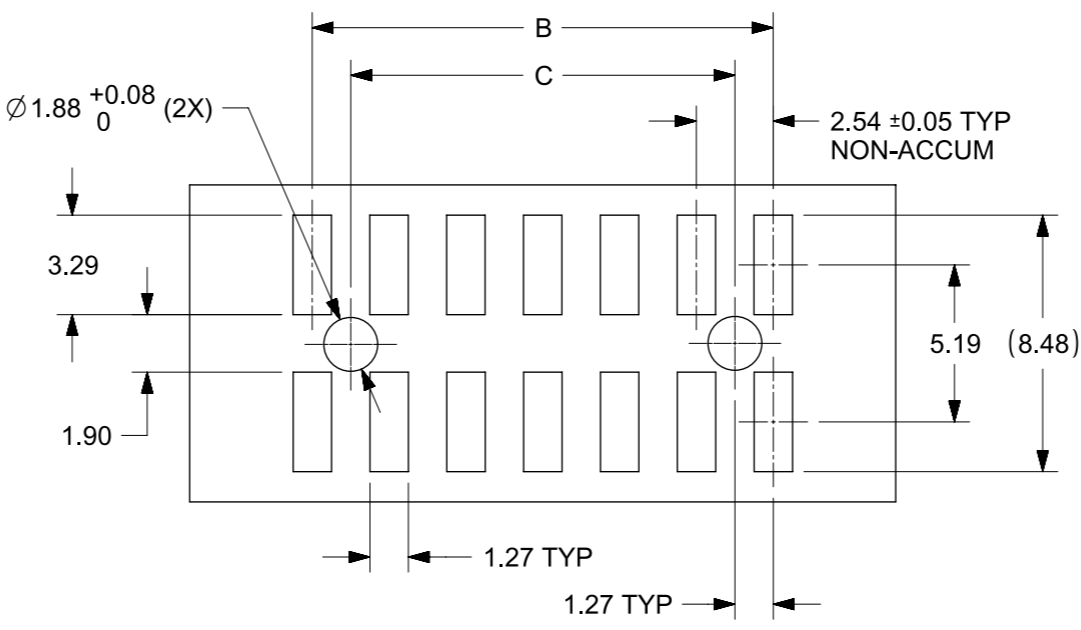
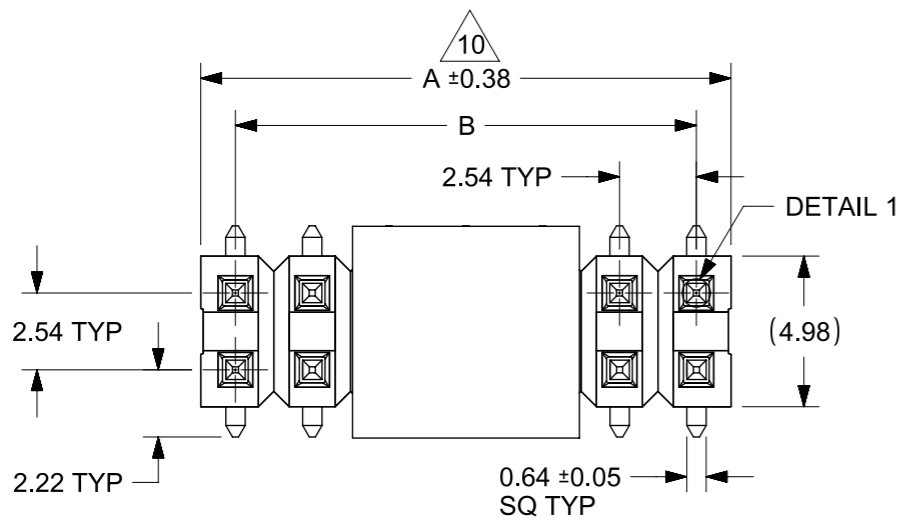
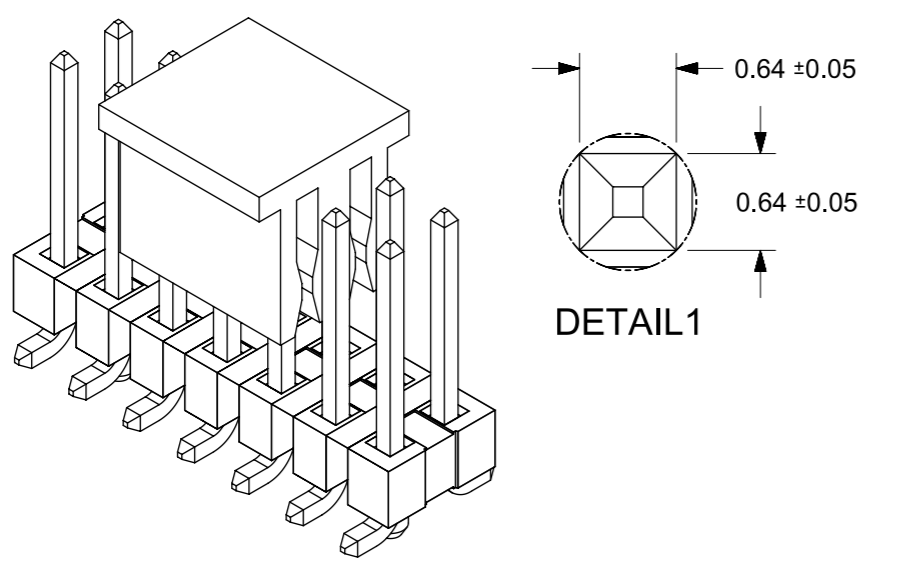
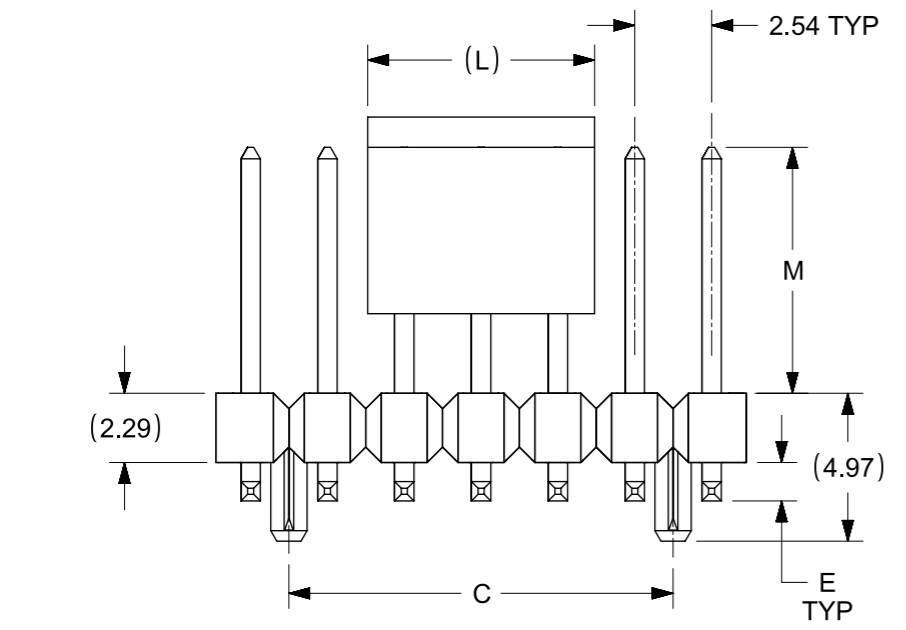
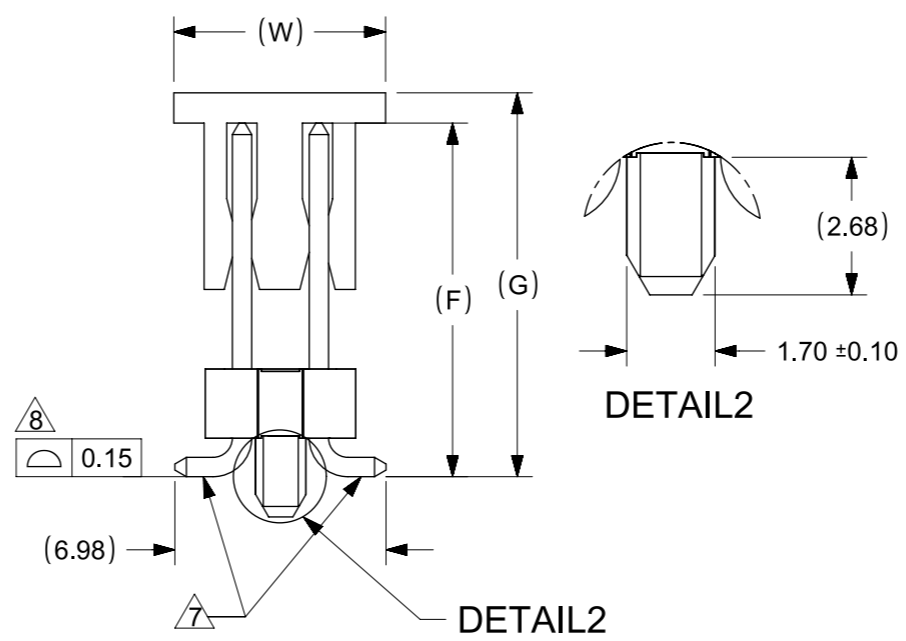


- NOTES:**
- MATERIAL:**
HSG: LCP, GLASS-FILLED, UL94V-0, COLOR: BLACK
CAP: NYLON, GLASS-FILLED, UL94V-0, COLOR: BLACK
PIN: 0.64MM SQ, COPPER ALLOY
 - PLATING TYPE:**
 - GOLD FLASH OVER
1.25µm MIN. NICKEL OVERALL.
