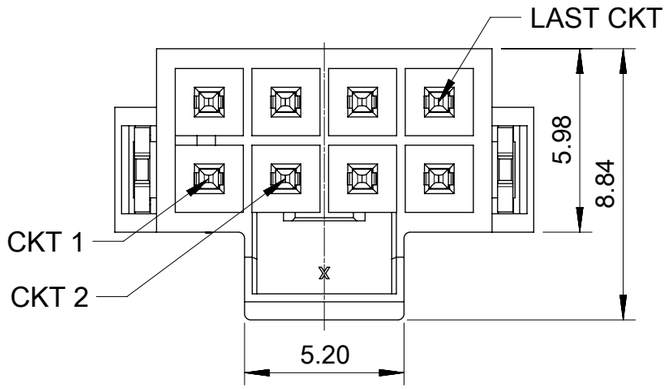
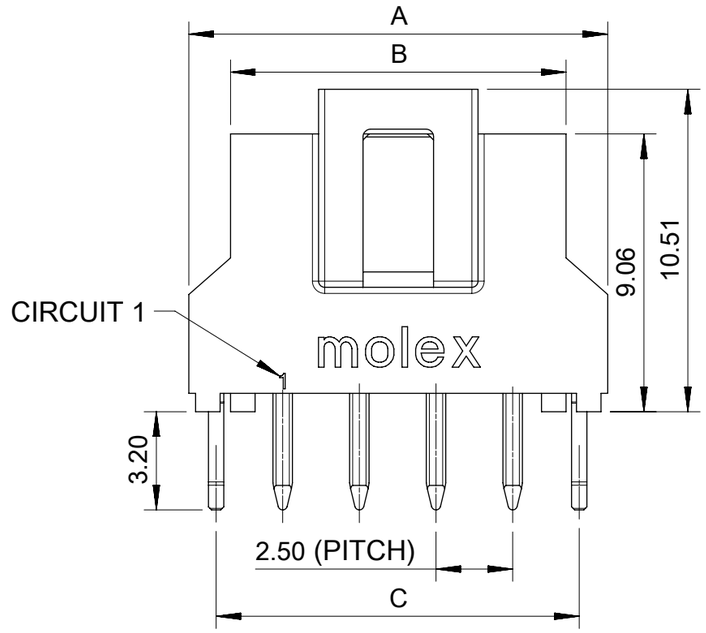
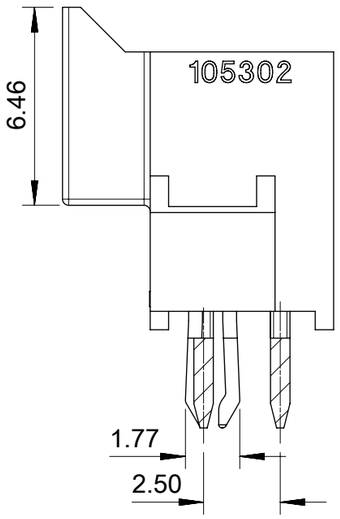
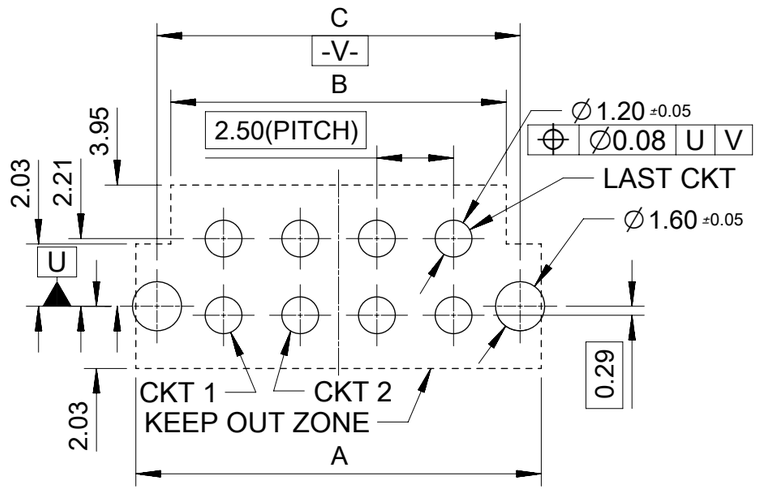
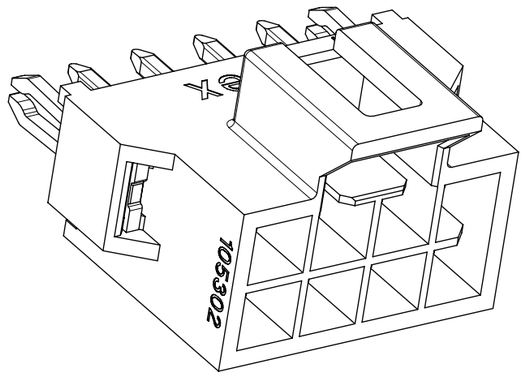








