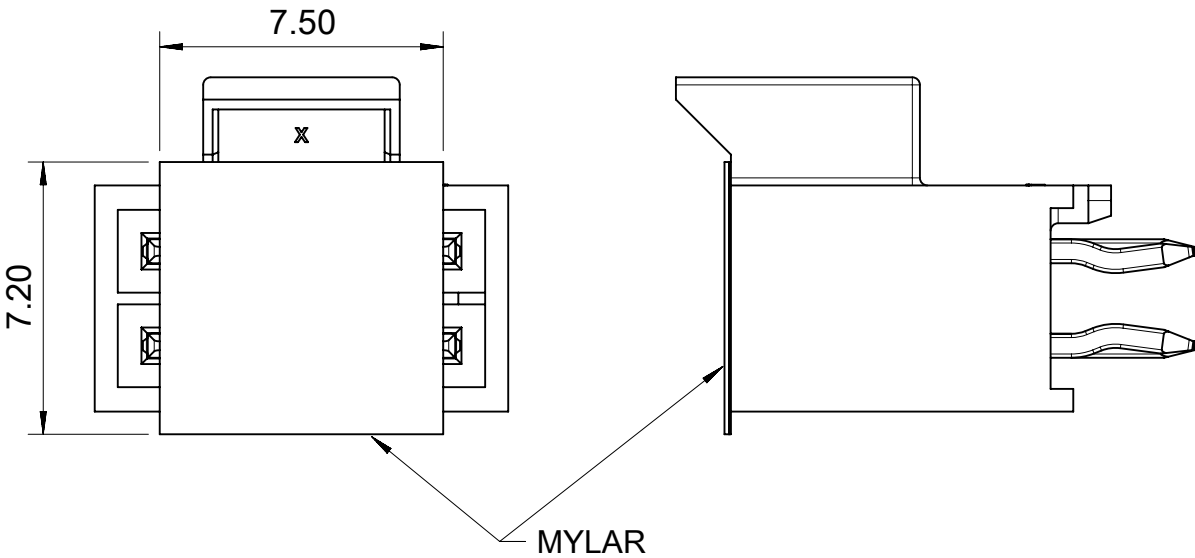
DOCUMENT STATUS	P1	RELEASE DATE	2022/03/11	09:07:40
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FORMAT: master-b-prod-A3
REVISION: J
DATE: 2020/01/14

