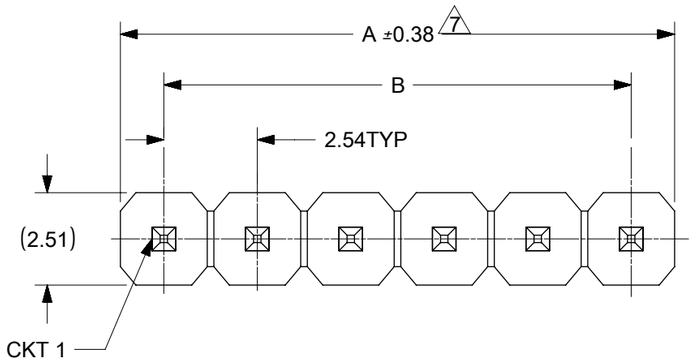
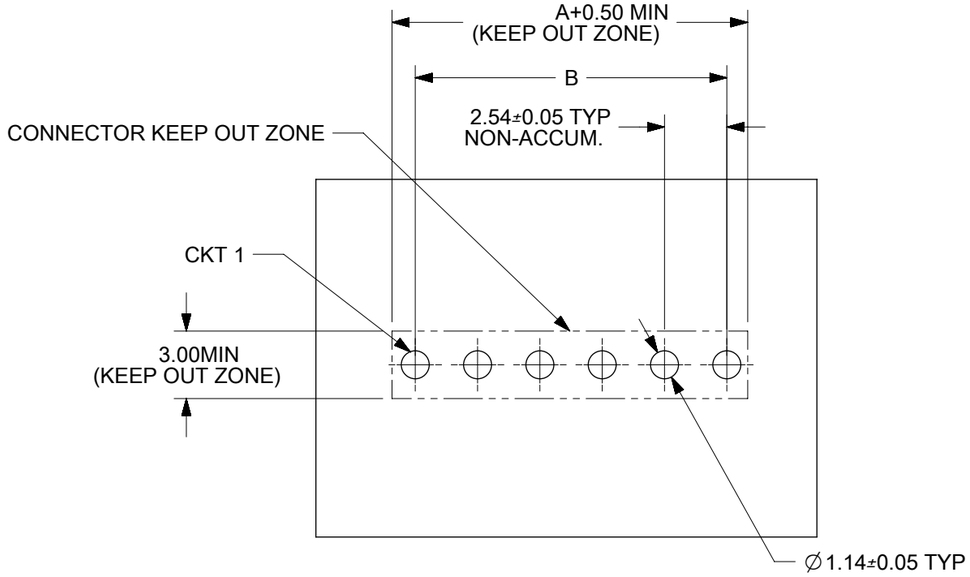
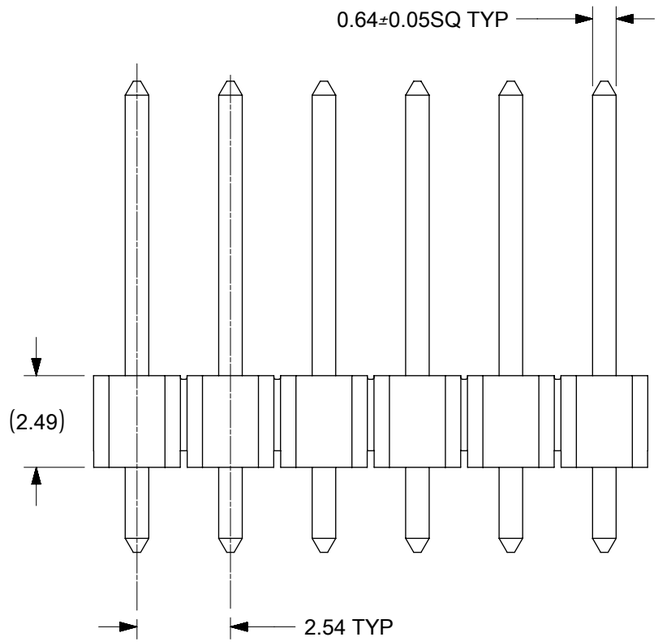
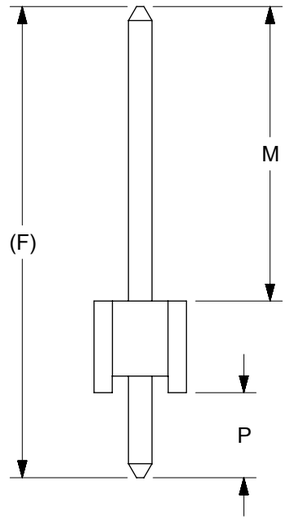
ASSEMBLY WITHOUT CAP





