

CKT SIZE	DIMENSION					
	A	B	C	D	E	F
4	2.00	4.85	6.65	5.00	—	—
6	4.00	6.85	8.65	7.00	—	2.00
8	6.00	8.85	10.65	9.00	—	4.00
10	8.00	10.85	12.65	11.00	—	6.00
12	10.00	12.85	14.65	13.00	—	8.00
14	12.00	14.85	16.65	15.00	8.00	10.00
16	14.00	16.85	18.65	17.00	10.00	12.00
18	16.00	18.85	20.65	19.00	12.00	14.00
20	18.00	20.85	22.65	21.00	14.00	16.00
22	20.00	22.85	24.65	23.00	16.00	18.00
24	22.00	24.85	26.65	25.00	18.00	20.00
26	24.00	26.85	28.65	27.00	20.00	22.00
28	26.00	28.85	30.65	29.00	22.00	24.00
30	28.00	30.85	32.65	31.00	24.00	26.00
32	30.00	32.85	34.65	33.00	26.00	28.00
34	32.00	34.85	36.65	35.00	28.00	30.00
36	34.00	36.85	38.65	37.00	30.00	32.00
38	36.00	38.85	40.65	39.00	32.00	34.00
40	38.00	40.85	42.65	41.00	34.00	36.00
42	40.00	42.85	44.65	43.00	36.00	38.00
44	42.00	44.85	46.65	45.00	38.00	40.00
46	44.00	46.85	48.65	47.00	40.00	42.00
48	46.00	48.85	50.65	49.00	42.00	44.00
50	48.00	50.85	52.65	51.00	44.00	46.00

- NOTES:
- FOR ILLUSTRATION PURPOSES, 20 CIRCUIT SIZE WAFER IS SHOWN.
  - MATERIAL :  
HOUSING : LCP, UL94V-0, GLOW WIRE CAPABLE PER IEC-60335-1 5TH EDITION, GLASS FILLED. COLOR: BLACK.  
PIN : 0.50MM SQ. COPPER ALLOY.
  - PRODUCT SPECIFICATION PS-151117-0001 APPLIES.
  - △ RIB LOCATION VARIES, DEPENDING ON CKT SIZES.
  - △ CKT 4 AND 6 HAS NO IDENTIFICATION TAG.
  - △ POSITION OF CAP TO BE LOCATED AT CENTER OF DIM A, IRREGARDLESS OF CKT SIZE. TOP SURFACE OF CAP TO BE FLAT FOR PICK & PLACE PURPOSE.
  - △ COPLANARITY IS TO BE MEASURED BY RESTING THE SOLDER TAIL ON A GAUGE SURFACE.
  - △ CAVITY ID AND MX LOGO SHALL BE LOCATED APPROXIMATELY AS SHOWN.

- △ SINGLE LOCK FEATURE FOR 4-12CKT.
- △ DUAL LOCK FEATURE FOR 14CKT AND ABOVE.
- △ DETAIL 2 FOR MMC REFERENCE ONLY.
- △ BEND DEPRESSION ON SMT TAIL IS ACCEPTABLE SO LONG IT DOES NOT AFFECT THE OVERALL COPLANARITY OF THE TAIL.

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	CURRENT REV DESC:	<b>molex</b>		
GENERAL TOLERANCES (UNLESS SPECIFIED)		EC NO: 619055			
4 PLACES ±	MM INCH	DRWN: VLOKESHA 2019/05/23	MGRID, SHROUDED HEADER SMT		
3 PLACES ±		CHK'D: NMANE02 2019/07/09	PRODUCT CUSTOMER DRAWING		
2 PLACES ±	0.2 ±	APPR: MRAMAKRISHNA 2019/07/09	DOCUMENT NUMBER: SD-151118-0001		
1 PLACE ±		INITIAL REVISION:	DOC TYPE: PSD	DOC PART: 001	
0 PLACES ±		DRWN: ATSEE 2014/10/10	REVISION: A3		
ANGULAR TOL ± 3.0°		APPR: KHLIM 2015/11/05			
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	THIRD ANGLE PROJECTION	DRAWING: A3-SIZE	SERIES: 151118	MATERIAL NUMBER: SEE TABLE	
		CUSTOMER: GENERAL MARKET		SHEET NUMBER: 1 OF 3	

