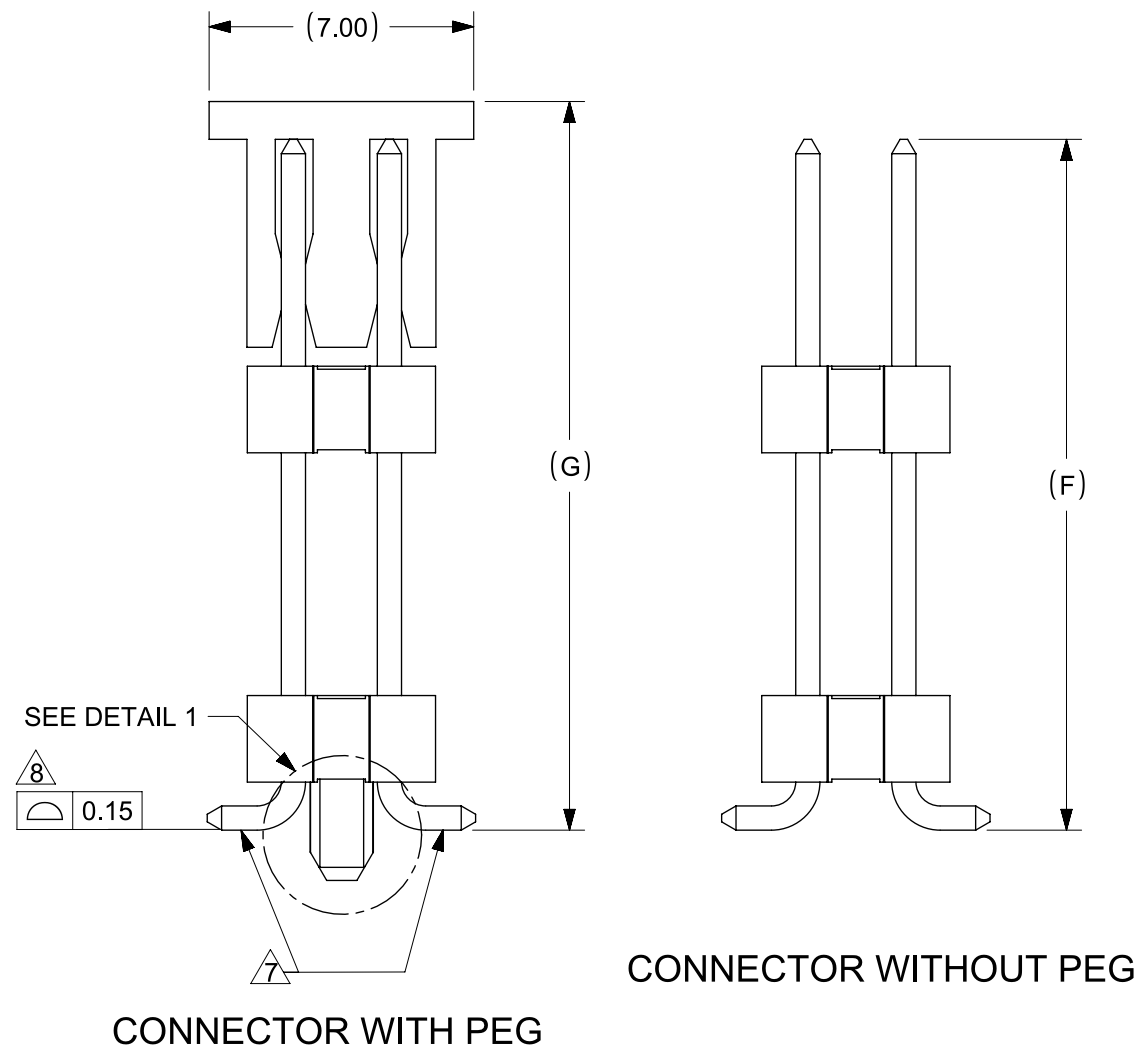
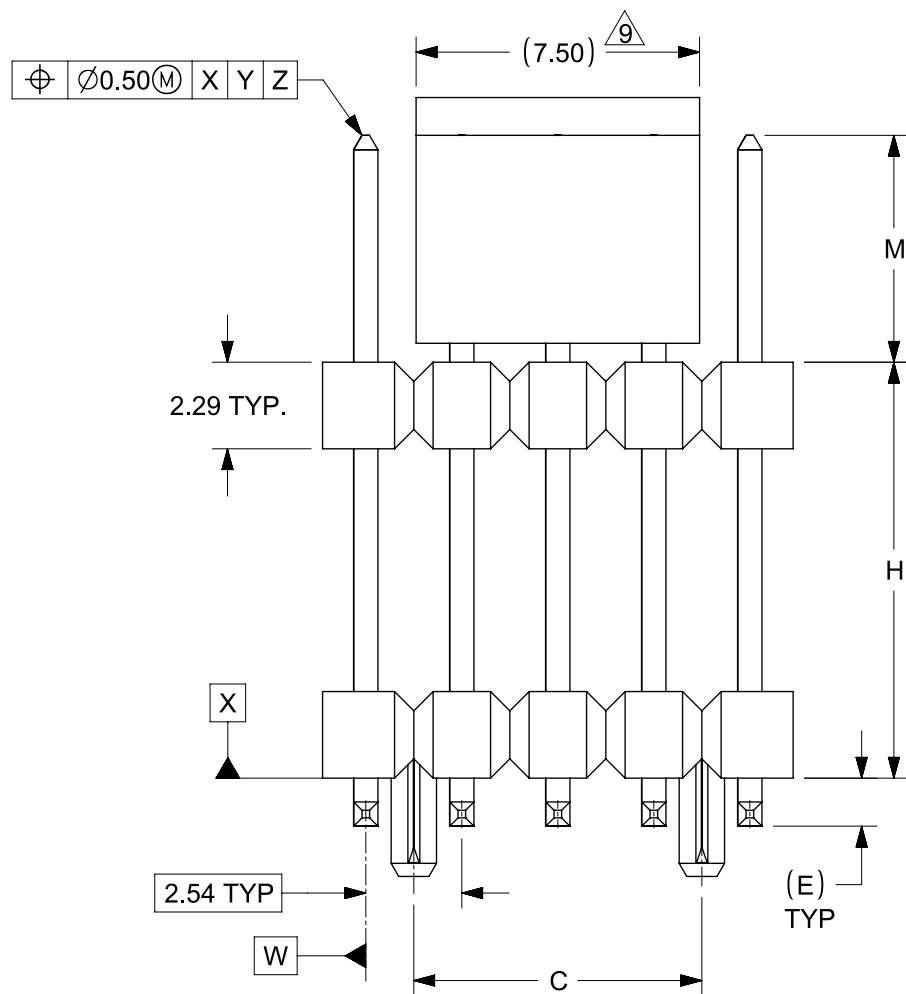
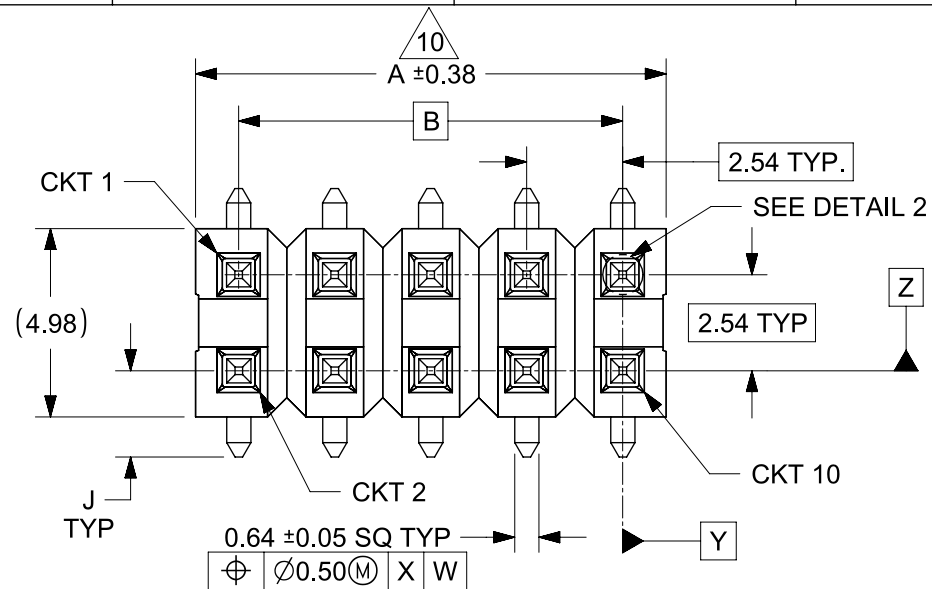
