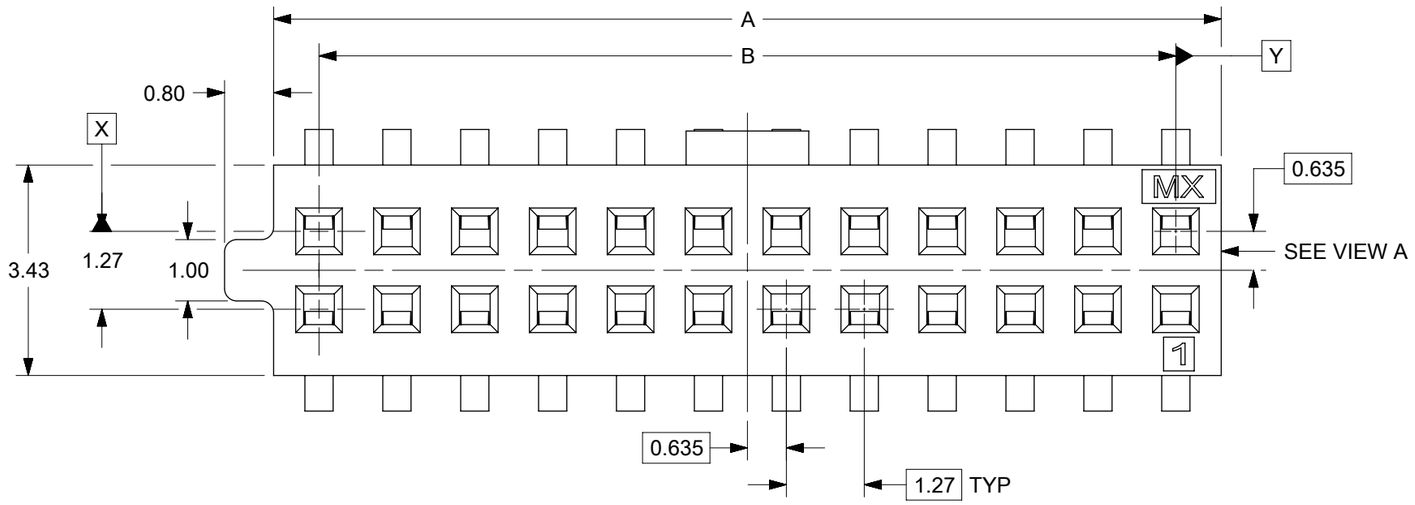
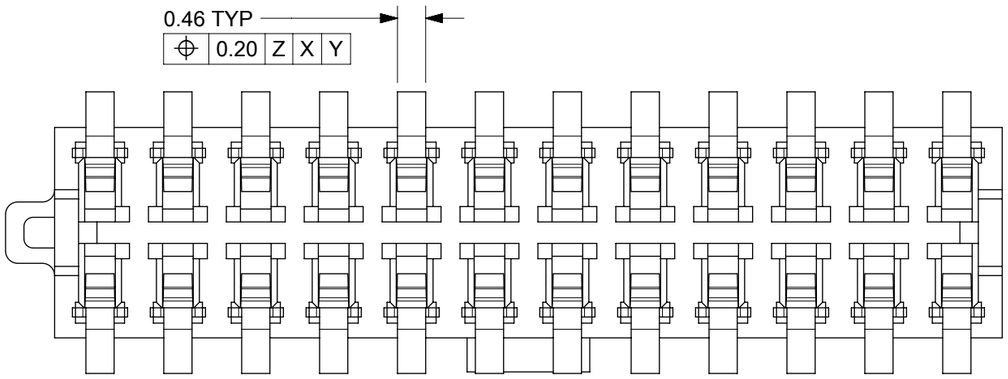
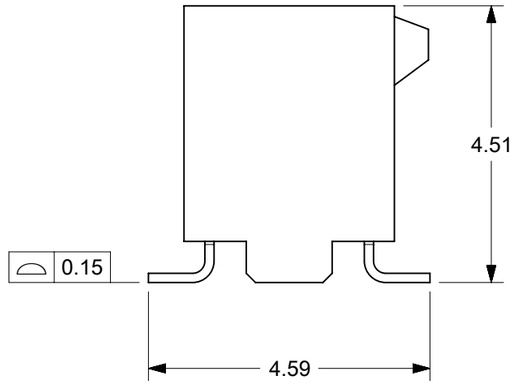
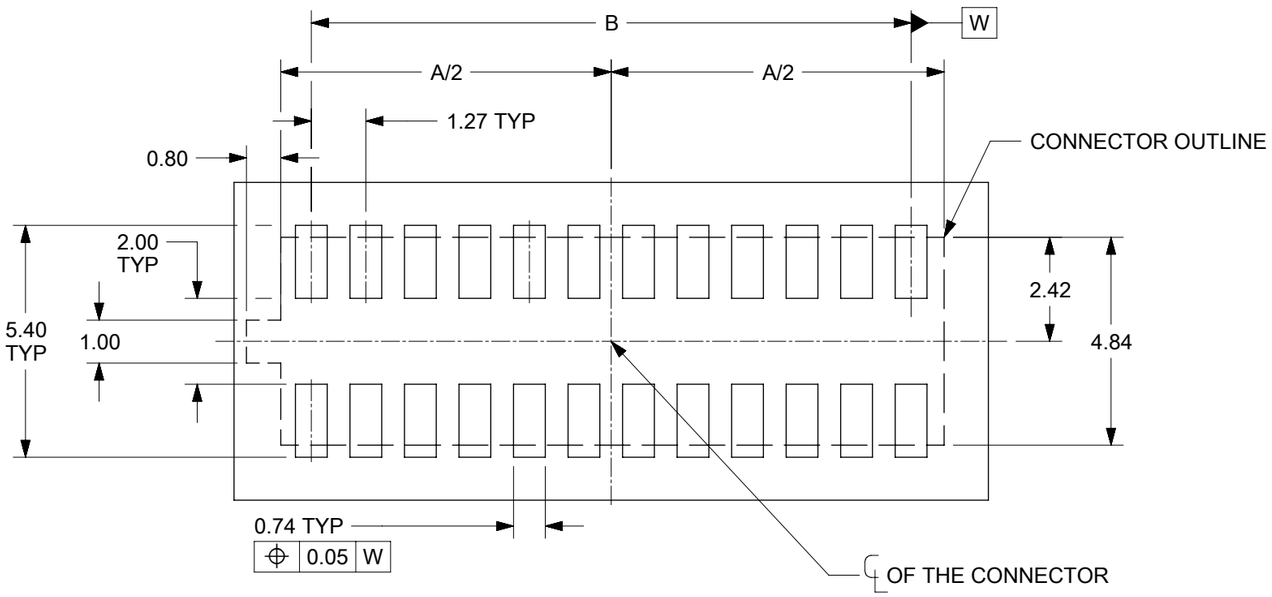