RECOMMENDED PCB(CONNECTOR SIDE VIEW)
THICKNESS=1.6 TO 2.4 MM



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

DIMENSION UNITS	SCALE
mm	NTS

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: 826596
DRWN: LEOW 2025/06/24
CHK'D: XQZHANG 2025/06/26
APPR: XQZHANG 2025/06/26

INITIAL REVISION:
DRWN: GLLI 2014/07/16
APPR: AYIN 2015/04/08

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

molex

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

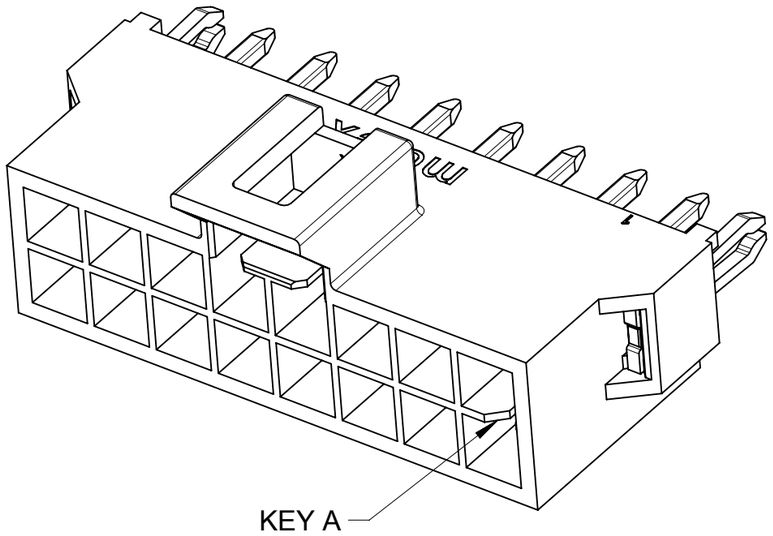
PRODUCT CUSTOMER DRAWING

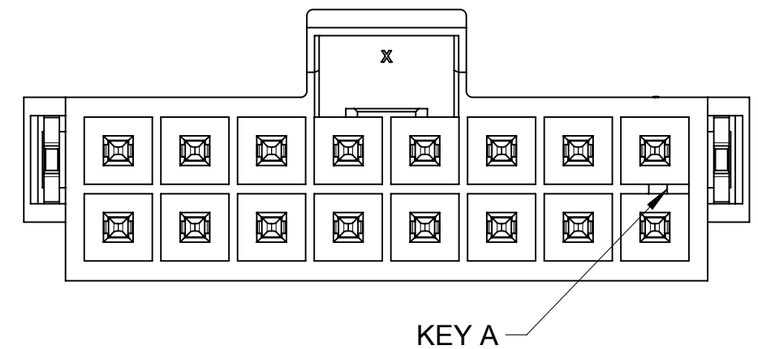
DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
SD-105312-100	PSD	000	G1

MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
	GENERAL MARKET	1 OF 5

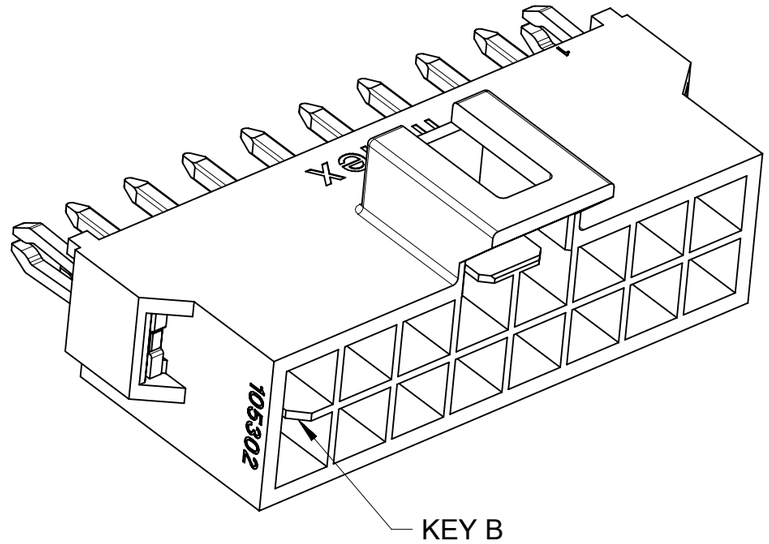
DOCUMENT STATUS	P1	RELEASE DATE	2025/06/26 09:45:42

