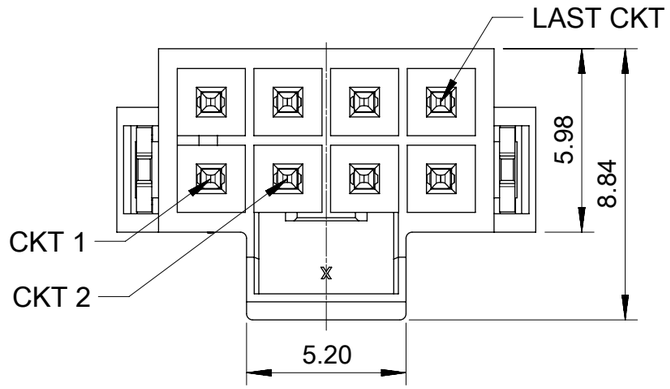
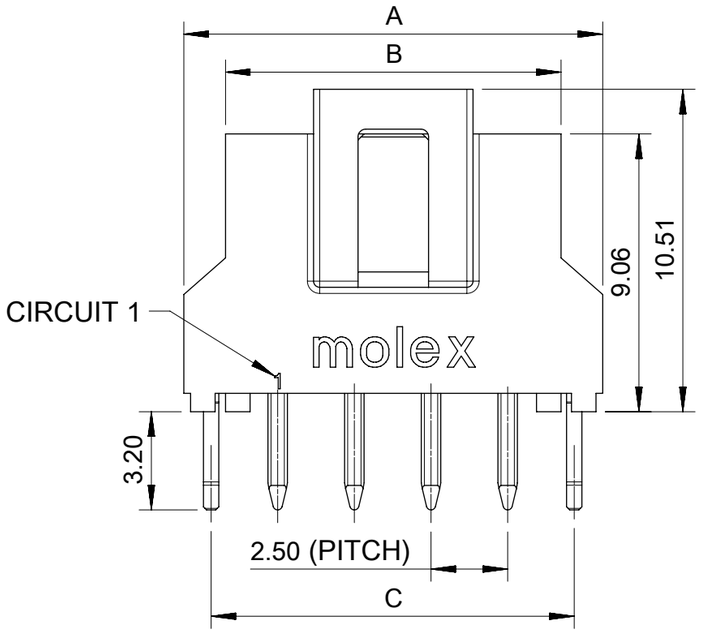
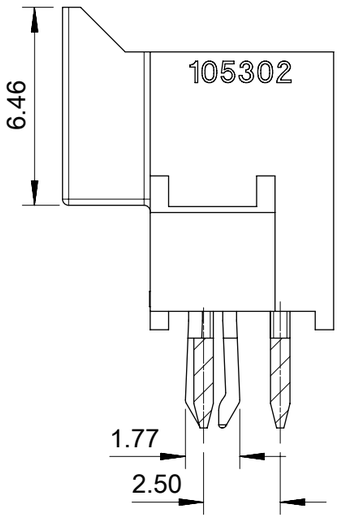
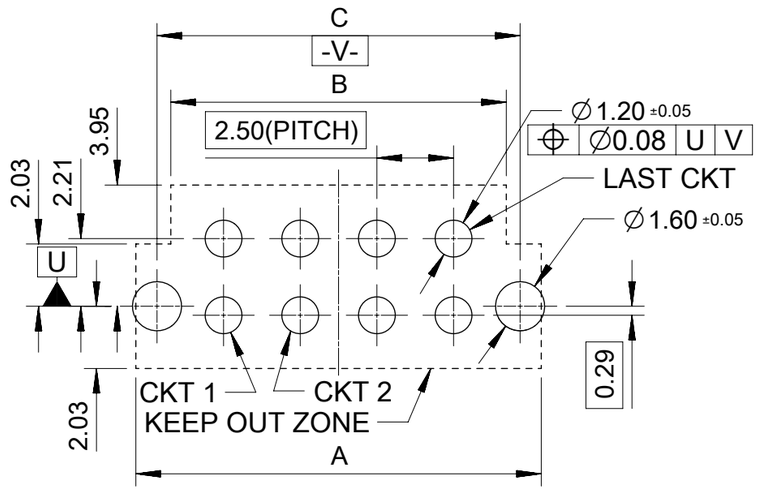
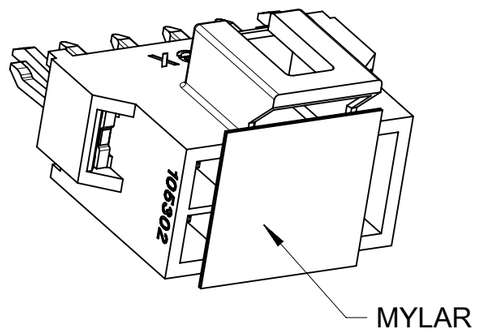