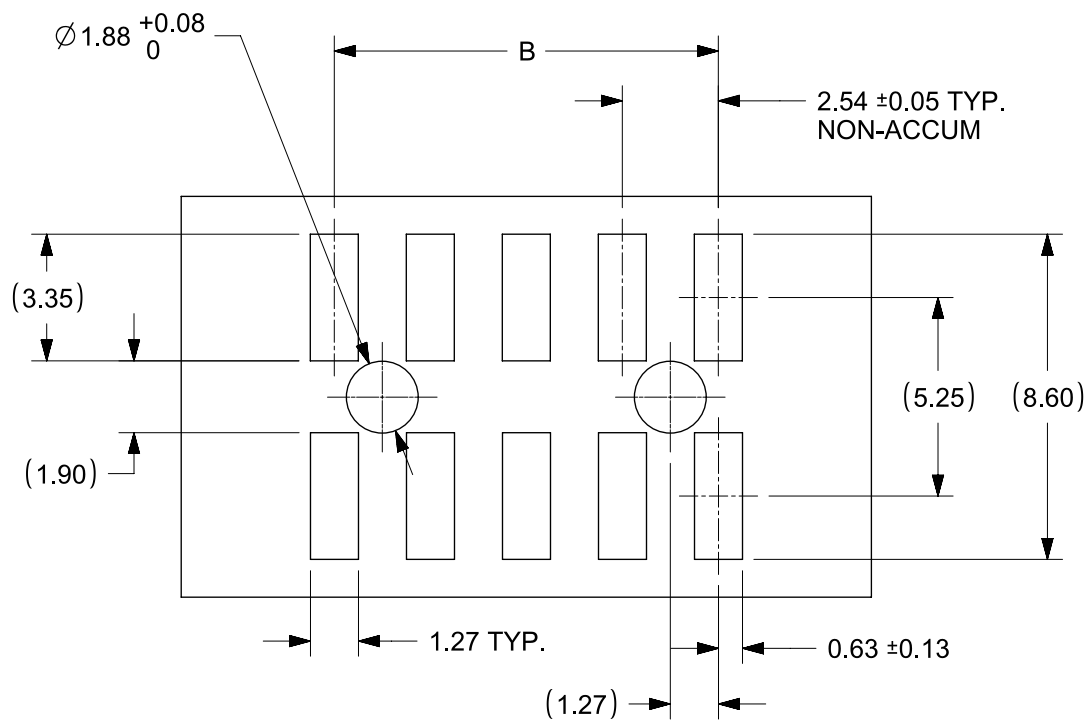
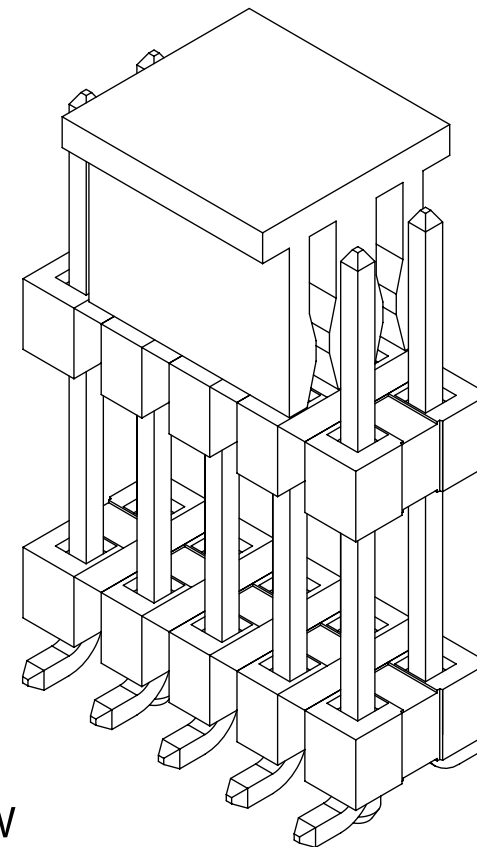