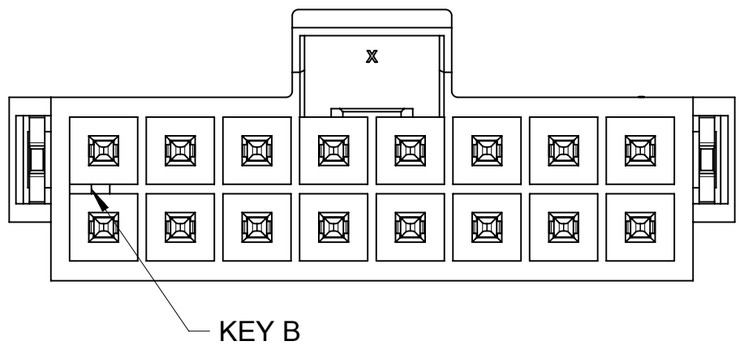
FORMAT: master-lb-prod-A3
REVISION: J1
DATE: 2021/05/01





BLACK





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	mm
SCALE	NTS
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: 826596
DRWN: LEOW 2025/06/24
CHK'D: XQZHANG 2025/06/26
APPR: XQZHANG 2025/06/26

INITIAL REVISION:
DRWN: GLLI 2014/07/16
APPR: AYIN 2015/04/08

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
SD-105312-100	PSD	000	G1

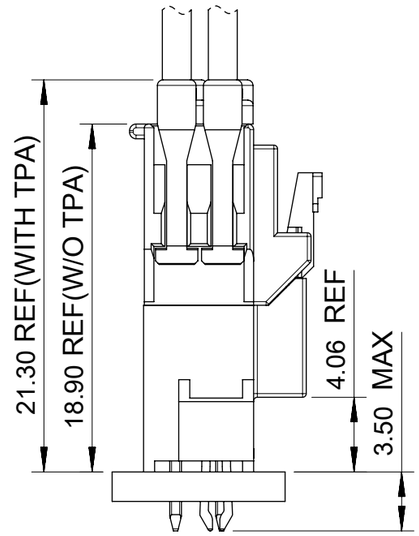
MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
	GENERAL MARKET	2 OF 5

DOCUMENT STATUS	P1	RELEASE DATE	2025/06/26 09:45:42

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

PART NUMBER	DIM 'A'	DIM 'B'	DIM 'C'	CKT SIZE	PLATING	LUBE
105312-1104	8.66	5.94	6.84	4	TIN	NO
105312-1106	11.16	8.44	9.34	6		
105312-1108	13.66	10.94	11.84	8		
105312-1110	16.16	13.44	14.34	10		
105312-1112	18.66	15.94	16.84	12		
105312-1114	21.16	18.44	19.34	14		
105312-1116	23.66	20.94	21.84	16		
105312-1204	8.66	5.94	6.84	4	GOLD 0.38	
105312-1206	11.16	8.44	9.34	6		
105312-1208	13.66	10.94	11.84	8		
105312-1210	16.16	13.44	14.34	10		
105312-1212	18.66	15.94	16.84	12		
105312-1214	21.16	18.44	19.34	14		
105312-1216	23.66	20.94	21.84	16		
105312-1304	8.66	5.94	6.84	4	GOLD 0.76	
105312-1306	11.16	8.44	9.34	6		
105312-1308	13.66	10.94	11.84	8		
105312-1310	16.16	13.44	14.34	10		
105312-1312	18.66	15.94	16.84	12		
105312-1314	21.16	18.44	19.34	14		
105312-1316	23.66	20.94	21.84	16		
105312-1404	8.66	5.94	6.84	4	GOLD 0.76	YES
105312-1406	11.16	8.44	9.34	6		
105312-1408	13.66	10.94	11.84	8		
105312-1410	16.16	13.44	14.34	10		
105312-1412	18.66	15.94	16.84	12		
105312-1414	21.16	18.44	19.34	14		
105312-1416	23.66	20.94	21.84	16		

COLOR: BLACK



105312- * * * *

- CIRCUIT SIZE
- PLATING OPTION
  - 1 - TIN
  - 2 - GOLD 0.38
  - 3 - GOLD 0.76
  - 4 - GOLD AND LUBE
- COLOR OPTION
  - 1 - BLACK
  - 2 - NATURAL

