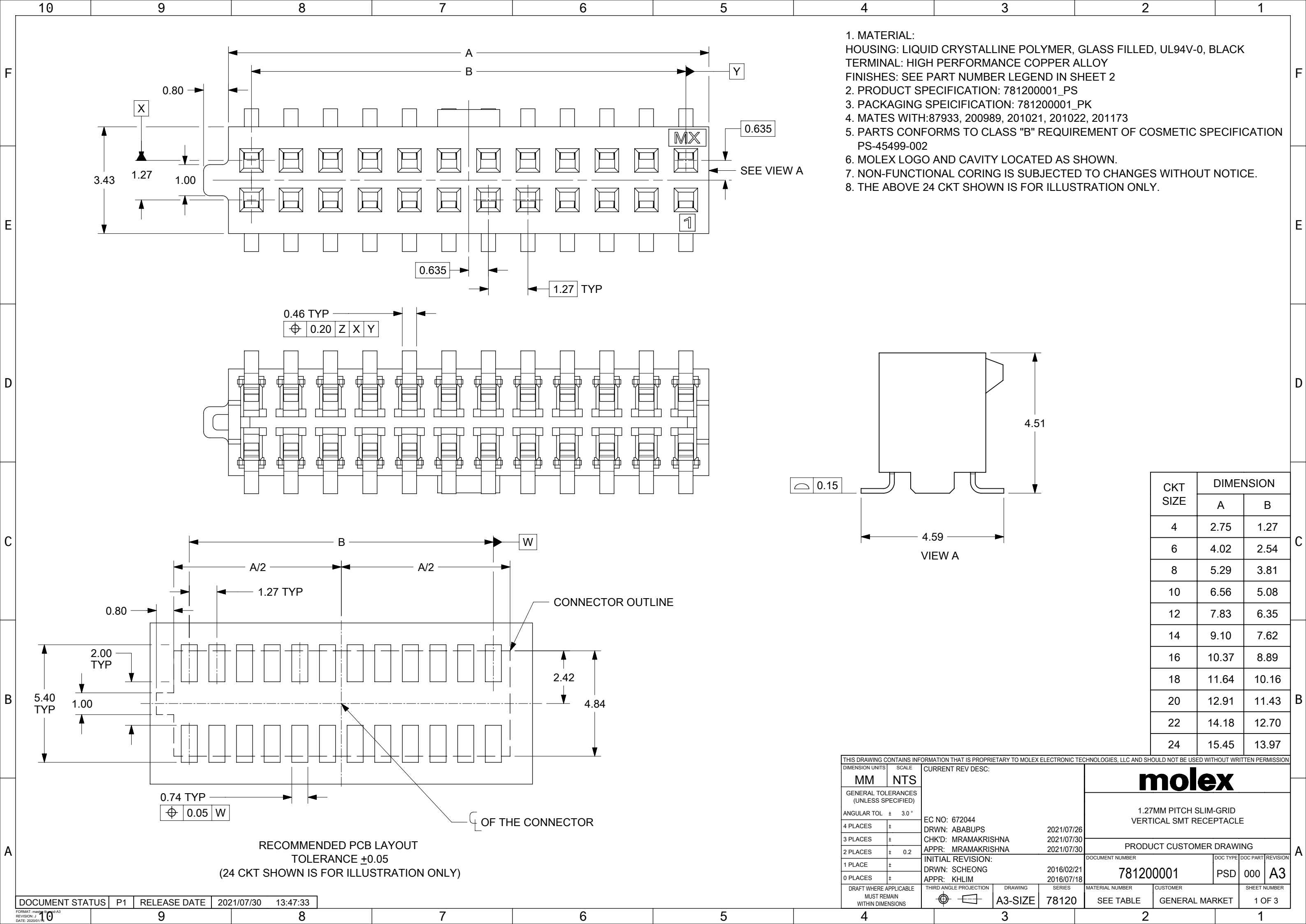




1. MATERIAL:
HOUSING: LIQUID CRYSTALLINE POLYMER, GLASS FILLED, UL94V-0, BLACK
TERMINAL: HIGH PERFORMANCE COPPER ALLOY
FINISHES: SEE PART NUMBER LEGEND IN SHEET 2
2. PRODUCT SPECIFICATION: 781200001_PS
3. PACKAGING SPECIFICATION: 781200001_PK
4. MATES WITH: 87933, 200989, 201021, 201022, 201173
5. PARTS 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			1.27MM PITCH SLIM-GRID VERTICAL SMT RECEPTACLE			
MM	NTS			PRODUCT CUSTOMER DRAWING			
GENERAL TOLERANCES (UNLESS SPECIFIED)							
ANGULAR TOL	±	3.0 °					
4 PLACES	±		EC NO: 672044	2021/07/26			
3 PLACES	±		DRWN: ABABUPS	2021/07/30			
2 PLACES	±	0.2	CHK'D: MRAMAKRISHNA	2021/07/30			
1 PLACE	±		APPR: MRAMAKRISHNA	2021/07/30			
0 PLACES	±		INITIAL REVISION:				
			DRWN: SCHEONG	2016/02/21			
			APPR: KHLIM	2016/07/18			
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION	DRAWING	SERIES	MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
			A3-SIZE	78120	SEE TABLE	GENERAL MARKET	1 OF 3

DOCUMENT STATUS	P1	RELEASE DATE	2021/07/30	13:47:33
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FORMAT: mcs-16-003-A3
REVISION: 1
DATE: 2020/01/11

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E

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C

B

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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 (NOT TOOLED)
4	78120-0407	78120-0417	78120-0427
	78120-0408	78120-0418	78120-0428
	78120-0409	78120-0419	78120-0429