VIEW A



RECOMMENDED PCB LAYOUT
TOLERANCE ±0.05
(24 CKT SHOWN IS FOR ILLUSTRATION ONLY)

1. MATERIAL:
HOUSING: LIQUID CRYSTALLINE POLYMER, GLASS FILLED, UL94V-0, BLACK
TERMINAL: HIGH PERFORMANCE COPPER ALLOY
FINISHES: SEE PART NUMBER LEGEND IN SHEET 2
2. PRODUCT SPECIFICATION: 781200001_PS
3. PACKAGING SPEICIFICATION:
(A6) TUBE: 781200001
T&R: 781200002
4. MATES WITH:87933, 200989, 201021, 201022, 201173
5. PARTS CONFORMS TO CLASS "B" REQUIREMENT OF COSMETIC SPECIFICATION PS-45499-002
6. MOLEX LOGO AND CAVITY LOCATED AS SHOWN.
7. NON-FUNCTIONAL CORING IS SUBJECTED TO CHANGES WITHOUT NOTICE.
8. THE ABOVE 24 CKT SHOWN IS FOR ILLUSTRATION ONLY.

CKT SIZE	DIMENSION	
	A	B
4	2.75	1.27
6	4.02	2.54
8	5.29	3.81
10	6.56	5.08
12	7.83	6.35
14	9.10	7.62
16	10.37	8.89
18	11.64	10.16
20	12.91	11.43
22	14.18	12.70
24	15.45	13.97

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DIMENSION UNITS	SCALE
MM	NTS

GENERAL TOLERANCES (UNLESS SPECIFIED)

ANGULAR TOL	± 3.0 °
4 PLACES	±
3 PLACES	±
2 PLACES	± 0.2
1 PLACE	±
0 PLACES	±

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

CURRENT REV DESC:

EC NO: 809511
DRWN: SUAIFR 2025/01/13
CHK'D: SUAIFR 2025/01/14
APPR: ISHWARG 2025/01/16

INITIAL REVISION:
DRWN: SCHEONG 2016/02/21
APPR: KHLIM 2016/07/18

THIRD ANGLE PROJECTION | DRAWING: A3-SIZE | SERIES: 78120

molex

1.27MM PITCH SLIM-GRID
VERTICAL SMT RECEPTACLE

PRODUCT CUSTOMER DRAWING

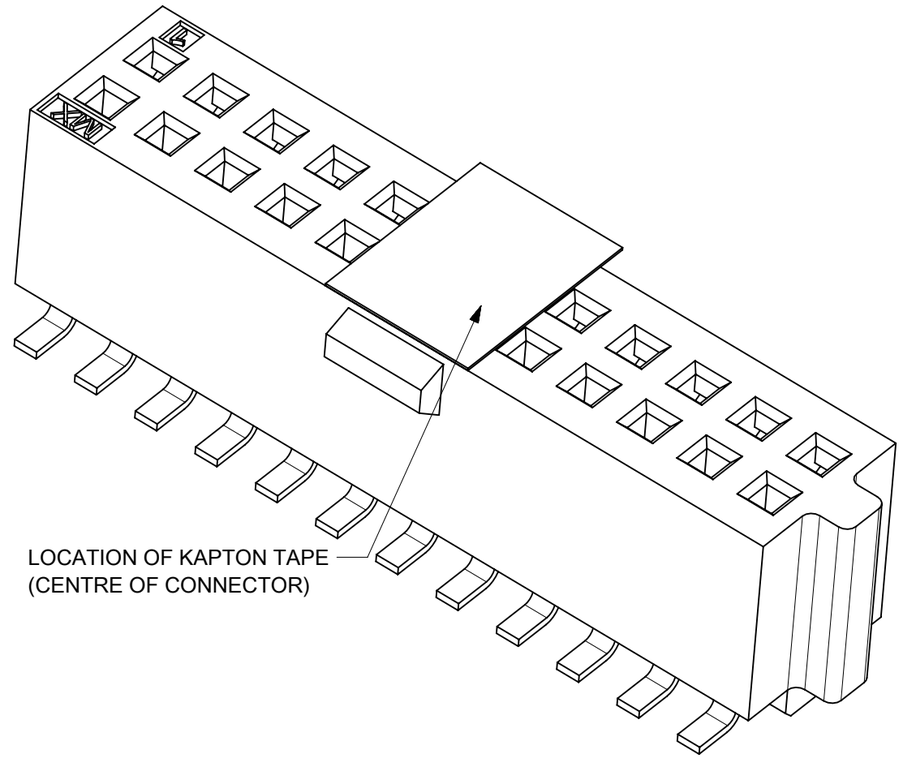
DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
781200001	PSD	000	A6

MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
SEE TABLE	GENERAL MARKET	1 OF 3

DOCUMENT STATUS	P1	RELEASE DATE	2025/01/16 13:33:21

FORMAT: molex_B_size_A3
REVISION: J
DATE: 2020/01/14

CKT SIZE	ASSEMBLY P/N WITHOUT KAPTON TAPE IN TUBE	ASSEMBLY P/N WITH KAPTON TAPE IN TUBE (TOOLED)	ASSEMBLY P/N WITH KAPTON TAPE IN T&R	TAPE & REEL TOOLED (A5)
4	78120-0407	78120-0417	78120-0427	N
	78120-0408	78120-0418	78120-0428	
	78120-0409	78120-0419	78120-0429	
6	78120-0607	78120-0617	78120-0627	Y
	78120-0608	78120-0618	78120-0628	
	78120-0609	78120-0619	78120-0629	
8	78120-0807	78120-0817	78120-0827	Y
	78120-0808	78120-0818	78120-0828	
	78120-0809	78120-0819	78120-0829	
10	78120-1007	78120-1017	78120-1027	Y
	78120-1008	78120-1018	78120-1028	
	78120-1009	78120-1019	78120-1029	
12	78120-1207	78120-1217	78120-1227	N
	78120-1208	78120-1218	78120-1228	
	78120-1209	78120-1219	78120-1229	
14	78120-1407	78120-1417	78120-1427	Y
	78120-1408	78120-1418	78120-1428	
	78120-1409	78120-1419	78120-1429	
16	78120-1607	78120-1617	78120-1627	N
	78120-1608	78120-1618	78120-1628	
	78120-1609	78120-1619	78120-1629	
18	78120-1807	78120-1817	78120-1827	Y
	78120-1808	78120-1818	78120-1828	
	78120-1809	78120-1819	78120-1829	
20	78120-2007	78120-2017	78120-2027	N
	78120-2008	78120-2018	78120-2028	
	78120-2009	78120-2019	78120-2029	
22	78120-2207	78120-2217	78120-2227	Y
	78120-2208	78120-2218	78120-2228	
	78120-2209	78120-2219	78120-2229	
24	78120-2407	78120-2417	78120-2427	Y
	78120-2408	78120-2418	78120-2428	
	78120-2409	78120-2419	78120-2429	



