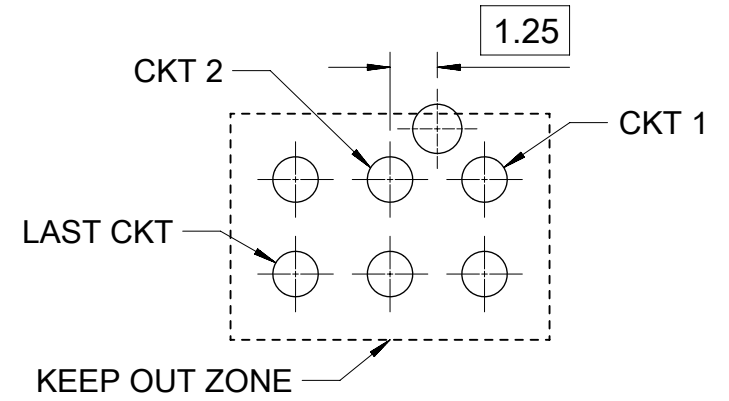
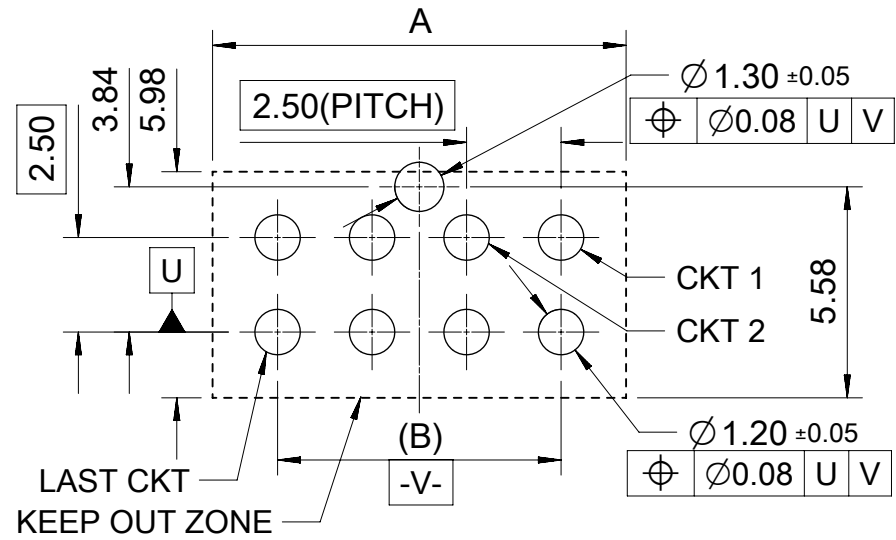
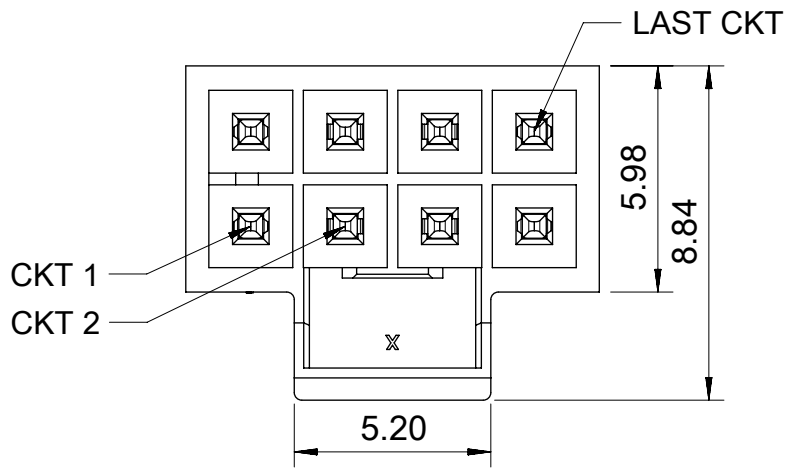
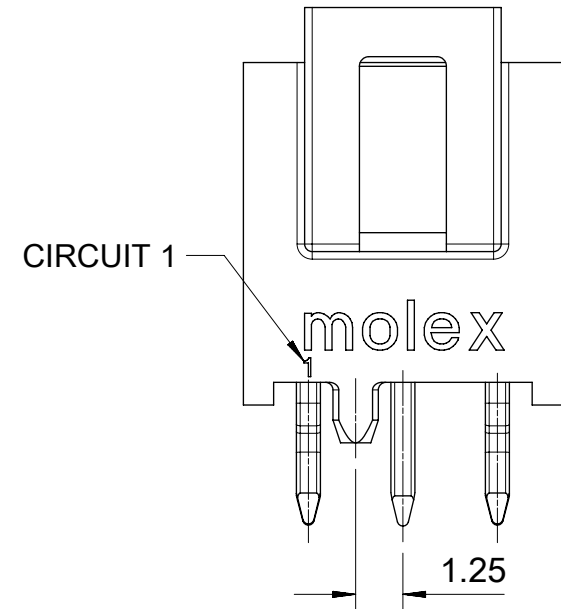