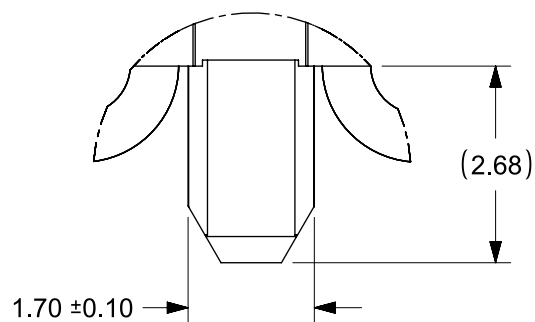




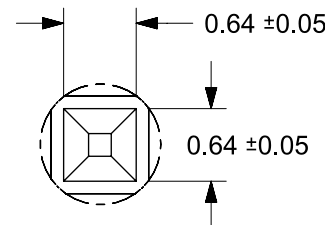
RECOMMENDED PCB LAYOUT: SOLDER SIDE



ISO VIEW
CONNECTOR WITH CAP



DETAIL1



DETAIL2

NOTES

1. MATERIAL:

HSG: LCP, GLASS-FILLED, UL94V-0, COLOR: BLACK
CAP: 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) 0.05µm MIN. GOLD PLATE 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. PACKAGING TYPE: SEE TABLE