PART NUMBER	DIM 'A'	DIM 'B'	DIM 'C'	CKT SIZE	PLATING	LUBE
105312-2104	8.66	5.94	6.84	4	TIN	NO
105312-2106	11.16	8.44	9.34	6		
105312-2108	13.66	10.94	11.84	8		
105312-2110	16.16	13.44	14.34	10		
105312-2112	18.66	15.94	16.84	12		
105312-2114	21.16	18.44	19.34	14		
105312-2116	23.66	20.94	21.84	16		
105312-2204	8.66	5.94	6.84	4	GOLD 0.38	
105312-2206	11.16	8.44	9.34	6		
105312-2208	13.66	10.94	11.84	8		
105312-2210	16.16	13.44	14.34	10		
105312-2212	18.66	15.94	16.84	12		
105312-2214	21.16	18.44	19.34	14		
105312-2216	23.66	20.94	21.84	16		
105312-2304	8.66	5.94	6.84	4	GOLD 0.76	
105312-2306	11.16	8.44	9.34	6		
105312-2308	13.66	10.94	11.84	8		
105312-2310	16.16	13.44	14.34	10		
105312-2312	18.66	15.94	16.84	12		
105312-2314	21.16	18.44	19.34	14		
105312-2316	23.66	20.94	21.84	16		
105312-2404	8.66	5.94	6.84	4	GOLD 0.76	YES
105312-2406	11.16	8.44	9.34	6		
105312-2408	13.66	10.94	11.84	8		
105312-2410	16.16	13.44	14.34	10		
105312-2412	18.66	15.94	16.84	12		
105312-2414	21.16	18.44	19.34	14		
105312-2416	23.66	20.94	21.84	16		

COLOR: 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	NTS

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: 826596
DRWN: LEOW 2025/06/24
CHK'D: XQZHANG 2025/06/26
APPR: XQZHANG 2025/06/26

INITIAL REVISION:
DRWN: GLLI 2014/07/16
APPR: AYIN 2015/04/08

molex

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

PRODUCT CUSTOMER DRAWING

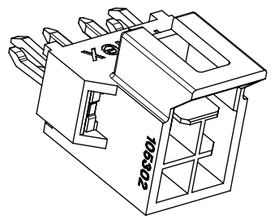
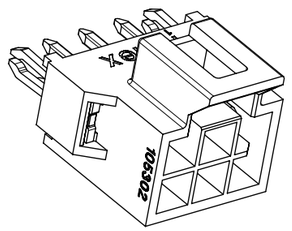
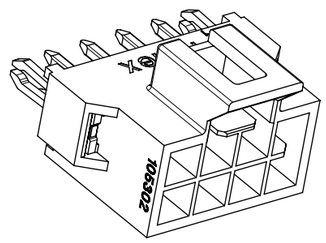
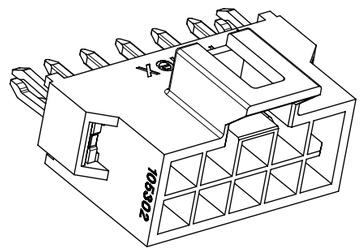
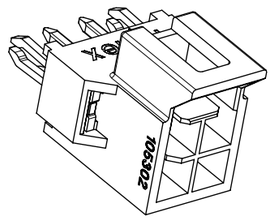
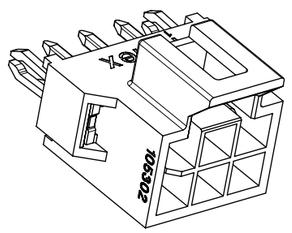
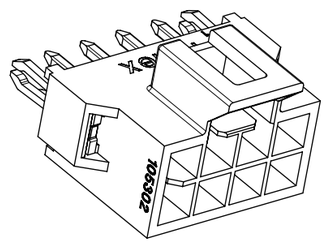
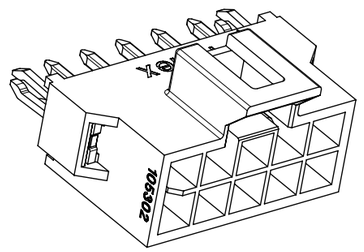
DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
SD-105312-100	PSD	000	G1