RECOMMENDED P.C.B. HOLE LAYOUT





NOTES
1. MATERIAL:
   HSG: NYLON, GLASS-FILLED, UL94V-0 COLOR: BLACK
   PIN: 0.64MM SQ, COPPER ALLOY
2. PLATING TYPE:
   (1) GOLD FLASH OVER
      1.25µm MIN. NICKEL OVERALL.
   (2) GOLD FLASH ON CONTACT AND
      2.50µm MIN. TIN ON SOLDERTAIL OVER
      1.25µm MIN. NICKEL OVERALL.
   (3) 0.38µm MIN. GOLD PLATE ON CONTACT AND
      2.00µm MIN. TIN ON SOLDERTAIL OVER
      1.25µm MIN. NICKEL OVERALL.
   (4) 0.75µm MIN. GOLD PLATE ON CONTACT AND
      2.00µm MIN. TIN ON SOLDERTAIL OVER
      1.25µm MIN. NICKEL OVERALL.
   (5) 2.50µm MIN TIN OVERALL
      1.25µm MIN NICKEL OVERALL
3. PRODUCT SPECIFICATION: PS-87920-019
4. PACKAGING TYPE: SEE TABLE
5. WAFER TO BE FLAT WITHIN 0.003 mm/mm
6. RECOMMENDED PCB THICKNESS IS 1.60mm±0.10
7. IRREGULAR CIRCUIT CUTOFF WITHIN BREAKAWAY SECTION IS PERMISSIBLE.CUTTING OR CHIPPING OF THE MAIN BODY IS NOT ACCEPTABLE
8. THE ABOVE CKT 6 IS FOR ILLUSTRATION PURPOSE ONLY
9. PACKAGING SPECIFICATION:
   TRAY: PK-89990-489
   BULK: PK-89990-491
   T&R : PK-87898-400
   TUBE: PK-89990-934
10. REFER SHEET 2 FOR CAP LOCATION.

SYMBOLS	
E/V = 0	
E/E = 0	
E/P = 0	
S = 0	
▼ = 0	
E/F = 0	
☒ = 0	
■ = 0	
▽ = 0	

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)

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

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

CURRENT REV DESC: 87891-0206&0306 ADD

EC NO: 624545
DRWN: VNANDAM 2019/08/05
CHK'D: MRAMAKRISHNA 2019/09/24
APPR: MRAMAKRISHNA 2019/09/24

INITIAL REVISION:
DRWN: KCHO 2004/03/24
APPR: SCLOW 2004/04/08

THIRD ANGLE PROJECTION | DRAWING: A3-SIZE | SERIES: 87891

molex

CUSTOM HEADER
2.54MM PITCH, SINGLE ROW SINGLE WAFER, T/H HEADER

PRODUCT CUSTOMER DRAWING

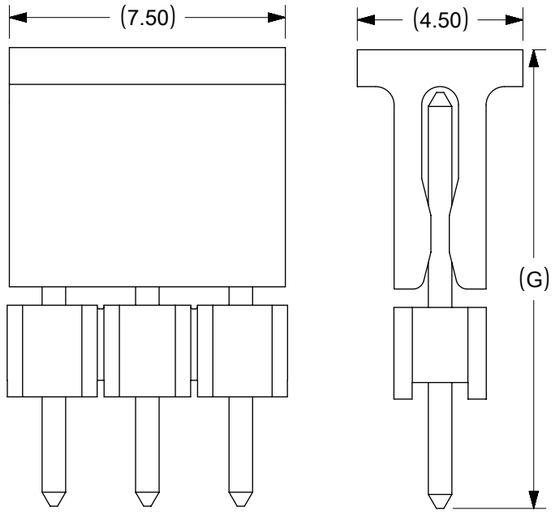
DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
SD-87891-001	PSD	000	D13

MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
SEE TABLE	GENERAL MARKET	1 OF 4

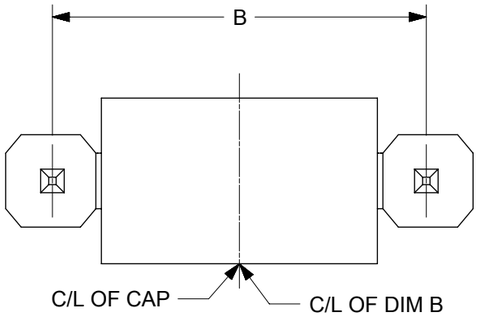
DOCUMENT STATUS	P1	RELEASE DATE	2019/09/24 13:15:51

FORMAT: Molex-Model-lb-prod-A3
REVISION: D
DATE: 2018/01/16

CAP INFORMATION- CAP OPTION A

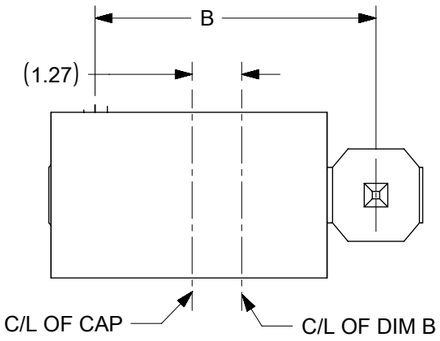


FOR ILLUSTRATION OF ODD CKT
(5CKT AS SHOWN)



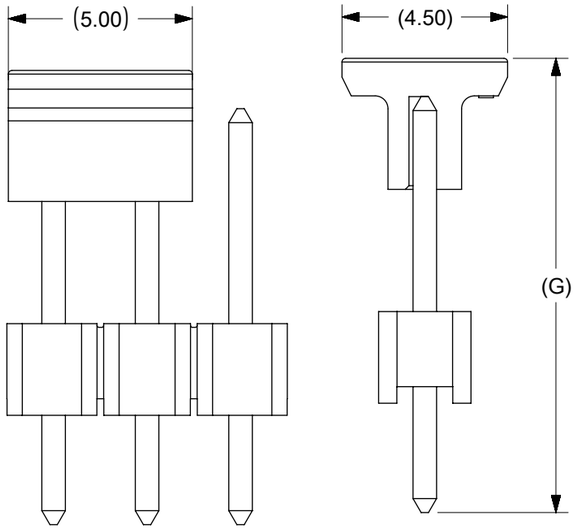
C/L OF DIM B = C/L OF CAP
FOR ODD CKT

FOR ILLUSTRATION OF EVEN CKT
(4CKT AS SHOWN)

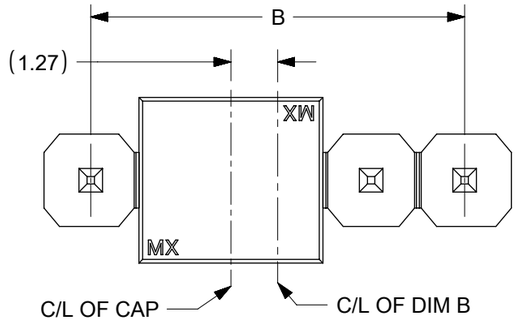


C/L OF DIM B IS OFFSET BY 1.27MM WITH C/L OF CAP
FOR EVEN CKT

CAP INFORMATION- CAP OPTION B

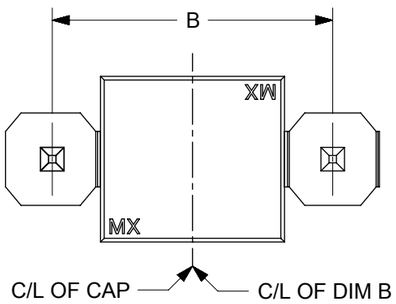


FOR ILLUSTRATION OF ODD CKT
(5CKT AS SHOWN)