# ASSEMBLY

## 151118 - X X X X

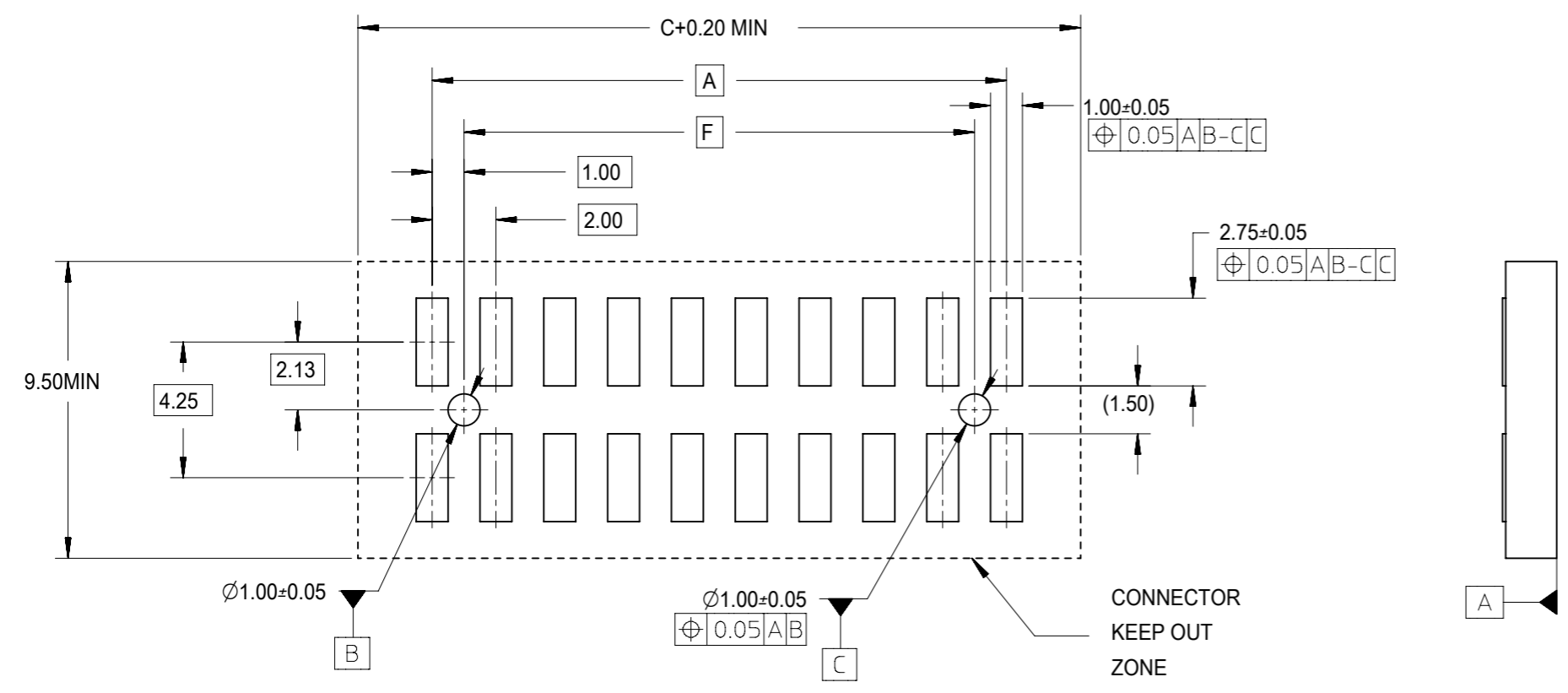
### PLATING OPTIONS

-X0XX AND -X4XX	2.00µm MIN. TIN OVERALL 1.25µm MIN. NICKEL OVERALL
-X1XX AND -X5XX	0.05µm MIN. GOLD PLATE ON CONTACT AND 2.00µm MIN. TIN(MATTE) ON SOLDERTAIL OVER 1.25µm MIN. NICKEL OVERALL.
-X2XX AND -X6XX	0.38µm MIN. GOLD PLATE ON CONTACT AND 2.00µm MIN. TIN(MATTE) ON SOLDERTAIL OVER 1.25µm MIN. NICKEL OVERALL.
-X3XX AND -X7XX	0.75µm MIN. GOLD PLATE ON CONTACT AND 2.00µm MIN. TIN(MATTE) ON SOLDERTAIL OVER 1.25µm MIN. NICKEL OVERALL.