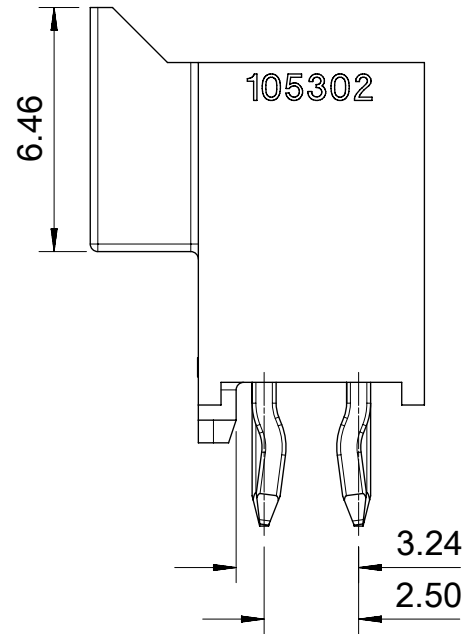
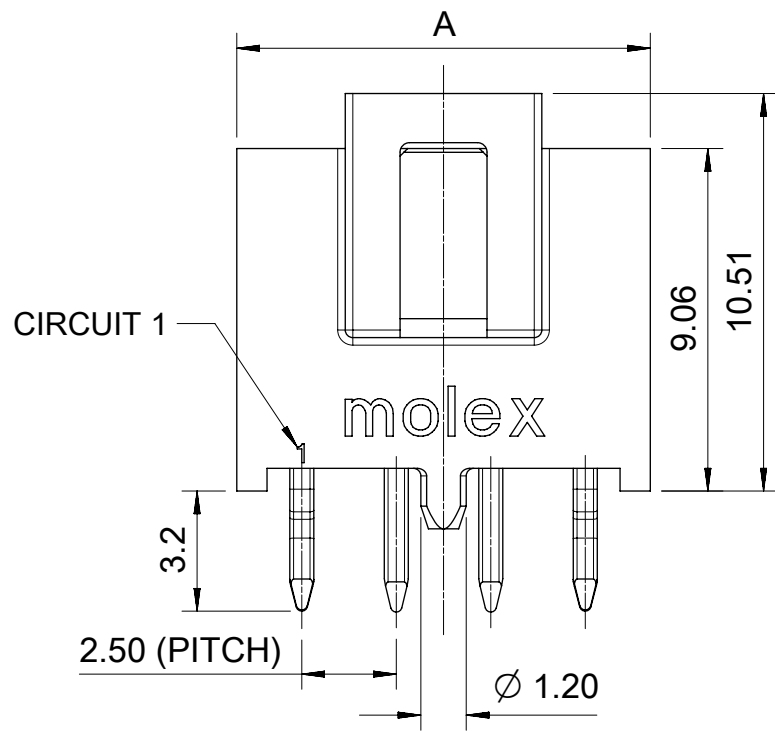
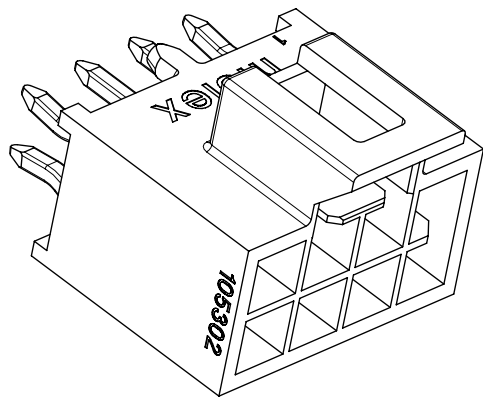


