

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



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

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		CURRENT REV DESC:		molex	
DIMENSION UNITS	SCALE	EC NO: 672044			
MM	NTS	DRWN: ABABUPS 2021/07/26		1.27MM PITCH SLIM-GRID VERTICAL SMT RECEPTACLE	
GENERAL TOLERANCES (UNLESS SPECIFIED)		CHK'D: MRAMAKRISHNA 2021/07/30			
ANGULAR TOL	$\pm 3.0^\circ$	APPR: MRAMAKRISHNA 2021/07/30		PRODUCT CUSTOMER DRAWING	
4 PLACES	\pm	INITIAL REVISION:		DOCUMENT NUMBER	DOC TYPE
3 PLACES	\pm	DRWN: SCHEONG 2016/02/21		781200001	PSD
2 PLACES	± 0.2	APPR: KHLIM 2016/07/18		000	A3
1 PLACE	\pm				
0 PLACES	\pm				
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	THIRD ANGLE PROJECTION	DRAWING	SERIES	MATERIAL NUMBER	CUSTOMER
		A3-SIZE	78120	SEE TABLE	GENERAL MARKET
					SHEET NUMBER
					1 OF 3

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 SOLDER TAIL OVER 1.27um MIN. NICKEL UNDERPLATE OVERALL
8 = 0.38um Au MIN. GOLD ON CONTACT AND 2.54um MIN. MATTE TIN ON SOLDER TAIL OVER 1.27um MIN. NICKEL UNDERPLATE OVERALL
9 = 0.76um Au MIN. GOLD ON CONTACT AND 2.54um MIN. MATTE TIN ON SOLDER TAIL 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		SCALE		CURRENT REV DESC:				molex		
MM		NTS						1.27MM PITCH SLIM-GRID VERTICAL SMT RECEPTACLE		
GENERAL TOLERANCES (UNLESS SPECIFIED)										
ANGULAR TOL		± 3.0 °		EC NO: 672044				DOCUMENT NUMBER		DOC TYPE DOC PART REVISION
4 PLACES		±		DRWN: ABABUPS 2021/07/26				781200001		PSD 000 A3
3 PLACES		±		CHK'D: MRAMAKRISHNA 2021/07/30				PRODUCT CUSTOMER DRAWING		
2 PLACES		± 0.2		APPR: MRAMAKRISHNA 2021/07/30				MATERIAL NUMBER		CUSTOMER
1 PLACE		±		INITIAL REVISION:				SEE TABLE		GENERAL MARKET
0 PLACES		±		DRWN: SCHEONG 2016/02/21				SHEET NUMBER		2 OF 3
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION		DRAWING		SERIES		SHEET NUMBER		
		A3-SIZE		78120						

BOARD TO BOARD (BTB) DISTANCE

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

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DIMENSION UNITS	SCALE				
MM	NTS			1.27MM PITCH SLIM-GRID VERTICAL SMT RECEPTACLE	
GENERAL TOLERANCES (UNLESS SPECIFIED)				PRODUCT CUSTOMER DRAWING	
ANGULAR TOL	± 3.0 °			DOCUMENT NUMBER	
4 PLACES	±	EC NO: 672044		781200001	DOC TYPE
3 PLACES	±	DRWN: ABABUPS	2021/07/26	PSD	DOC PART
2 PLACES	± 0.2	CHK'D: MRAMAKRISHNA	2021/07/30	000	REVISION
1 PLACE	±	APPR: MRAMAKRISHNA	2021/07/30	A3	
0 PLACES	±	INITIAL REVISION:		SHEET NUMBER	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION	DRAWING	SERIES	MATERIAL NUMBER
			A3-SIZE	78120	CUSTOMER
					GENERAL MARKET
					3 OF 3