6	78120-0607	78120-0617	78120-0627
	78120-0608	78120-0618	78120-0628
	78120-0609	78120-0619	78120-0629
8	78120-0807	78120-0817	78120-0827
	78120-0808	78120-0818	78120-0828
	78120-0809	78120-0819	78120-0829
10	78120-1007	78120-1017	78120-1027
	78120-1008	78120-1018	78120-1028
	78120-1009	78120-1019	78120-1029
12	78120-1207	78120-1217	78120-1227
	78120-1208	78120-1218	78120-1228
	78120-1209	78120-1219	78120-1229
14	78120-1407	78120-1417	78120-1427
	78120-1408	78120-1418	78120-1428
	78120-1409	78120-1419	78120-1429
16	78120-1607	78120-1617	78120-1627
	78120-1608	78120-1618	78120-1628
	78120-1609	78120-1619	78120-1629
18	78120-1807	78120-1817	78120-1827
	78120-1808	78120-1818	78120-1828
	78120-1809	78120-1819	78120-1829
20	78120-2007	78120-2017	78120-2027
	78120-2008	78120-2018	78120-2028
	78120-2009	78120-2019	78120-2029
22	78120-2207	78120-2217	78120-2227
	78120-2208	78120-2218	78120-2228
	78120-2209	78120-2219	78120-2229
24	78120-2407	78120-2417	78120-2427
	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

CURRENT REV DESC:

EC NO: 672044

DRWN: ABABUPS

CHK'D: MRAMAKRISHNA

APPR: MRAMAKRISHNA

INITIAL REVISION:

DRWN: SCHEONG

APPR: KHLIM

THIRD ANGLE PROJECTION

DRAWING

SERIES

MATERIAL NUMBER

CUSTOMER

SHEET NUMBER

moLEX

1.27MM PITCH SLIM-GRID VERTICAL SMT RECEPTACLE

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER

781200001

DOC TYPE

PSD

DOC PART

000

REVISION

A3

SEE TABLE

GENERAL MARKET

2 OF 3

LOCATION OF KAPTON TAPE (CENTRE OF CONNECTOR)