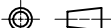


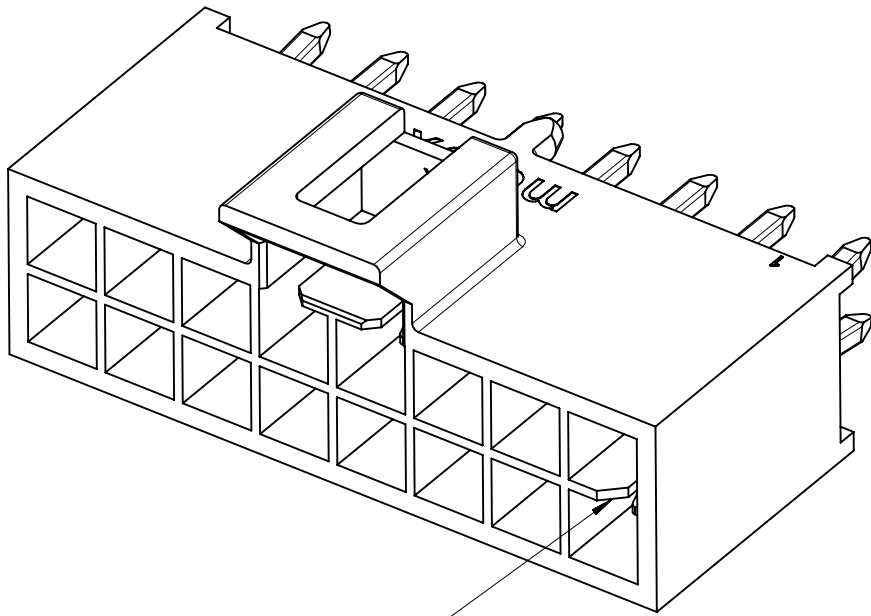
RECOMMENDED PCB(CONNECTOR SIDE VIEW)
THICKNESS=1.6 TO 2.4 MM



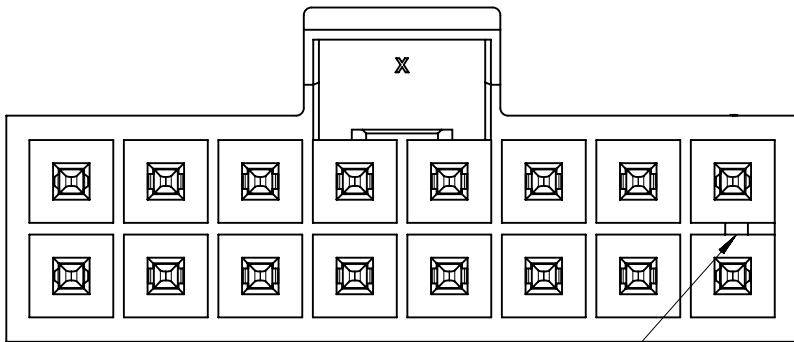
ONLY FOR CKT 6, 10, 14
OTHER DIMENSIONS REFER TO LEFT VIEWS.



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	
mm		5:1							
GENERAL TOLERANCES (UNLESS SPECIFIED)				EC NO: 749038 DRWN: GLLI 2023/05/10 CHK'D: XQZHANG 2023/05/25 APPR: XQZHANG 2023/05/25					
ANGULAR TOL ± 3.0 °									
4 PLACES		±		PRODUCT CUSTOMER DRAWING					
3 PLACES		± 0.1							
2 PLACES		± 0.2		DOCUMENT NUMBER SD-105310-100					
1 PLACE		± 0.3							
0 PLACES		±		DOC TYPE PSD		DOC PART 000		REVISION H1	
INITIAL REVISION:				2015/03/21					
DRWN: GLLI				2015/04/08					
APPR: AYIN									
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION		DRAWING A3-SIZE		SERIES 105310	
						MATERIAL NUMBER		CUSTOMER GENERAL MARKET	
								SHEET NUMBER 1 OF 5	