C/L OF DIM B IS OFFSET BY 1.27MM WITH C/L OF CAP
FOR ODD CKT

FOR ILLUSTRATION OF EVEN CKT
(4CKT AS SHOWN)



C/L OF DIM B = C/L OF CAP
FOR EVEN CKT

SYMBOLS	
A = 0	
B = 0	
C = 0	
D = 0	
E = 0	
F = 0	
G = 0	
H = 0	

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)

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

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

CURRENT REV DESC: 87891-0206&0306 ADD

EC NO:	624545	
DRWN:	VNANDAM	2019/08/05
CHK'D:	MRAMAKRISHNA	2019/09/24
APPR:	MRAMAKRISHNA	2019/09/24

INITIAL REVISION:

DRWN:	KCHO	2004/03/24
APPR:	SCLOW	2004/04/08

THIRD ANGLE PROJECTION | DRAWING: A3-SIZE | SERIES: 87891

molex

CUSTOM HEADER
2.54MM PITCH, SINGLE ROW SINGLE WAFER, T/H HEADER

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
SD-87891-001	PSD	000	D13

MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
SEE TABLE	GENERAL MARKET	2 OF 4

DOCUMENT STATUS	P1	RELEASE DATE	2019/09/24 13:15:51

FORMAT: Mel-spec-folder-tb-prod-A3
REVISION: D
DATE: 2018/01/16

CKT SIZE	DIMENSION A	DIMENSION B
02	5.08	2.54
03	7.62	5.08
04	10.16	7.62
05	12.70	10.16
06	15.24	12.70
07	17.78	15.24
08	20.32	17.78
09	22.86	20.32
10	25.40	22.86
11	27.94	25.40
12	30.48	27.94
13	33.02	30.48
14	35.56	33.02
15	38.10	35.56
16	40.64	38.10
17	43.18	40.64
18	45.72	43.18
19	48.26	45.72
20	50.80	48.26
21	53.34	50.80
22	55.88	53.34
23	58.42	55.88
24	60.96	58.42
25	63.50	60.96
26	66.04	63.50
27	68.58	66.04
28	71.12	68.58
29	73.66	71.12
30	76.20	73.66
31	78.74	76.20
32	81.28	78.74
33	83.82	81.28
34	86.36	83.82
35	88.90	86.36
36	91.44	88.90
37	93.98	91.44
38	96.52	93.98
39	99.06	96.52
40	101.60	99.06