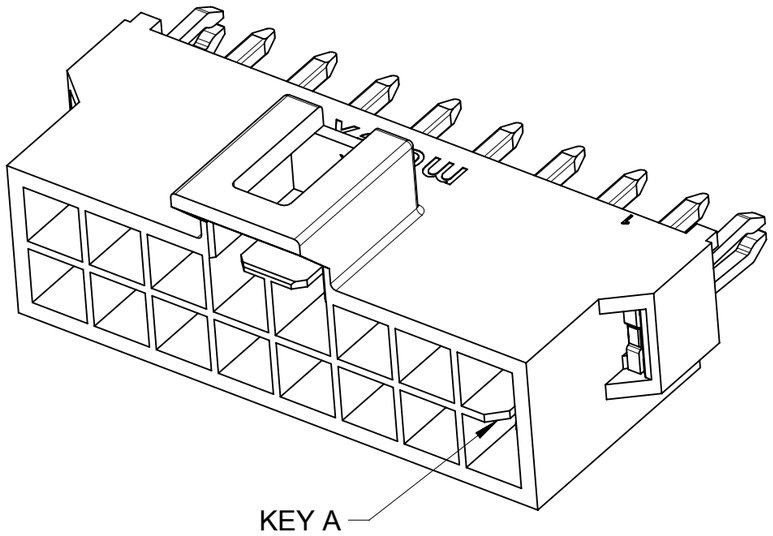
RECOMMENDED PCB(CONNECTOR SIDE VIEW)
THICKNESS=1.6 TO 2.4 MM

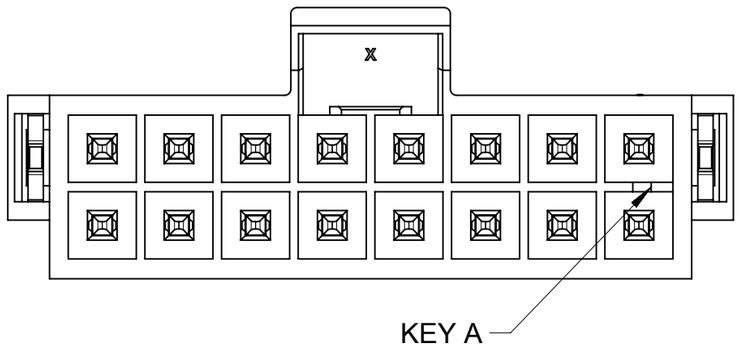


DOCUMENT STATUS	P1	RELEASE DATE	2022/02/25 03:08:44						

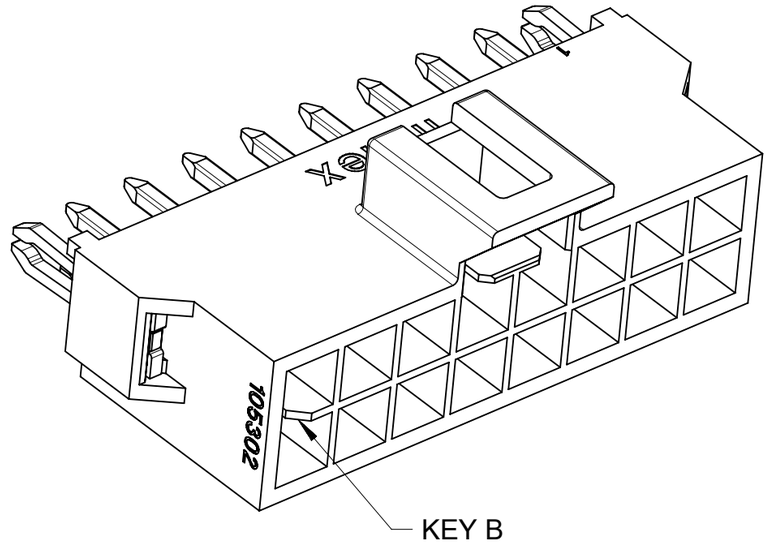
FORMAT: master-lb-prod-A3
REVISION: J
DATE: 2020/01/14