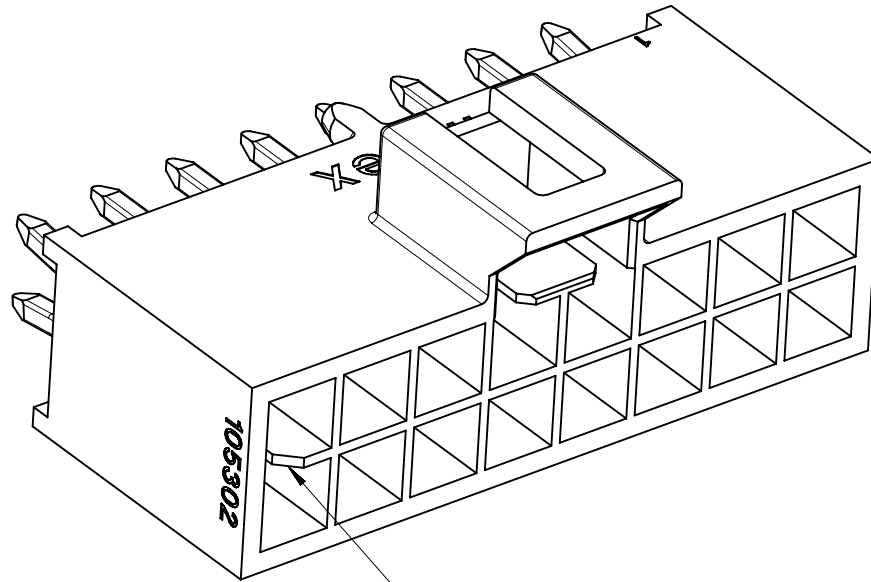


KEY A

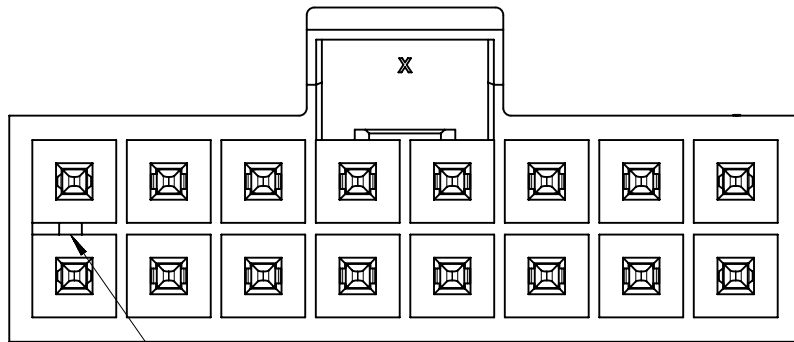


KEY A

BLACK



KEY B



KEY B

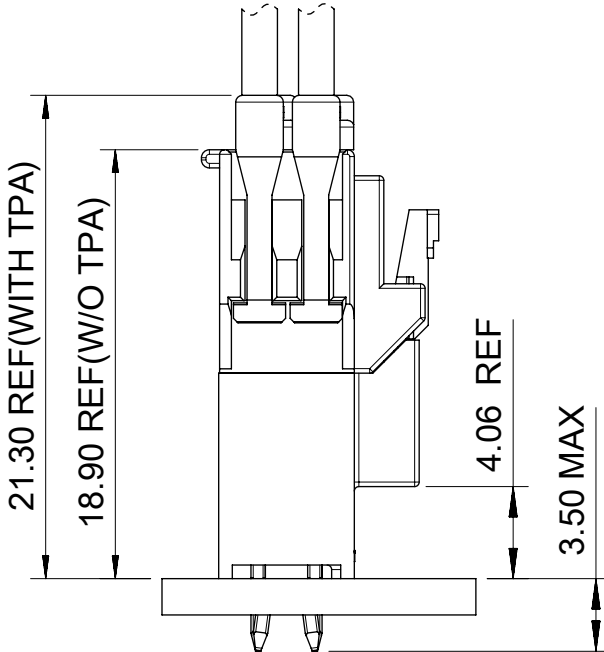
NATURAL

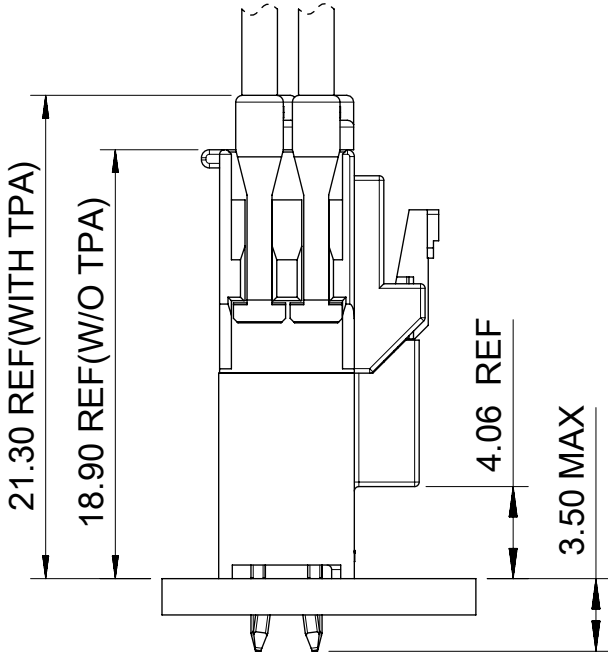
COLOR OPTION

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					
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		±											
EC NO: 749038 DRWN: GLLI 2023/05/10 CHK'D: XQZZHANG 2023/05/25 APPR: XQZZHANG 2023/05/25				HEADER OF NANO-FIT, D/R, KINK, VERTICAL POWER CONNECTOR									
				PRODUCT CUSTOMER DRAWING									
				DOCUMENT NUMBER				DOC TYPE		DOC PART		REVISION	
INITIAL REVISION: DRWN: GLLI 2014/03/21 APPR: AYIN 2015/04/08				SD-105310-100				PSD		000 H1			
				MATERIAL NUMBER		CUSTOMER		SHEET NUMBER					
				THIRD ANGLE PROJECTION		DRAWING		SERIES		GENERAL MARKET 2 OF 5			
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS						A3-SIZE		105310					