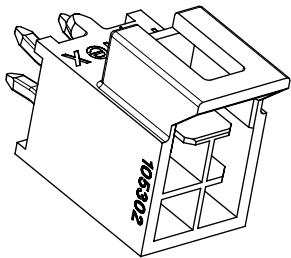
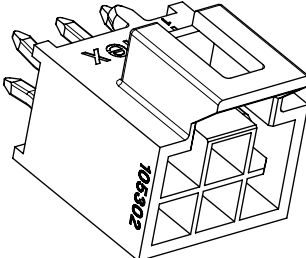
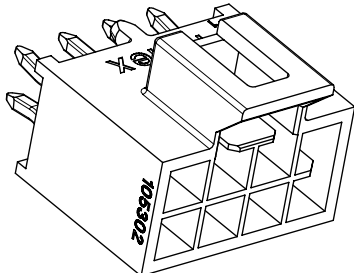
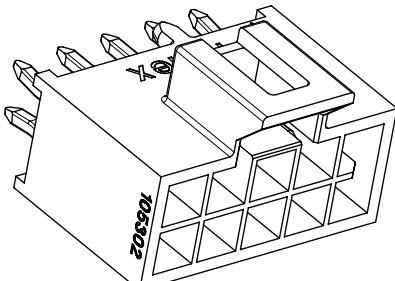
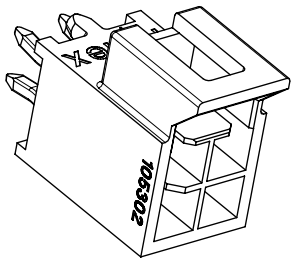
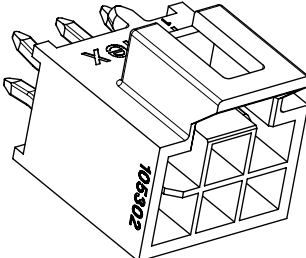
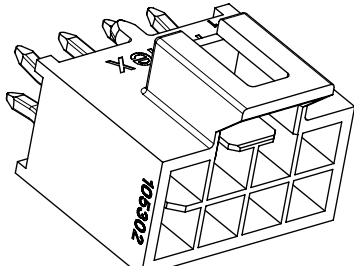
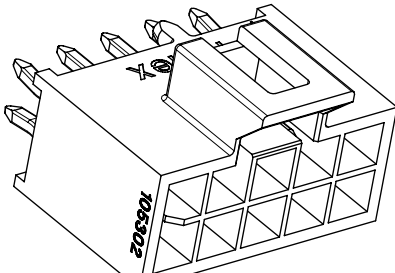
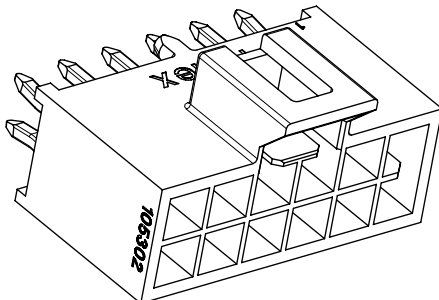
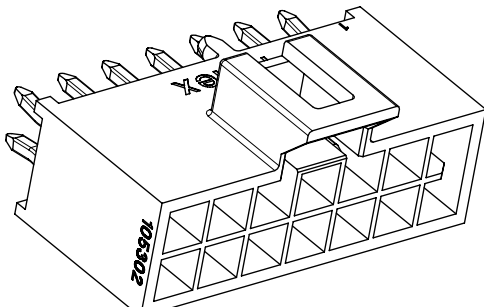
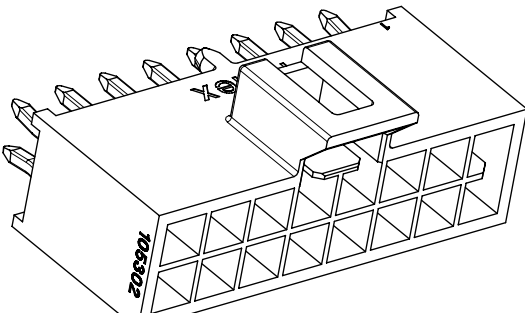
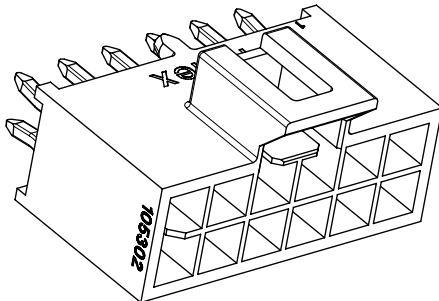
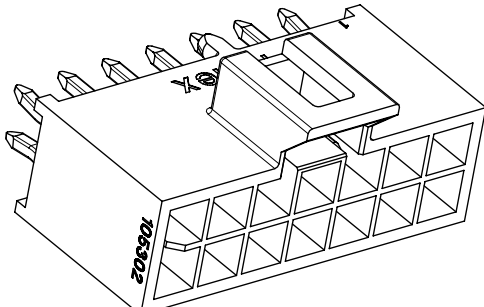
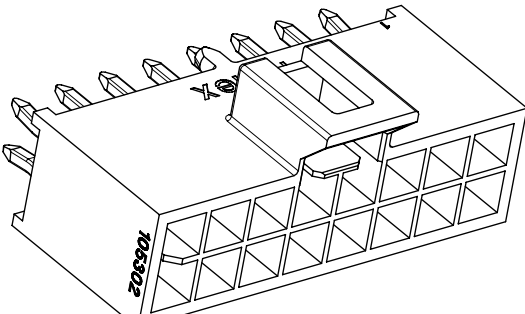
10	9		8		7	
PART NUMBER	DIM 'A'	DIM 'B'	CKT SIZE	PLATING	MYLAR	
105310-3504	5.94	2.50	4	TIN	YES	
105310-3506	8.44	5.00	6			
105310-3508	10.94	7.50	8			
105310-3510	13.44	10.00	10			
105310-3512	15.94	12.50	12			
105310-3514	18.44	15.00	14			
105310-3516	20.94	17.50	16			
105310-3704	5.94	2.50	4			
105310-3706	8.44	5.00	6			
105310-3708	10.94	7.50	8			
105310-3710	13.44	10.00	10			
105310-3712	15.94	12.50	12			
105310-3714	18.44	15.00	14			
105310-3716	20.94	17.50	16	GOLD 0.38		
105310-3604	5.94	2.50	4			
105310-3606	8.44	5.00	6			
105310-3608	10.94	7.50	8			
105310-3610	13.44	10.00	10			
105310-3612	15.94	12.50	12			
105310-3614	18.44	15.00	14			
105310-3616	20.94	17.50	16	GOLD 0.76		
105310-3804	5.94	2.50	4			
105310-3806	8.44	5.00	6			
105310-3808	10.94	7.50	8			
105310-3810	13.44	10.00	10			
105310-3812	15.94	12.50	12			
105310-3814	18.44	15.00	14	GOLD 0.76 + LUBE		
105310-3816	20.94	17.50	16			
COLOR: BLACK						