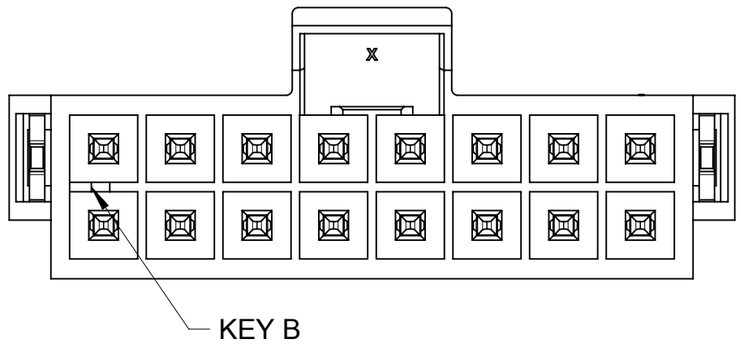
FUNCTIONAL SYMBOLS: FA = 0; FC = 0; FD = 0	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION								
DIVISIONAL SYMBOLS	DIMENSION UNITS: mm	SCALE: 5:1	CURRENT REV DESC:			molex			
	GENERAL TOLERANCES (UNLESS SPECIFIED)					HEADER OF NANO-FIT, D/R, CLIP, VERTICAL POWER CONNECTOR			
	ANGULAR TOL ± 3.0 °		EC NO: 697101						
	4 PLACES ±		DRWN: GLLI 2022/02/24			PRODUCT CUSTOMER DRAWING			
	3 PLACES ± 0.1		CHK'D: XQZHANG 2022/02/25			DOCUMENT NUMBER: 1053121000-SD	DOC TYPE: PSD	DOC PART: 000	REVISION: B1
	2 PLACES ± 0.2		APPR: XQZHANG 2022/02/25						
	1 PLACE ± 0.3		INITIAL REVISION:						
	0 PLACES ±		DRWN: GLLI 2019/09/24						
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		APPR: YXZHENG 2020/03/16						
	THIRD ANGLE PROJECTION	DRAWING: A3-SIZE	SERIES: 105312	MATERIAL NUMBER	CUSTOMER: GENERAL MARKET	SHEET NUMBER: 1 OF 5			





BLACK





NATURAL

COLOR OPTION

DOCUMENT STATUS	P1	RELEASE DATE	2022/02/25 03:08:44						

FORMAT: master-tb-prod-A3
REVISION: J
DATE: 2020/01/14

9	8	7	6	5	4	3	2	1	

FUNCTIONAL SYMBOLS
FA = 0
FC = 0
FP = 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

CURRENT REV DESC:

EC NO: 697101
DRWN: GLLI 2022/02/24
CHK'D: XQZHANG 2022/02/25
APPR: XQZHANG 2022/02/25

INITIAL REVISION:
DRWN: GLLI 2019/09/24
APPR: YXZHENG 2020/03/16

THIRD ANGLE PROJECTION | DRAWING: A3-SIZE | SERIES: 105312

molex

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

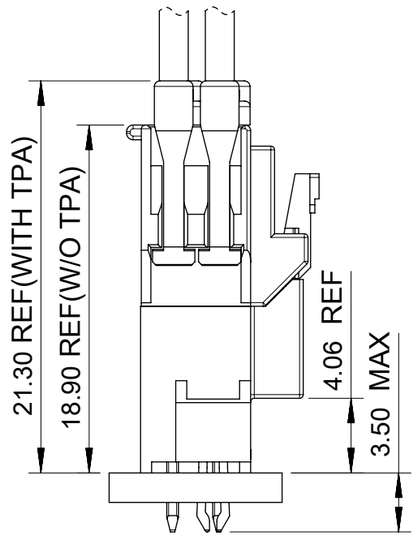
PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
1053121000-SD	PSD	000	B1

MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
	GENERAL MARKET	2 OF 5

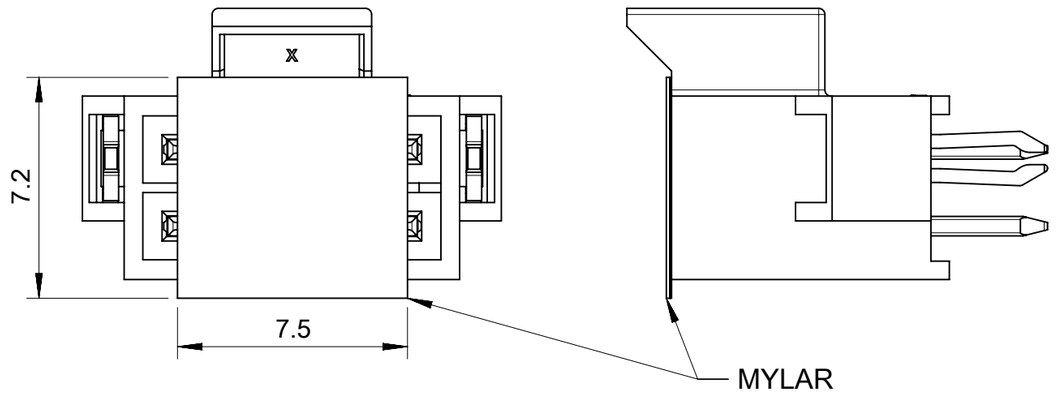
PART NUMBER	DIM 'A'	DIM 'B'	DIM 'C'	CKT SIZE	PLATING	MYLAR
105312-3504	8.66	5.94	6.84	4	TIN	YES
105312-3506	11.16	8.44	9.34	6		
105312-3508	13.66	10.94	11.84	8		
105312-3510	16.16	13.44	14.34	10		
105312-3512	18.66	15.94	16.84	12		
105312-3514	21.16	18.44	19.34	14		
105312-3516	23.66	20.94	21.84	16		
105312-3704	8.66	5.94	6.84	4	GOLD 0.38	
105312-3706	11.16	8.44	9.34	6		
105312-3708	13.66	10.94	11.84	8		
105312-3710	16.16	13.44	14.34	10		
105312-3712	18.66	15.94	16.84	12		
105312-3714	21.16	18.44	19.34	14		
105312-3716	23.66	20.94	21.84	16		
105312-3604	8.66	5.94	6.84	4	GOLD 0.76	
105312-3606	11.16	8.44	9.34	6		
105312-3608	13.66	10.94	11.84	8		
105312-3610	16.16	13.44	14.34	10		
105312-3612	18.66	15.94	16.84	12		
105312-3614	21.16	18.44	19.34	14		
105312-3616	23.66	20.94	21.84	16		
105312-3804	8.66	5.94	6.84	4	GOLD 0.76 + LUBE	
105312-3806	11.16	8.44	9.34	6		
105312-3808	13.66	10.94	11.84	8		
105312-3810	16.16	13.44	14.34	10		
105312-3812	18.66	15.94	16.84	12		
105312-3814	21.16	18.44	19.34	14		
105312-3816	23.66	20.94	21.84	16		

COLOR: BLACK



PART NUMBER	DIM 'A'	DIM 'B'	DIM 'C'	CKT SIZE	PLATING	MYLAR
105312-4504	8.66	5.94	6.84	4	TIN	YES
105312-4506	11.16	8.44	9.34	6		
105312-4508	13.66	10.94	11.84	8		
105312-4510	16.16	13.44	14.34	10		
105312-4512	18.66	15.94	16.84	12		
105312-4514	21.16	18.44	19.34	14		
105312-4516	23.66	20.94	21.84	16		
105312-4704	8.66	5.94	6.84	4	GOLD 0.38	
105312-4706	11.16	8.44	9.34	6		
105312-4708	13.66	10.94	11.84	8		
105312-4710	16.16	13.44	14.34	10		
105312-4712	18.66	15.94	16.84	12		
105312-4714	21.16	18.44	19.34	14		
105312-4716	23.66	20.94	21.84	16		
105312-4604	8.66	5.94	6.84	4	GOLD 0.76	
105312-4606	11.16	8.44	9.34	6		
105312-4608	13.66	10.94	11.84	8		
105312-4610	16.16	13.44	14.34	10		
105312-4612	18.66	15.94	16.84	12		
105312-4614	21.16	18.44	19.34	14		
105312-4616	23.66	20.94	21.84	16		
105312-4804	8.66	5.94	6.84	4	GOLD 0.76 + LUBE	
105312-4806	11.16	8.44	9.34	6		
105312-4808	13.66	10.94	11.84	8		
105312-4810	16.16	13.44	14.34	10		
105312-4812	18.66	15.94	16.84	12		
105312-4814	21.16	18.44	19.34	14		
105312-4816	23.66	20.94	21.84	16		

COLOR: NATURAL



DOCUMENT STATUS	P1	RELEASE DATE	2022/02/25 03:08:44

FORMAT: master-tb-prod-A3
REVISION: J
DATE: 2020/01/14

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

FUNCTIONAL SYMBOLS: FA = 0; FC = 0; FP = 0

DIVISIONAL SYMBOLS

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: 697101
DRWN: GLLI 2022/02/24
CHK'D: XQZHANG 2022/02/25
APPR: XQZHANG 2022/02/25