DOCUMENT STATUS

P1

RELEASE DATE

2021/07/30

13:47:33

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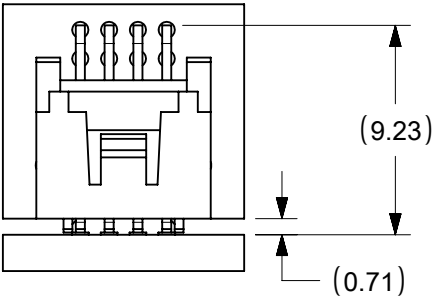
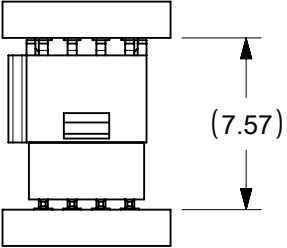
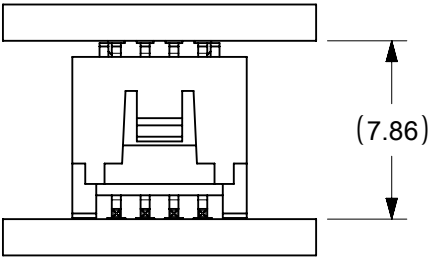
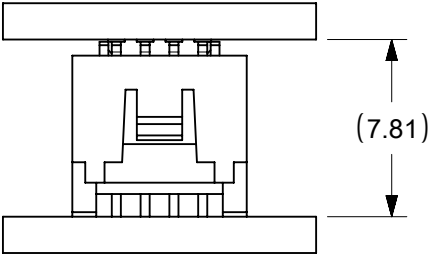
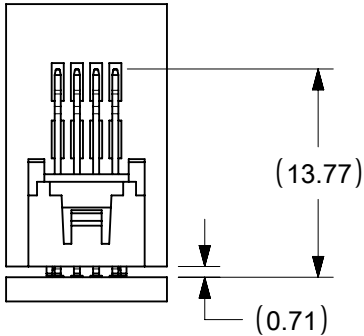
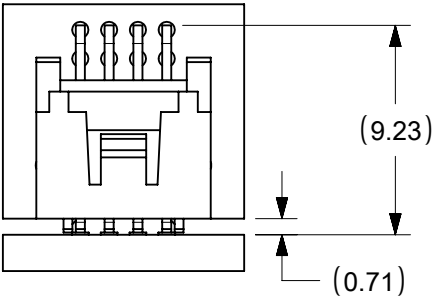
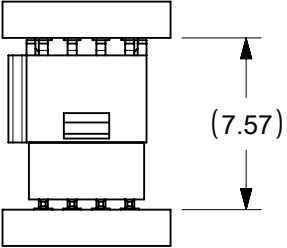
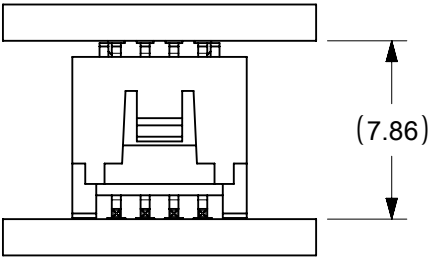
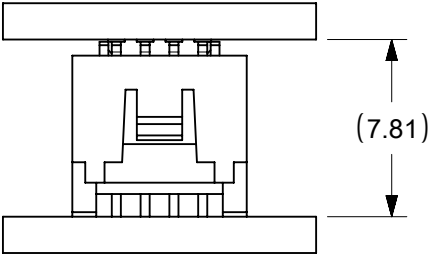
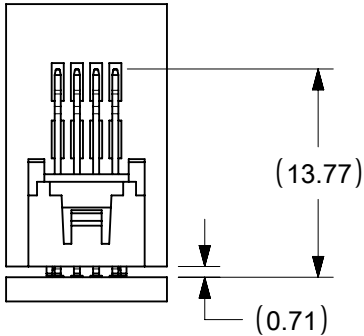
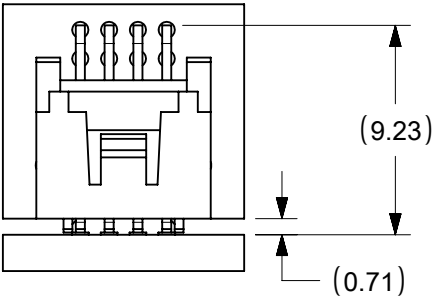
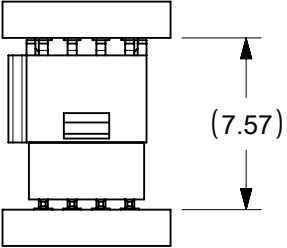
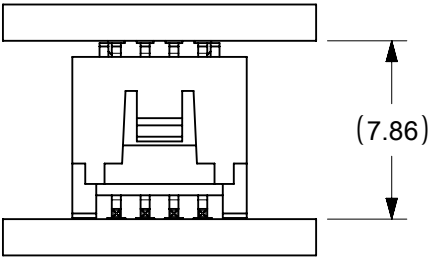
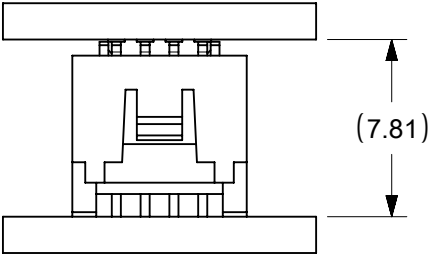
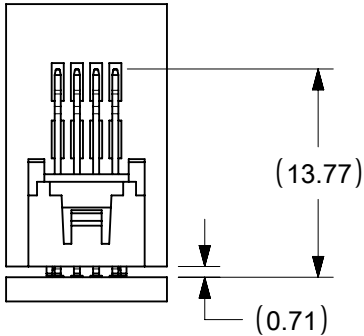
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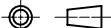
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F	BOARD TO BOARD (BTB) DISTANCE										F																				
E	<table><tr><th>HEADER</th><th>MATES WITH (RECEPTACLE)</th><th>BTB DIST.</th><th>PICTORIAL VIEW</th></tr><tr><td>201021</td><td rowspan="5">78120</td><td>9.23</td><td></td></tr><tr><td>87933</td><td>7.57</td><td></td></tr><tr><td>200989</td><td>7.86</td><td></td></tr><tr><td>201022</td><td>7.81</td><td></td></tr><tr><td>201173</td><td>13.77</td><td></td></tr></table>										HEADER	MATES WITH (RECEPTACLE)	BTB DIST.	PICTORIAL VIEW	201021	78120	9.23		87933	7.57		200989	7.86		201022	7.81		201173	13.77		E
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A	<table><tr><td colspan="2">DOCUMENT STATUS</td><td>P1</td><td>RELEASE DATE</td><td>2021/07/30</td><td>13:47:33</td><td colspan="5"></td></tr></table>										DOCUMENT STATUS		P1	RELEASE DATE	2021/07/30	13:47:33						A									