DOCUMENT STATUS	P1	RELEASE DATE	2023/05/25	00:11:27
-----------------	----	--------------	------------	----------

FORMAT: master-b-prod-A3
REVISION: J1
DATE: 2021/05/01

10		9		8		7		6		5		4		3		2		1																															
PART NUMBER		DIM 'A'	DIM 'B'	CKT SIZE	PLATING	LUBE	 21.30 REF(WITH TPA) 18.90 REF(W/O TPA) 4.06 REF 3.50 MAX 105310- * * * * CIRCUIT SIZE PLATING OPTION 1 - TIN 2 - GOLD 0.38 3 - GOLD 0.76 4 - GOLD AND LUBE 5 - GOLD 0.025 COLOR OPTION 1 - BLACK 2 - NATURAL										PART NUMBER		DIM 'A'	DIM 'B'	CKT SIZE	PLATING	LUBE																										
105310-1104		5.94	2.50	4	TIN												105310-2104		5.94	2.50	4	TIN																											
105310-1106		8.44	5.00	6													105310-2106		8.44	5.00	6																												
105310-1108		10.94	7.50	8													105310-2108		10.94	7.50	8																												
105310-1110		13.44	10.00	10													105310-2110		13.44	10.00	10																												
105310-1112		15.94	12.50	12													105310-2112		15.94	12.50	12																												
105310-1114		18.44	15.00	14													105310-2114		18.44	15.00	14																												
105310-1116		20.94	17.50	16													105310-2116		20.94	17.50	16																												
105310-1204		5.94	2.50	4	GOLD 0.38	NO											105310-2204		5.94	2.50	4	GOLD 0.38	NO																										
105310-1206		8.44	5.00	6													105310-2206		8.44	5.00	6																												
105310-1208		10.94	7.50	8													105310-2208		10.94	7.50	8																												
105310-1210		13.44	10.00	10													105310-2210		13.44	10.00	10																												
105310-1212		15.94	12.50	12													105310-2212		15.94	12.50	12																												
105310-1214		18.44	15.00	14													105310-2214		18.44	15.00	14																												
105310-1216		20.94	17.50	16													105310-2216		20.94	17.50	16																												
105310-1304		5.94	2.50	4	GOLD 0.76												105310-2304		5.94	2.50	4	GOLD 0.76																											
105310-1306		8.44	5.00	6													105310-2306		8.44	5.00	6																												
105310-1308		10.94	7.50	8													105310-2308		10.94	7.50	8																												
105310-1310		13.44	10.00	10													105310-2310		13.44	10.00	10																												
105310-1312		15.94	12.50	12													105310-2312		15.94	12.50	12																												
105310-1314		18.44	15.00	14			105310-2314		18.44	15.00	14																																						
105310-1316		20.94	17.50	16			105310-2316		20.94	17.50	16																																						
105310-1404		5.94	2.50	4	GOLD 0.76	YES	105310-2404		5.94	2.50	4	GOLD 0.76	YES																																				
105310-1406		8.44	5.00	6			105310-2406		8.44	5.00	6																																						
105310-1408		10.94	7.50	8			105310-2408		10.94	7.50	8																																						
105310-1410		13.44	10.00	10			105310-2410		13.44	10.00	10																																						
105310-1412		15.94	12.50	12			105310-2412		15.94	12.50	12																																						
105310-1414		18.44	15.00	14			105310-2414		18.44	15.00	14																																						
105310-1416		20.94	17.50	16			105310-2416		20.94	17.50	16																																						
COLOR: BLACK						COLOR: NATURAL																																											
PART NUMBER		DIM 'A'	DIM 'B'	CKT SIZE	PLATING	LUBE	PART NUMBER		DIM 'A'	DIM 'B'	CKT SIZE	PLATING	LUBE	<table><tr><td colspan="2">THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION</td></tr><tr><td>DIMENSION UNITS</td><td>SCALE</td></tr><tr><td>mm</td><td>5:1</td></tr><tr><td colspan="2">GENERAL TOLERANCES (UNLESS SPECIFIED)</td></tr><tr><td>ANGULAR TOL</td><td>± 3.0 °</td></tr><tr><td>4 PLACES</td><td>±</td></tr><tr><td>3 PLACES</td><td>± 0.1</td></tr><tr><td>2 PLACES</td><td>± 0.2</td></tr><tr><td>1 PLACE</td><td>± 0.3</td></tr><tr><td>0 PLACES</td><td>±</td></tr><tr><td>DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS</td><td>THIRD ANGLE PROJECTION</td></tr><tr><td></td><td>DRAWING</td></tr><tr><td>A3-SIZE</td><td>SERIES</td></tr><tr><td>105310</td><td>MATERIAL NUMBER</td></tr><tr><td colspan="2">CUSTOMER</td></tr><tr><td colspan="2">SHEET NUMBER</td></tr></table>				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	A3-SIZE	SERIES	105310	MATERIAL NUMBER	CUSTOMER		SHEET NUMBER	
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																																																
A3-SIZE	SERIES																																																
105310	MATERIAL NUMBER																																																
CUSTOMER																																																	
SHEET NUMBER																																																	
105310-1504		5.94	2.50	4	GOLD 0.025	NO	105310-2504		5.94	2.50	4	GOLD 0.025	NO																																				
105310-1506		8.44	5.00	6			105310-2506		8.44	5.00	6																																						
105310-1508		10.94	7.50	8			105310-2508		10.94	7.50	8																																						
105310-1510		13.44	10.00	10			105310-2510		13.44	10.00	10																																						
105310-1512		15.94	12.50	12			105310-2512		15.94	12.50	12																																						
105310-1514		18.44	15.00	14			105310-2514		18.44	15.00	14																																						
105310-1516		20.94	17.50	16			105310-2516		20.94	17.50	16																																						
COLOR: BLACK						COLOR: NATURAL																																											
DOCUMENT STATUS		P1	RELEASE DATE	2023/05/25	00:11:27																																												
10		9		8		7		6		5		4		3		2		1																															



105310- * * * *

CIRCUIT SIZE

PLATING OPTION

1 - TIN

2 - GOLD 0.38

3 - GOLD 0.76

4 - GOLD AND LUBE

5 - GOLD 0.025

COLOR OPTION

1 - BLACK

2 - NATURAL

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	

CURRENT REV DESC:

EC NO: 749038
DRWN: GLLI
CHK'D: XQZHANG
APPR: XQZHANG

INITIAL REVISION:
DRWN: GLLI
APPR: AYIN

THIRD ANGLE PROJECTION

DRAWING

SERIES

MATERIAL NUMBER

CUSTOMER

SHEET NUMBER

2023/05/10
2023/05/25
2023/05/25

2014/03/21
2015/04/08

A3-SIZE

105310

SD-105310-100

GENERAL MARKET

3 OF 5

molex

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

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER

DOC TYPE

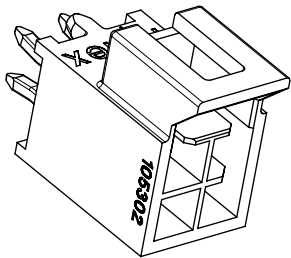
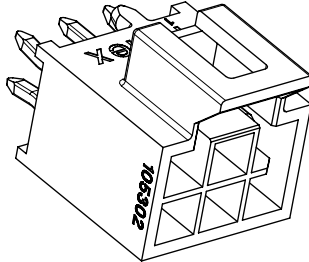
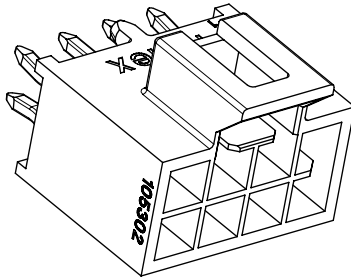
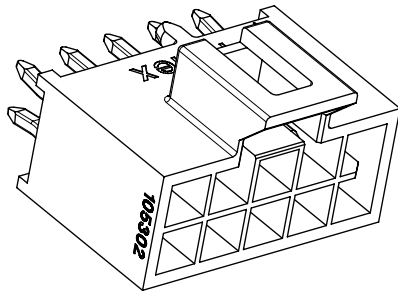
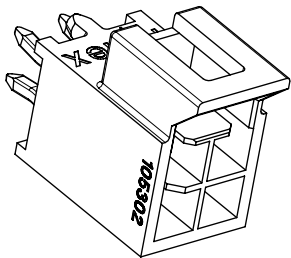
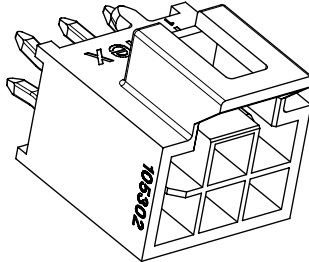
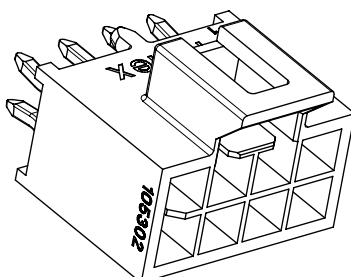
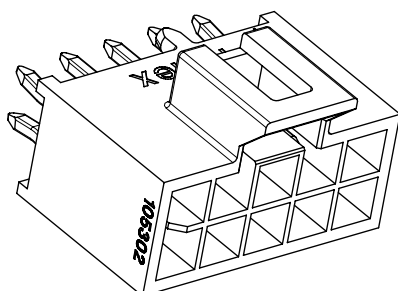
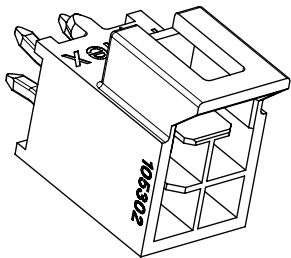