4. PCB THICKNESS 1.60+/-0.10mm

5. PRODUCT SPECIFICATION: PS-87920-019

6. WAFER TO BE FLAT WITHIN 0.003 mm/mm

7. BEND DEPRESSION IS ACCEPTED SO LONG AS IT
DOES NOT AFFECT THE OVERALL COPLANARITY OF TAIL

8. COPLANARITY IS TO BE MEASURED BY RESTING THE
SOLDER TAIL ON A FLAT SURFACE

9. CAP LOCATION IS CENTERED ALONG THE MATING ENDS AS
SHOWN. TOP SURFACE OF CAP TO BE FLAT FOR THE PURPOSE
OF PICK & PLACE BY VACUUM SUCTION NOZZLE

10. IRREGULAR CIRCUIT CUTOFF WITHIN BREAKAWAY SECTION
IS PERMISSIBLE. CUTTING OR CHIPPING OF THE MAIN
BODY IS NOT ACCEPTABLE

11. PARTS ARE NOT STACKABLE ON 2.54 CENTER

12. THE ABOVE CKT 10 IS FOR ILLUSTRATION PURPOSE ONLY

13. TUBE LENGTH IS 560MM PER STANDARD

14. PACKAGING SPECIFICATION: PLS REFER TO SHEET 3

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION									
DIMENSION UNITS		SCALE		CURRENT REV DESC: REMOVED OBSOLETE PART NUMBERS AS PER PCN#512673.				molex	
MM		NTS							
GENERAL TOLERANCES (UNLESS SPECIFIED)				CUSTOM HEADER CGRID,DUAL ROW HDR, DUAL BODY, SMT W/PEGS, VERT. PRODUCT CUSTOMER DRAWING DOCUMENT NUMBERSD-87939-017DOC TYPEPSDDOC PART000REVISIONA14 MATERIAL NUMBERSEE TABLECUSTOMERGENERAL MARKET SHEET NUMBER2 OF 4					
	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				THIRD ANGLE PROJECTION		DRAWINGA3-SIZE		SERIES87939	

DOCUMENT STATUS	P1	RELEASE DATE	2023/05/03	18:46:49
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FORMAT: Molex-kgm-master-ib-prod-A3
REVISION: E1
DATE: 2021/05/01

10										9										8										7										6										5										4										3										2										1									
PACKAGING SPECIFICATION OVERVIEW																																																																																																			
F																																																		F																																																	
ITEM										PACKAGING TYPE										PACKAGING SPECIFICATION										RECOMMENDED LOADED ASSY HEIGHT										PART PACKED IN PACKAGING ORIENTATION (FOR REF. USE ONLY)																																																											
1										TRAY										PK-89990-489										DIM G/F= 60.0MM MAX.																																																																					
2										BULK										PK-89990-491										-																																																																					
3										TUBE										PK-89990-508										DIM G/F= 16.1~23.0MM																																																																					
4										TUBE										PK-89990-507										DIM G/F= < 16.0MM																																																																					
5										TUBE										PK-89990-478										DIM G/F= 10.7MM MAX.																																																																					
6										TAPE & REEL										PK-89990-486 (REEL Ø: 330.0 MAX.) OR PK-87898-400										DIM G/F= 15.0MM MAX.																																																																					
B																																																																																																			
A																																																																																																			
DOCUMENT STATUS										P1										RELEASE DATE										2023/05/03 18:46:49																																																																					
10										9										8										7										6										5										4										3										2										1									

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION															
DIMENSION UNITS		SCALE		CURRENT REV DESC: REMOVED OBSOLETE PART NUMBERS AS PER PCN#512673.						molex CUSTOM HEADER CGRID,DUAL ROW HDR, DUAL BODY, SMT W/PEGS, VERT.					
MM		NTS													
GENERAL TOLERANCES (UNLESS SPECIFIED)															
MM		INCH													
4 PLACES	±		±	EC NO: 747661						2023/03/03					
3 PLACES	±		±	DRWN: LIKITV						2023/05/03					
2 PLACES	±	0.2	±	CHK'D: GGA						2023/05/03					
1 PLACE	±		±	APPR: GGA						2023/05/03					
0 PLACES	±		±	INITIAL REVISION:						DOCUMENT NUMBER					
ANGULAR TOL ± 3.0 °				DRWN: SKLIM01						2006/06/29					
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				APPR: PATEY						2006/07/07					
THIRD ANGLE PROJECTION				DRAWING		SERIES		MATERIAL NUMBER		CUSTOMER		SHEET NUMBER			
				A3-SIZE		87939		SEE TABLE		GENERAL MARKET		3 OF 4			