DOCUMENT STATUS		P1	RELEASE DATE	2021/07/30	13:47:33																										
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DIMENSION UNITS		SCALE		CURRENT REV DESC:				molex 1.27MM PITCH SLIM-GRID VERTICAL SMT RECEPTACLE				
MM		NTS										
GENERAL TOLERANCES (UNLESS SPECIFIED)				EC NO: 672044 DRWN: ABABUPS 2021/07/26 CHK'D: MRAMAKRISHNA 2021/07/30 APPR: MRAMAKRISHNA 2021/07/30				PRODUCT CUSTOMER DRAWING				
ANGULAR TOL ± 3.0 °												
4 PLACES ±												
3 PLACES ±												
2 PLACES ± 0.2												
1 PLACE ±				INITIAL REVISION: DRWN: SCHEONG 2016/02/21 APPR: KHLIM 2016/07/18				DOCUMENT NUMBER		DOC TYPE	DOC PART	REVISION
0 PLACES ±								781200001		PSD	000	A3
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION		DRAWING	SERIES	MATERIAL NUMBER		CUSTOMER		SHEET NUMBER
						A3-SIZE	78120	SEE TABLE		GENERAL MARKET		3 OF 3

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DIMENSION UNITS MM		SCALE NTS		CURRENT REV DESC: EC NO: 672044 DRWN: ABABUPS 2021/07/26 CHK'D: MRAMAKRISHNA 2021/07/30 APPR: MRAMAKRISHNA 2021/07/30 INITIAL REVISION: DRWN: SCHEONG 2016/02/21 APPR: KHLIM 2016/07/18											
GENERAL TOLERANCES (UNLESS SPECIFIED)								1.27MM PITCH SLIM-GRID VERTICAL SMT RECEPTACLE							
ANGULAR TOL ± 3.0 °								PRODUCT CUSTOMER DRAWING							
4 PLACES ± 3 PLACES ± 2 PLACES ± 0.2 1 PLACE ± 0 PLACES ±								DOCUMENT NUMBER 781200001							
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION 		DRAWING A3-SIZE		SERIES 78120		MATERIAL NUMBER SEE TABLE		CUSTOMER GENERAL MARKET		SHEET NUMBER 3 OF 3	

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