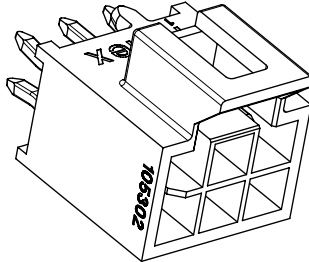
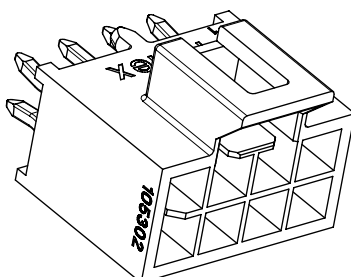
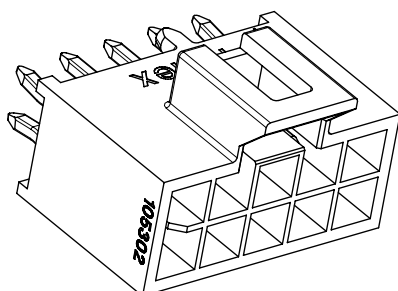
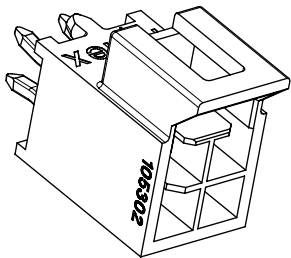
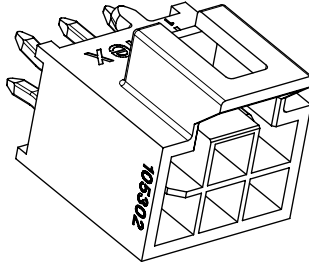
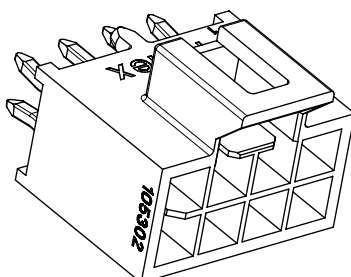
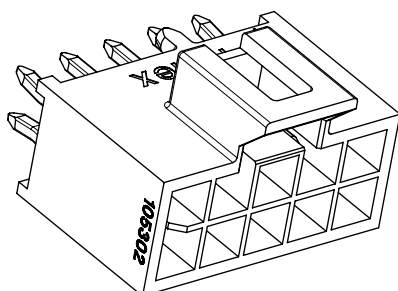
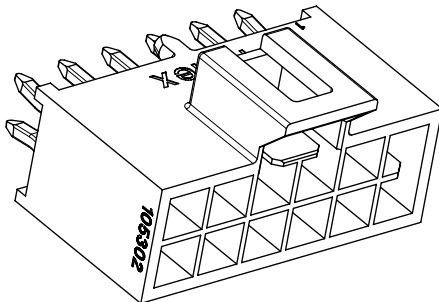
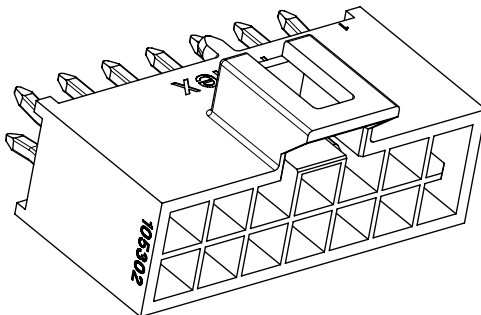
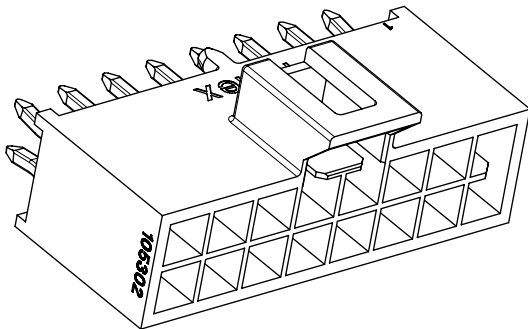
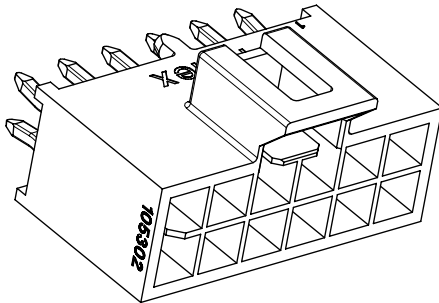
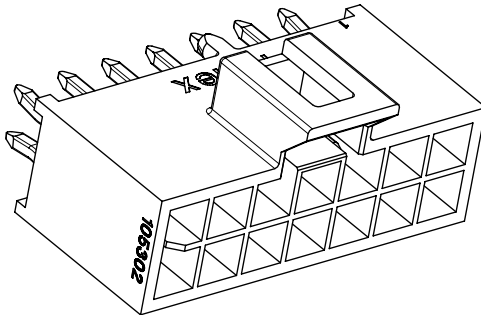
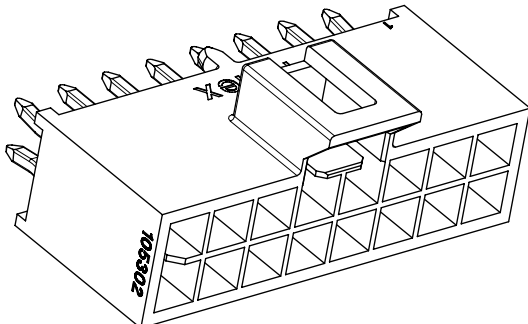
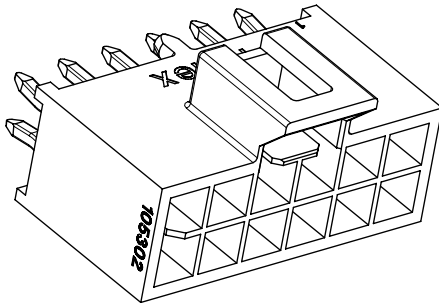
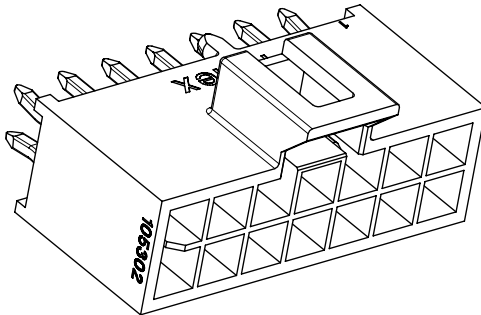
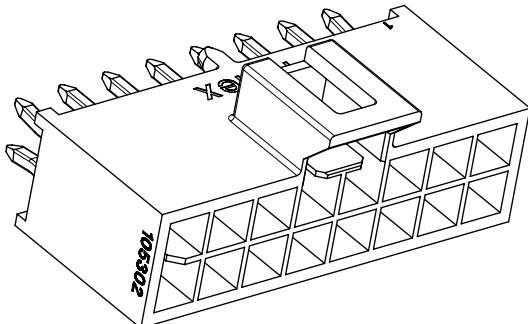
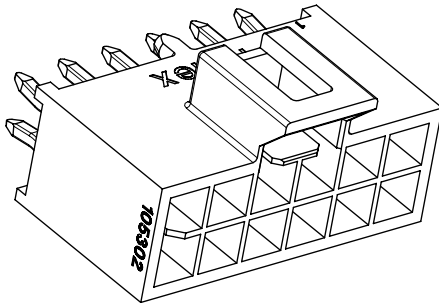
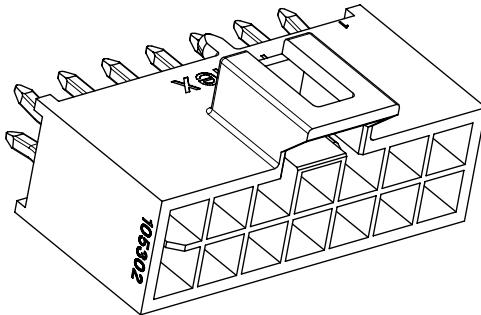
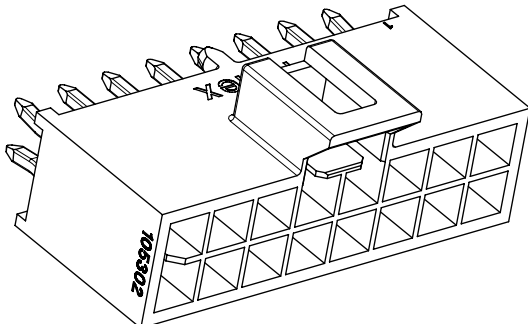
DOC PART