4		3		2		1	
PART NUMBER		DIM 'A'	DIM 'B'	CKT SIZE	PLATING	MYLAR	
105310-4504		5.94	2.50	4	TIN	YES	
105310-4506		8.44	5.00	6			
105310-4508		10.94	7.50	8			
105310-4510		13.44	10.00	10			
105310-4512		15.94	12.50	12			
105310-4514		18.44	15.00	14			
105310-4516		20.94	17.50	16			
105310-4704		5.94	2.50	4			
105310-4706		8.44	5.00	6			
105310-4708		10.94	7.50	8			
105310-4710		13.44	10.00	10			
105310-4712		15.94	12.50	12			
105310-4714		18.44	15.00	14			
105310-4716		20.94	17.50	16	GOLD 0.38		
105310-4604		5.94	2.50	4			
105310-4606		8.44	5.00	6			
105310-4608		10.94	7.50	8			
105310-4610		13.44	10.00	10			
105310-4612		15.94	12.50	12			
105310-4614		18.44	15.00	14	GOLD 0.76		
105310-4616		20.94	17.50	16			
105310-4804		5.94	2.50	4			
105310-4806		8.44	5.00	6			
105310-4808		10.94	7.50	8			
105310-4810		13.44	10.00	10			
105310-4812		15.94	12.50	12	GOLD 0.76 + LUBE		
105310-4814		18.44	15.00	14			
105310-4816		20.94	17.50	16			
COLOR: NATURAL							



FUNCTIONAL SYMBOLS FA= 0 FE= 0 FE= 0 DIVISIONAL SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION	
	DIMENSION UNITS	SCALE
	mm	5:1
	GENERAL TOLERANCES (UNLESS SPECIFIED)	
	ANGULAR TOL	± 3.0 °
	4 PLACES	±
	3 PLACES	± 0.1
	2 PLACES	± 0.2
	1 PLACE	± 0.3
	0 PLACES	±
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		
THIRD ANGLE PROJECTION		
DRAWING	SERIES	
A3-SIZE	105310	
CURRENT REV DESC:		
EC NO: 698973		
DRWN: GLLI 2022/03/07		
CHK'D: XQZHANG 2022/03/11		
APPR: XQZHANG 2022/03/11		
INITIAL REVISION:		
DRWN: GLLI 2019/09/24		
APPR: YXZHENG 2020/03/16		
DOCUMENT NUMBER		
1053101000-SD		
DOC TYPE		
PSD		
DOC PART		
000		
REVISION		
B1		
MATERIAL NUMBER		
CUSTOMER		
GENERAL MARKET		
SHEET NUMBER		
3 OF 5		

	10	9	8	7	6	5	4	3	2	1							
F	BLACK	4 CKT		6 CKT		8 CKT		10 CKT				F					
																	
E	NATURAL											E					
D	BLACK	12 CKT			14 CKT			16 CKT				D					
																	
C	NATURAL											C					
B											B						
A											A						
DOCUMENT STATUS		P1	RELEASE DATE		2022/03/11		09:07:40										
	9		8		7		6		5		4		3		2		1

FUNCTIONAL SYMBOLS



$\frac{F}{A} = 0$



$\frac{F}{E} = 0$



$\frac{F}{F} = 0$

DIVISIONAL SYMBOLS

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

DIMENSION UNITS

mm

SCALE

3:1

GENERAL TOLERANCES (UNLESS SPECIFIED)