LEGEND

78120-X X X X

CKT SIZE

04 = 4 CKTS
.
.
24 = 24 CKTS

FINISHES

7 = 0.05um Au MIN. GOLD ON CONTACT AND 2.54um MIN. MATTE TIN ON SOLDERTAIL OVER 1.27um MIN. NICKEL UNDERPLATE OVERALL
8 = 0.38um Au MIN. GOLD ON CONTACT AND 2.54um MIN. MATTE TIN ON SOLDERTAIL OVER 1.27um MIN. NICKEL UNDERPLATE OVERALL
9 = 0.76um Au MIN. GOLD ON CONTACT AND 2.54um MIN. MATTE TIN ON SOLDERTAIL OVER 1.27um MIN. NICKEL UNDERPLATE OVERALL

PACKAGING & PICK AND PLACE CAPABILITY

0 = NO KAPTON TAPE IN TUBE
1 = WITH KAPTON TAPE IN TUBE
2 = WITH KAPTON TAPE IN TAPE AND REEL

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DIMENSION UNITS	MM
SCALE	NTS
GENERAL TOLERANCES (UNLESS SPECIFIED)	
ANGULAR TOL ±	3.0 °
4 PLACES ±	
3 PLACES ±	
2 PLACES ±	0.2
1 PLACE ±	
0 PLACES ±	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	

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INITIAL REVISION:
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molex

1.27MM PITCH SLIM-GRID
VERTICAL SMT RECEPTACLE

PRODUCT CUSTOMER DRAWING

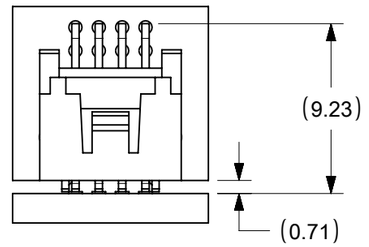
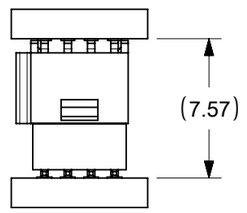
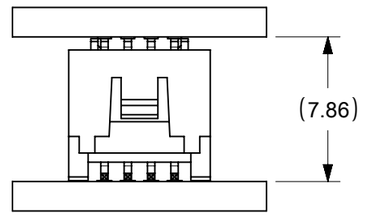
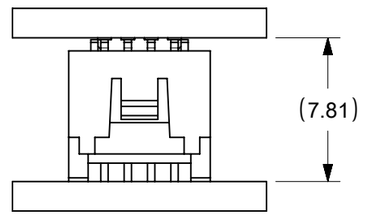
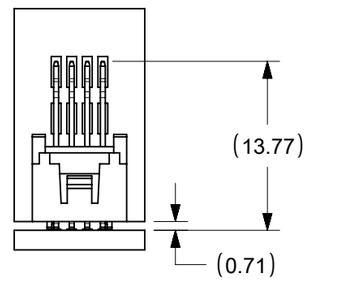
DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
781200001	PSD	000	A6

THIRD ANGLE PROJECTION	DRAWING	SERIES	MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
	A3-SIZE	78120	SEE TABLE	GENERAL MARKET	2 OF 3

DOCUMENT STATUS	P1	RELEASE DATE	2025/01/16 13:33:21

FORMAT: molex_A-size_v4-A3
REVISION: J
DATE: 2020/01/14

BOARD TO BOARD (BTB) DISTANCE

HEADER	MATES WITH (RECEPTACLE)	BTB DIST.	PICTORIAL VIEW
201021		9.23	
87933		7.57	
200989	78120	7.86	
201022		7.81	
201173		13.77	

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DIMENSION UNITS	SCALE
MM	NTS

GENERAL TOLERANCES (UNLESS SPECIFIED)

ANGULAR TOL	±	3.0 °
4 PLACES	±	
3 PLACES	±	
2 PLACES	±	0.2
1 PLACE	±	
0 PLACES	±	

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

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CHK'D: SUAIFR 2025/01/14
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molex

1.27MM PITCH SLIM-GRID
VERTICAL SMT RECEPTACLE

PRODUCT CUSTOMER DRAWING

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781200001	PSD	000	A6

THIRD ANGLE PROJECTION	DRAWING	SERIES	MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
	A3-SIZE	78120	SEE TABLE	GENERAL MARKET	3 OF 3

DOCUMENT STATUS	P1	RELEASE DATE	2025/01/16 13:33:21

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