ASSY W/CAP IN T&R	ASSY W/O CAP IN T&R	ASSY W/O CAP IN TUBE	ASSY W/CAP IN TUBE	PART NO. W/O CAP IN TRAY PACKAGING	PART NO. IN BULK PACKAGING	CKT SIZE	VOID PIN	KINK PIN	(G)	DIMENSION OAL (F)	DIMENSION MATING END M	DIMENSION SOLDIER TAIL P	PLATING TYPE	CAP OPTION	REMARKS
-	-	-	-	87891-0108	-	01	-	-	-	10.80	5.08	3.23	5	-	-
-	-	-	-	87891-1017	-	01	-	-	-	12.29	6.80	3.00	3	-	-
-	-	-	-	87891-0205	-	02	-	-	-	11.30	5.84	2.97	4	-	-
-	-	-	- (D13)	87891-0206	-	02	-	-	-	11.30	5.84	2.97	5	-	-
-	-	-	-	87891-0209	-	02	-	-	-	10.80	5.08	3.23	5	-	-
-	-	-	-	87891-0210	-	02	-	-	-	31.00	25.54	2.97	5	-	-
-	-	-	-	87891-0216	-	02	-	-	-	7.29	2.40	2.40	5	-	-
-	-	-	-	87891-0212	-	02	-	-	-	18.37	12.68	3.20	5	-	-
-	-	-	-	87891-0211	-	02	-	-	-	26.49	20.80	3.20	5	-	-
-	-	-	-	87891-0214	-	02	-	-	-	19.49	13.00	4.00	5	-	-
87891-0215	-	-	-	-	-	02	-	-	14.98	13.98	7.49	4.00	5	A	-
-	-	-	-	87891-0213	-	02	-	-	-	12.14	5.84	3.81	4	-	-
-	-	-	- (D13)	87891-0306	-	03	-	-	-	11.30	5.84	2.97	5	-	-
-	-	-	-	87891-0307	-	03	-	-	-	22.73	18.74	1.50	5	-	-
-	-	-	-	87891-0003	-	03	2	-	-	13.72	9.65	1.78	6	-	-
87891-0311	-	-	-	-	-	03	-	-	12.34	11.30	5.84	2.97	5	B	REFER RPK-87891-0311 (FOR 87891-0311)
-	-	-	-	-	87891-0310	03	-	-	-	6.49	2.00	2.00	5	-	-
-	-	-	-	87891-0402	-	04	2	-	-	10.80	5.89	2.41	5	-	-
-	-	-	-	87891-0004	-	04	-	-	-	35.10	29.71	3.10	6	-	-
-	-	-	-	87891-0408	-	04	-	-	-	31.00	25.54	2.97	5	-	-
-	87891-0418	-	-	87891-0409	-	04	-	-	-	12.14	6.75	2.90	5	-	REFER 878910418-RPK (FOR 87891-0418)
87891-0417	-	-	-	-	-	04	-	-	16.31	15.11	9.01	3.61	5	A	-
-	-	-	-	87891-0432	-	04	-	-	-	18.03	13.54	2.00	5	-	-
-	-	-	87891-0430			04	-	-	-	13.09	8.00	2.80	5	A	-
-	-	-	-	87891-0501	-	05	-	-	-	13.62	8.08	3.05	5	-	-
-	-	-	-	87891-0502	-	05	2	-	-	10.80	5.89	2.41	5	-	-
-	-	-	-	87891-0503	-	05	2	-	-	45.00	13.51	29.00	5	-	-
-	-	-	-	87891-0504	-	05	2	-	-	45.00	13.51	29.00	3	-	-
-	-	-	-	87891-0507	-	05	4	-	-	10.92	5.84	2.59	3	-	-
-	-	-	-	-	87891-0508	05	2,4	-	-	11.38	5.84	3.05	5	-	-
-	-	-	-	87891-0522	-	05	2&4	-	-	19.49	13.00	4.00	5	-	-
-	-	-	-	87891-0517	-	05	-	-	-	23.62	17.32	3.81	5	-	-
-	-	-	-	87891-0523	-	05	-	-	-	7.29	2.40	2.40	5	-	-
-	87891-0521	-	-	-	-	05	-	-	10.10	9.89	2.80	4.60	5	A	-

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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)

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

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

CURRENT REV DESC: 87891-0206&0306 ADD

EC NO: 624545
DRWN: VNANDAM 2019/08/05
CHK'D: MRAMAKRISHNA 2019/09/24
APPR: MRAMAKRISHNA 2019/09/24

INITIAL REVISION:
DRWN: KCHO 2004/03/24
APPR: SCLOW 2004/04/08

THIRD ANGLE PROJECTION | DRAWING: A3-SIZE | SERIES: 87891

molex

CUSTOM HEADER
2.54MM PITCH, SINGLE ROW SINGLE WAFER, T/H HEADER

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
SD-87891-001	PSD	000	D13

MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
SEE TABLE	GENERAL MARKET	3 OF 4