ANGULAR TOL

$\pm 3.0^\circ$

4 PLACES

$\pm$

3 PLACES

± 0.1

2 PLACES

± 0.2

1 PLACE

± 0.3

0 PLACES

$\pm$

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

CURRENT REV DESC:

EC NO: 698973

DRWN: GLLI

CHK'D: XQZHANG

APPR: XQZHANG

2022/03/07

2022/03/11

2022/03/11

INITIAL REVISION:

DRWN: GLLI

APPR: YXZHENG

2019/09/24

2020/03/16

THIRD ANGLE PROJECTION

DRAWING

SERIES

A3-SIZE

105310

DOCUMENT NUMBER

1053101000-SD

DOC TYPE

PSD

DOC PART

000

REVISION

B1

MATERIAL NUMBER

CUSTOMER

GENERAL MARKET

SHEET NUMBER

4 OF 5

molex

HEADER OF NANO-FIT, D/R, KINK, VERTICAL POWER CONNECTOR

PRODUCT CUSTOMER DRAWING

NOTES FOR ALL PARTS

- 1> MATERIAL:
HOUSING: LCP, UL 94V-0; TERMINAL: BRASS.

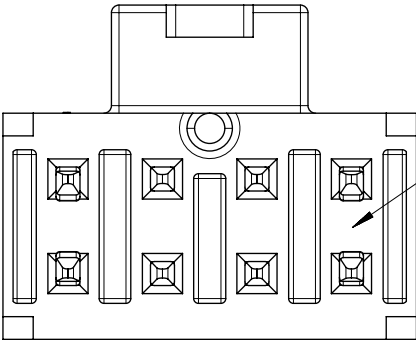
2> PLATING FINISHED:
TERMINAL:
CONTACT AREA: a. REFLOW MATTE TIN 1.5MICRONS MIN;
b. GOLD 0.38 MICRONS MIN;
c. GOLD 0.76 MICRONS MIN.
SOLDER AREA: MATTE TIN 1.5 MICRONS MIN, UNDER PLATING NICKEL 1.25 MICRONS MIN.
- 3> PRODUCT SPECIFICATION: PS-105300-100.

4> PACKAGE: TAPE REEL, 1053101000-PK.

5> PRODUCT MATE WITH SERIES OF 105308(RECEPTACLE), 105300(CRIMP TERMINAL).

6> PARTS CONFORM TO CLASS 'B'REQUIREMENTS OF COSMETIC SPECIFICATION PS-45499-002.

7> DISCOLORATION IN THE BANDOLIER PIN CARRIER AREA OF THE PIN IS INHERENT TO THE PLATING PROCESS AND IS DUE TO THE MASKING DEFECT OF THE CARRIER, THIS DISCOLORATION IS IN A NON-FUNCTION AREA OF THE PIN AND WILL NOT AFFECT THE PERFORMANCE OF THE HEADER ASSEMBLY.



IF ANY NUMBER MARK APPEARS ON THIS SURFACE, PLEASE DISREGARD IT, IT IS NO ANY FUCTION AND NO ANY RELATION TO PIN NUMBER, IT IS JUST FOR MOLDING IDENDIFICATION.

FUNCTIONAL 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: EC NO: 698973 DRWN: GLLI2022/03/07 CHK'D: XQZHANG2022/03/11 APPR: XQZHANG2022/03/11 INITIAL REVISION: DRWN: GLLI2019/09/24 APPR: YXZHENG2020/03/16 THIRD ANGLE PROJECTION DRAWING A3-SIZE SERIES 105310					
	mm		1:1							
	GENERAL TOLERANCES (UNLESS SPECIFIED)									
ANGULAR TOL ± 3.0 °										
DIVISIONAL SYMBOLS	4 PLACES		±		HEADER OF NANO-FIT, D/R, KINK, VERTICAL POWER CONNECTOR PRODUCT CUSTOMER DRAWING DOCUMENT NUMBER 1053101000-SD DOC TYPE PSD DOC PART 000 REVISION B1 MATERIAL NUMBER CUSTOMER GENERAL MARKET SHEET NUMBER 5 OF 5					
	3 PLACES		± 0.1							
	2 PLACES		± 0.2							
	1 PLACE		± 0.3							
	0 PLACES		±							
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS										

molex

HEADER OF NANO-FIT, D/R, KINK, VERTICAL POWER CONNECTOR

PRODUCT CUSTOMER DRAWING