INITIAL REVISION:
DRWN: GLLI 2019/09/24
APPR: YXZHENG 2020/03/16

THIRD ANGLE PROJECTION | DRAWING: A3-SIZE | SERIES: 105312

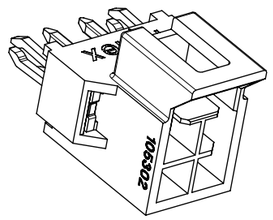
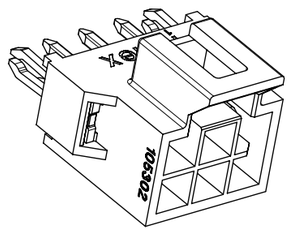
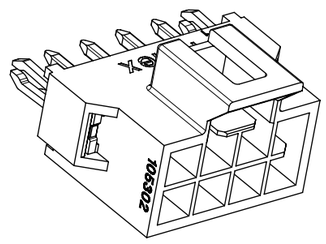
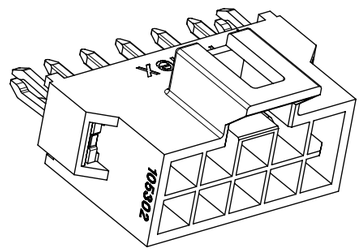
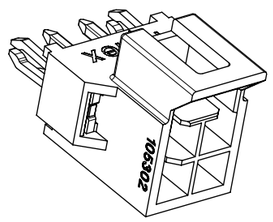
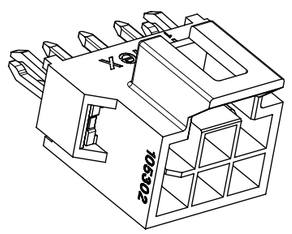
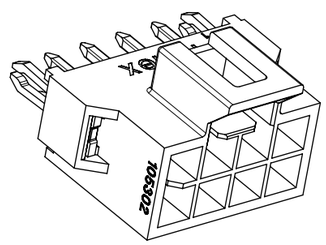
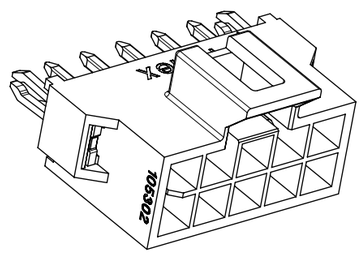
molex

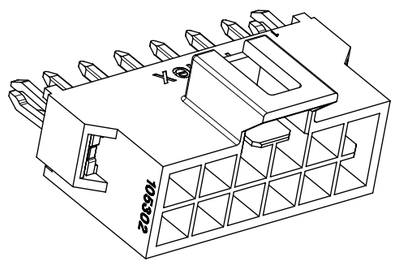
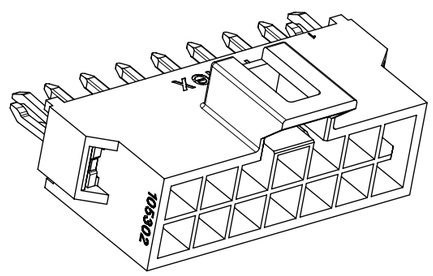
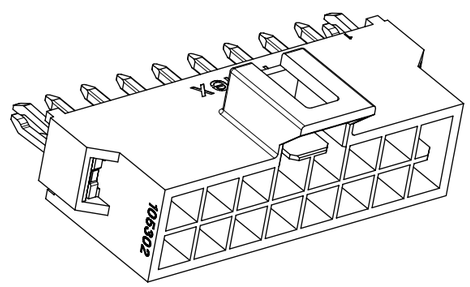
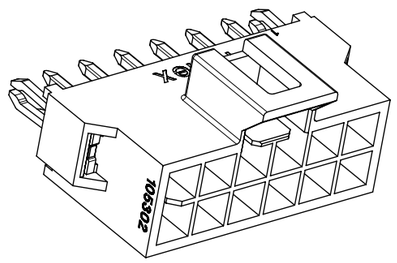
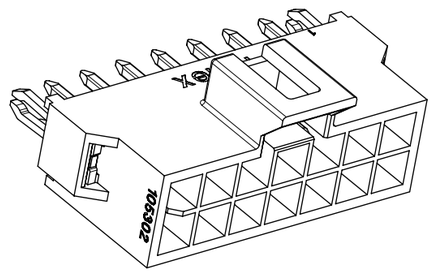
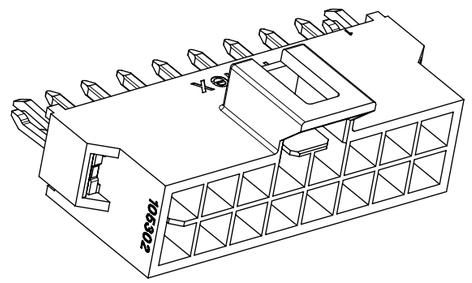
HEADER OF NANO-FIT, D/R, CLIP, VERTICAL POWER CONNECTOR