FORMAT: Molex-kg-a-master-ib-prod-A3
REVISION: E1
DATE: 2021/05/01

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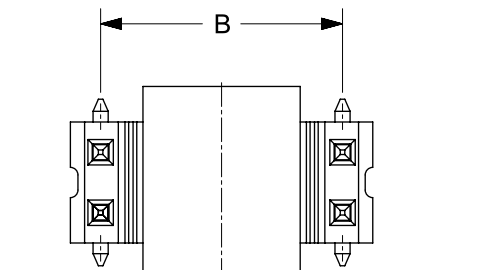
2

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10	9	8	7	6	5	4	3	2	1							
PART NUMBER IN PACKAGING OPTION							CKT SIZE	PEG	PLATE OPT.	PK SPEC.	DIMENSION					
TRAY PACKED WITH CAP	TRAY PACKED WITHOUT CAP	TUBE WITH CAP	TUBE WITHOUT CAP	TAPE & REEL WITH CAP	BULK PACKED WITH CAP	BULK PACKED WITHOUT CAP					G	F	MATING END	STACKER HEIGHT	E	J
													M	H		
-	87939-0805	-	-	-	-	-	8	N	5	1	-	20.80	5.10	14.43	1.27	2.22
-	-	-	-	87939-1002	-	-	10	Y	4	6	21.50	20.00	10.00	10.00	1.20	2.33
-	-	-	-	-	-	-	12	Y	4	6	21.50	20.00	10.00	10.00	1.20	2.33
-	-	-	87939-2000	-	-	-	20	Y	5	3	-	20.00	4.65	15.35	1.27	2.28
-	-	-	-	-	-	-	24	Y	4	6	21.50	20.00	10.00	10.00	1.20	2.33
-	-	-	-	-	-	-	28	N	5	1	-	16.89	3.68	13.21	1.27	2.28
-	-	-	-	-	-	-	28	N	5	1	-	16.89	3.68	13.21	1.27	2.28
-	-	-	-	-	-	-	40	N	3	4	-	14.40	5.90	8.50	1.27	2.22
-	-	-	-	-	-	-	40	Y	4	1	-	14.40	8.00	6.40	1.27	2.28

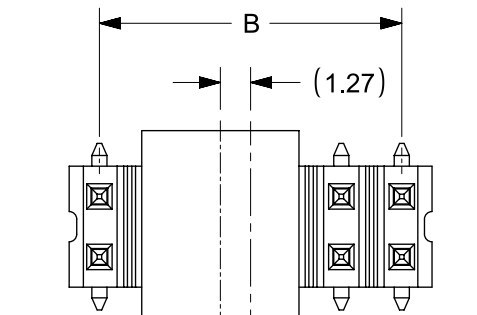
CAP POSITION ILLUSTRATION FOR REFERENCE

FOR ILLUSTRATION 10CKT AS SHOWN



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

FOR ILLUSTRATION 12CKT AS SHOWN



C/L OF DIM B IS OFFSET WITH C/L OF CAP
FOR EVEN CKT COLUMN

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DIMENSION UNITS

MM

SCALE

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

THIRD ANGLE PROJECTION

DRAWING

A3-SIZE

SERIES

87939

CURRENT REV DESC: REMOVED OBSOLETE PART NUMBERS AS PER PCN#512673.

EC NO: 747661

DRWN: LIKITV

CHK'D: GGA

APPR: GGA

2023/03/03

2023/05/03

2023/05/03

INITIAL REVISION:

DRWN: SKLIM01

APPR: PATEY

2006/06/29

2006/07/07

DOCUMENT NUMBER

SD-87939-017

DOC TYPE

PSD

DOC PART

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REVISION

A14

CUSTOMER

GENERAL MARKET

SHEET NUMBER

4 OF 4

CUSTOMER HEADER

CGRID,DUAL ROW HDR, DUAL BODY, SMT W/PEGS, VERT.

PRODUCT CUSTOMER DRAWING

DOCUMENT STATUS

P1

RELEASE DATE

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