04 - 50	4-50 CKT W/O PEG
54 - 00	4-50 CKT WITH PEG
50+(#)CKT	54 = 4CKT 56 = 6CKT . . . 98 = 48CKT 00 = 50CKT
# = NO OF CKT	

PLATING		CAP OPTION
0	FULL TIN	WITHOUT
1	Au FLASH	CAP
2	0.38 Au	(FOR TUBE
3	0.75 Au	PACKAGING ONLY)
4	FULL TIN	WITH
5	Au FLASH	CAP
6	0.38 Au	(FOR TUBE AND
7	0.75 Au	T&R PACKAGING)
8	OTHER OPTIONS	
9	OTHER OPTIONS	

PACKAGING	
0	TAPE & REEL
1	TUBE
2	OTHER OPTIONS
3	
4	
5	
6	
7	
8	
9	



RECOMMENDED PCB LAYOUT

NOTES CONTINUE :  
 13. REFER TO PACKAGING SPECIFICATION  
 FOR TUBE : PK-151118-0001  
 FOR TAPE & REEL : PK-151118-3000

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DIMENSION UNITS	SCALE	EC NO: 619055 DRWN: VLOKESHA 2019/05/23 CHK'D: NMANE02 2019/07/09 APPR: MRAMAKRISHNA 2019/07/09		ASSEMBLY MGRID, SHROUDED HEADER SMT	
mm	NTS			PRODUCT CUSTOMER DRAWING	
GENERAL TOLERANCES (UNLESS SPECIFIED)		INITIAL REVISION: DRWN: ATSEE 2014/10/10 APPR: KHLIM 2015/11/05		DOCUMENT NUMBER	DOC TYPE
4 PLACES	±			3 PLACES	±
2 PLACES	± 0.2	SD-151118-0001		DOCS PART	REVISION
1 PLACE	±			A3	2 OF 3
0 PLACES	±	ANGULAR TOL	± 3.0°	MATERIAL NUMBER	CUSTOMER
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION	DRAWING	SERIES	SHEET NUMBER
		A3-SIZE	151118	SEE TABLE	GENERAL MARKET

**BOARD TO BOARD (BTB) DISTANCE**

HEADER	MATES WITH (RECEPTACLE)	BTB DISTANCE	PICTORIAL VIEW
151118	78787	8.14	
	78788	8.35	
	79107	8.14	
	79109	8.35	

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DIMENSION UNITS		SCALE		CURRENT REV DESC:				<b>molex</b>	
mm		NTS							
GENERAL TOLERANCES (UNLESS SPECIFIED)				EC NO: 619055				ASSEMBLY	
				DRWN: VLOKESHA 2019/05/23				MGRID, SHROUDED HEADER SMT	
				CHK'D: NMANE02 2019/07/09				PRODUCT CUSTOMER DRAWING	
4 PLACES ±				APPR: MRAMAKRISHNA 2019/07/09				DOCUMENT NUMBER	
3 PLACES ±				INITIAL REVISION:				SD-151118-0001	
2 PLACES ± 0.2				DRWN: DRWN BY XXXX/XX/XX				DOC TYPE	
1 PLACE ±				APPR: APPR BY XXXX/XX/XX				PSD	
0 PLACES ±				ANGULAR TOL ± 3.0°				DOC PART	
				DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				001	
				THIRD ANGLE PROJECTION				REVISION	
				DRAWING				A3	
				SERIES				A3	
				MATERIAL NUMBER				151118	
				CUSTOMER				GENERAL MARKET	
				SHEET NUMBER				3 OF 3	

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