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
1053121000-SD	PSD	000	B1

MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
	GENERAL MARKET	3 OF 5

	4 CKT	6 CKT	8 CKT	10 CKT
BLACK				
NATURAL				

	12 CKT	14 CKT	16 CKT
BLACK			
NATURAL			

FUNCTIONAL SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		
FA = 0	DIMENSION UNITS: mm	SCALE: 3:1	CURRENT REV DESC:
FC = 0	GENERAL TOLERANCES (UNLESS SPECIFIED)		
FP = 0	ANGULAR TOL ± 3.0 °		EC NO: 697101
DIVISIONAL SYMBOLS	4 PLACES ±		DRWN: GLLI 2022/02/24
	3 PLACES ± 0.1		CHK'D: XQZHANG 2022/02/25
	2 PLACES ± 0.2		APPR: XQZHANG 2022/02/25
	1 PLACE ± 0.3		INITIAL REVISION:
	0 PLACES ±		DRWN: GLLI 2019/09/24
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		APPR: YXZHENG 2020/03/16

molex

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

PRODUCT CUSTOMER DRAWING

THIRD ANGLE PROJECTION	DRAWING	SERIES
	A3-SIZE	105312

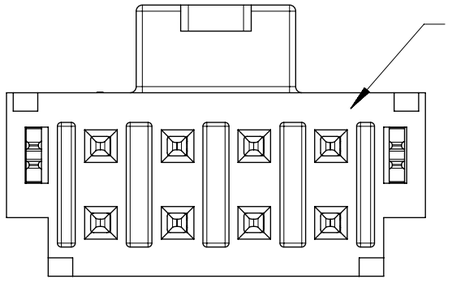
DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
1053121000-SD	PSD	000	B1

MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
	GENERAL MARKET	4 OF 5

DOCUMENT STATUS	P1	RELEASE DATE	2022/02/25 03:08:44

FORMAT: master-tb-prod-A3
REVISION: J
DATE: 2020/01/14

NOTES FOR ALL PARTS	
1> MATERIAL: HOUSING: LCP, UL 94V-0. TERMINAL: BRASS. SOLDER CLIP: 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. SOLDER CLIP: MATTE TIN 2.5 MICRONS MIN, UNDER PLATING NICKEL 1.25 MICRONS MIN.	3> PRODUCT SPECIFICATION: PS-105300-100. 4> PACKAGE: TAPE REEL, 1053121000-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.

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

FUNCTIONAL SYMBOLS
FA = 0
FC = 0
FP = 0
DIVISIONAL SYMBOLS

DIMENSION UNITS	SCALE
mm	1:1

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: 697101
DRWN: GLLI 2022/02/24
CHK'D: XQZHANG 2022/02/25
APPR: XQZHANG 2022/02/25

INITIAL REVISION:
DRWN: GLLI 2019/09/24
APPR: YXZHENG 2020/03/16

molex

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

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
1053121000-SD	PSD	000	B1

THIRD ANGLE PROJECTION	DRAWING	SERIES
	A3-SIZE	105312

MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
	GENERAL MARKET	5 OF 5

DOCUMENT STATUS	P1	RELEASE DATE	2022/02/25 03:08:44

FORMAT: master-lb-prod-A3
REVISION: J
DATE: 2020/01/14

Unikeyic Electronics

Global Electronic Components Distributor

Click to view pricing, inventory, delivery, and lifecycle information:

molex:

760475001 151670255 397730002 417920538 0190690033 152670269 430451220 447642001
459705185 190990009 190670071 190690096 190990010 444280402 0436802002 430450225
759001161 0190700155 439151216 152660117 0436400901 151660057 152670251 190730231
398800403 436803002 447691602 152670357 447641402 5046940301