DOCUMENT STATUS	P1	RELEASE DATE	2019/09/24 13:15:51

FORMAT: Molex-Order-ID-prod-A3
REVISION: D
DATE: 2018/01/15

ASSY WITHOUT CAP IN TUBE	ASSY WITHOUT W/CAP IN TUBE	ASSY W/CAP IN T&R	PART NO. IN TRAY PACKAGING	PART NO. IN BULK PACKAGING	CKT SIZE	VOID PIN	KINK PIN	(G)	DIMENSION			PLATING TYPE	CAP OPTION
									OAL	MATING END	SOLDIER TAIL		
									(F)	M	P		
-	-	-	87891-0601	-	06	-	-	-	11.30	5.84	2.97	1	-
-	-	-	87891-0602	-	06	-	-	-	12.80	8.00	2.31	5	-
-	-	-	87891-0606	-	06	-	-	-	11.30	5.84	2.97	5	-
-	-	-	87891-0607	-	06	-	-	-	13.75	8.08	3.18	5	-
-	-	-	87891-0608	-	06	-	-	-	18.03	13.54	2.00	5	-
-	-	-	87891-0609	-	06	-	-	-	28.30	22.16	3.65	5	-
-	-	87891-0613	-	-	06	-	-	22.99	21.99	16.00	3.50	5	A
-	-	-	87891-0615	-	06	-	-		14.49	10.00	2.00	1	-
-	-	-	87891-0751	-	07	-	-	-	13.74	8.00	3.25	5	-
-	-	87891-0007	-	-	07	-	-	-	13.72	9.65	1.78	6	-
-	-	-	87891-0851	-	08	-	-	-	13.74	8.00	3.25	5	-
-	-	87891-0807	-	-	08	-	-	13.59	12.59	7.90	2.20	5	A
-	-	-	-	87891-2601	26	4,7,17	-	-	11.13	5.59	3.05	3	-
-	-	87891-1817	-	-	18	-	-	18.36	17.20	13.21	1.50	5	A
-	-	87891-1818	-	-	18	-	-	18.36	17.20	13.21	1.50	3	A
-	-	-	87891-2007	-	20	-	-	-	21.49	9.50	9.50	1	-
-	-	87891-2817	-	-	28	-	-	18.36	17.20	13.21	1.50	5	A
-	-	87891-2818	-	-	28	-	-	18.36	17.20	13.21	1.50	3	A
-	-	-	-	87891-3600	36	-	-	-	11.56	6.09	3.18	2	-
87891-4007	-	-	-	-	40	-	-	-	12.14	5.84	3.81	3	-

SYMBOLS

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= 0

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DIMENSION UNITS	SCALE
mm	NTS

GENERAL TOLERANCES (UNLESS SPECIFIED)

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

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

CURRENT REV DESC: 87891-0206&0306 ADD

EC NO: 624545

DRWN:	VNANDAM	2019/08/05
CHK'D:	MRAMAKRISHNA	2019/09/24
APPR:	MRAMAKRISHNA	2019/09/24

INITIAL REVISION:

DRWN:	KCHO	2004/03/24
APPR:	SCLOW	2004/04/08

THIRD ANGLE PROJECTION | DRAWING: A3-SIZE | SERIES: 87891

molex

CUSTOM HEADER
2.54MM PITCH, SINGLE ROW SINGLE WAFER, T/H HEADER

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
SD-87891-001	PSD	000	D13

MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
SEE TABLE	GENERAL MARKET	4 OF 4

DOCUMENT STATUS	P1	RELEASE DATE	2019/09/24 13:15:51

FORMAT: Molex_Wafer-tb-prod-A3
REVISION: D
DATE: 2018/01/15

Unikeyic Electronics

Global Electronic Components Distributor

Click to view pricing, inventory, delivery, and lifecycle information:

molex:

190690096 151670255 190730231 436803002 439151216 0190690033 190990009 397730002
760475001 0436802002 430450225 459705185 152670269 152670357 398800403 444280402
447691602 759001161 0436400901 151660057 152660117 417920538 430451220 447641402
447642001 152670251 190670071 190990010 5046940301 0190700155