REVISION

PSD

000

H1

10		9		8		7		6		5		4		3		2		1	
F		BLACK										F							
																			
E		NATURAL										E							
																			
D		BLACK								D									
																			
C		NATURAL								C									
																			
B										B									
A										A									

NOTES FOR ALL PARTS

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

2> PLATING FINISHED:
TERMINAL:
CONTACT AREA: a. REFLOWED MATTE TIN 1.5MICRONS MIN;
b. GOLD 0.38 MICRONS MIN;
c. GOLD 0.76 MICRONS MIN.
d. GOLD 0.025 MICRONS MIN.
SOLDER AREA: TIN 1.5 MICRONS MIN, UNDER PLATING NICKEL 1.25 MICRONS MIN.
SOLDER CLIP: TIN 2.5 MICRONS MIN, UNDER PLATING NICKEL 1.25 MICRONS MIN.

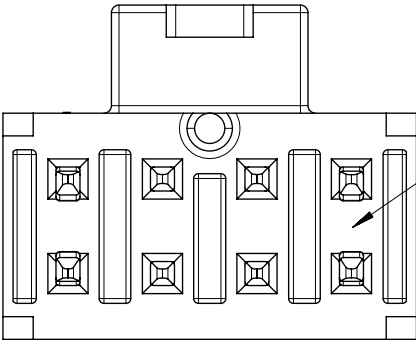
3> PRODUCT SPECIFICATION: PS-105300-100.
- 4> PACKAGE: TRAY, PK-105309-100.

5> ALL COMPONENTS AND PRODUCT COMPLIANT TO RoHS DIRECTIVE 2011/65/EU AND ELV DIRECTIVE 2000/53/EC.

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

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

8> 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.

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			
mm		1:1								
GENERAL TOLERANCES (UNLESS SPECIFIED)							EC NO: 749038 DRWN: GLLI 2023/05/10 CHK'D: XQZHANG 2023/05/25 APPR: XQZHANG 2023/05/25			HEADER OF NANO-FIT, D/R, KINK, VERTICAL POWER CONNECTOR
ANGULAR TOL ± 3.0 °				PRODUCT CUSTOMER DRAWING						
4 PLACES		±								DOCUMENT NUMBER SD-105310-100 DOC TYPE PSD DOC PART 000 REVISION H1
3 PLACES		± 0.1								
2 PLACES		± 0.2								
1 PLACE		± 0.3								
0 PLACES		±		INITIAL REVISION: DRWN: GLLI 2014/03/21 APPR: AYIN 2015/04/08			MATERIAL NUMBER GENERAL MARKET CUSTOMER GENERAL MARKET SHEET NUMBER 5 OF 5			
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS										
THIRD ANGLE PROJECTION			DRAWING	SERIES						
			A3-SIZE	105310						