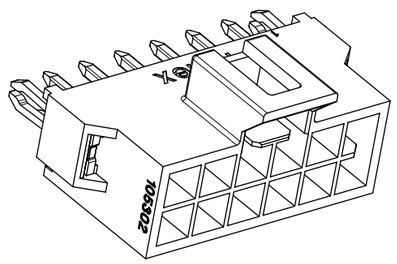
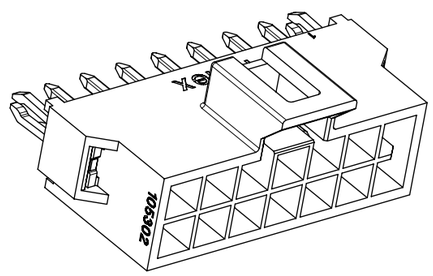
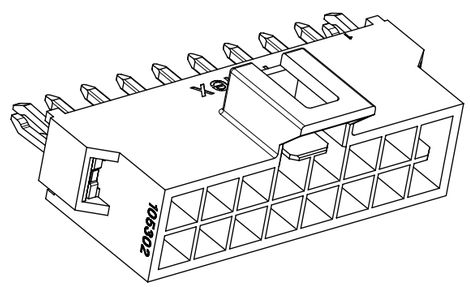
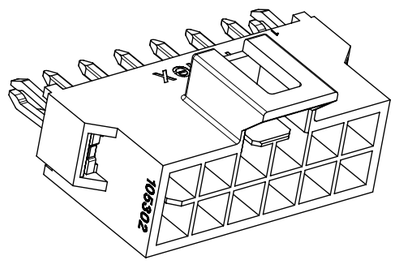
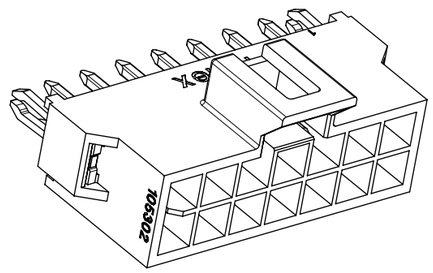
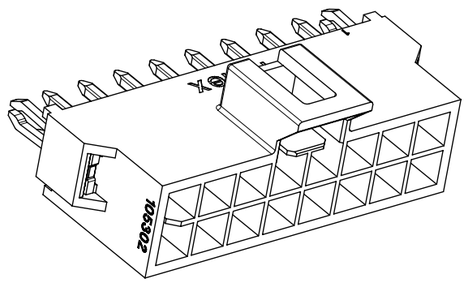
THIRD ANGLE PROJECTION	DRAWING	SERIES
	A3-SIZE	105312

MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
	GENERAL MARKET	3 OF 5

DOCUMENT STATUS	P1	RELEASE DATE	2025/06/26 09:45:42

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

	4 CKT	6 CKT	8 CKT	10 CKT
BLACK				
NATURAL				

	12 CKT	14 CKT	16 CKT
BLACK			
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	NTS

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: 826596
DRWN: LEOW 2025/06/24
CHK'D: XQZHANG 2025/06/26
APPR: XQZHANG 2025/06/26

INITIAL REVISION:
DRWN: GLLI 2014/07/16
APPR: AYIN 2015/04/08

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

molex

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

PRODUCT CUSTOMER DRAWING

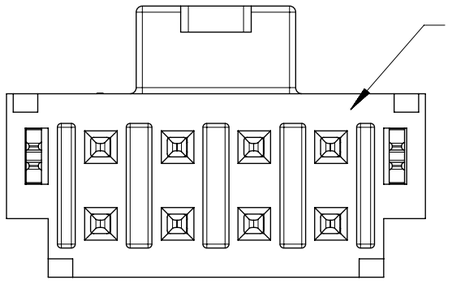
DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
SD-105312-100	PSD	000	G1

MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
	GENERAL MARKET	4 OF 5

DOCUMENT STATUS	P1	RELEASE DATE	2025/06/26 09:45:42

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

NOTES FOR ALL PARTS	
1> MATERIAL: HOUSING: LCP, UL 94V-0. TERMINAL: BRASS. SOLDER CLIP: 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. 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> PRODUCT MATE WITH SERIES OF 105308 AND 226362(RECEPTACLE). 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

DIMENSION UNITS	SCALE
mm	NTS

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: 826596
DRWN: LEOW 2025/06/24
CHK'D: XQZHANG 2025/06/26
APPR: XQZHANG 2025/06/26

INITIAL REVISION:
DRWN: GLLI 2014/07/16
APPR: AYIN 2015/04/08

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
SD-105312-100	PSD	000	G1

MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
	GENERAL MARKET	5 OF 5

DOCUMENT STATUS	P1	RELEASE DATE	2025/06/26 09:45:42

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