 - GOLD FLASH ON CONTACT AND
2.50µm MIN. TIN ON SOLDER TAIL OVER
1.25µm MIN. NICKEL OVERALL.
 - 0.38µm MIN. GOLD PLATE ON CONTACT AND
2.00µm MIN. TIN ON SOLDER TAIL OVER
1.25µm MIN. NICKEL OVERALL.
 - 0.76µm MIN. GOLD PLATE ON CONTACT AND
2.00µm MIN. TIN ON SOLDER TAIL OVER
1.25µm MIN. NICKEL OVERALL.
 - 2.50µm MIN. TIN OVERALL
1.25µm MIN. NICKEL OVERALL
 - PACKAGING TYPE:** SEE TABLE
 - PCB THICKNESS:** 1.60+/-0.10mm
 - PRODUCT SPECIFICATION:** PS-87920-019
 - WAFER TO BE FLAT WITHIN:** 0.003 mm/mm
 - BEND DEPRESSION IS ACCEPTED SO LONG AS IT DOES NOT AFFECT THE OVERALL COPLANARITY OF TAIL**
 - COPLANARITY IS TO BE MEASURED BY RESTING THE SOLDER TAIL ON A FLAT SURFACE**
 - REFER SHEET 3 FOR THE CAP LOCATION. TOP SURFACE OF CAP TO BE FLAT FOR THE PURPOSE OF PICK & PLACE BY VACUUM SUCTION NOZZLE**
 - IRREGULAR CIRCUIT CUTOFF WITHIN BREAKAWAY SECTION IS PERMISSIBLE. CUTTING OR CHIPPING OF THE MAIN BODY IS NOT ACCEPTABLE**
 - PARTS ARE NOT STACKABLE ON 2.54 CENTER**
 - THE ABOVE CKT 14 IS FOR ILLUSTRATION PURPOSE ONLY**
 - TUBE LENGTH IS 560MM PER STANDARD**



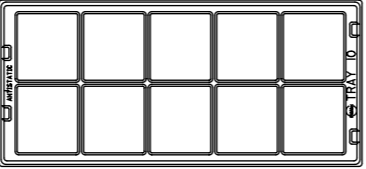
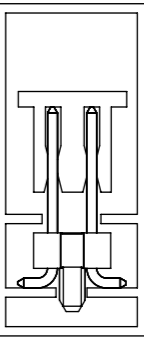
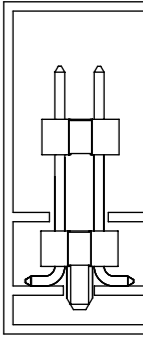
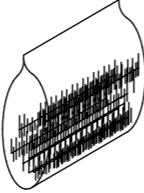
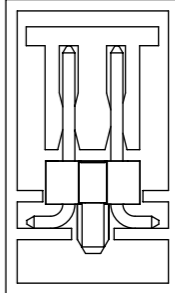
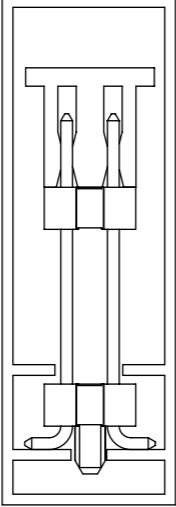
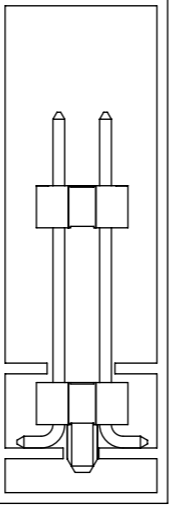
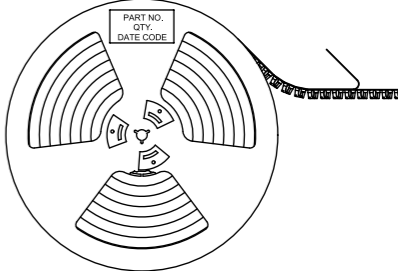
RECOMMENDED PCB LAYOUT




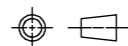
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

ADD 87920-7164 IN-4 EC NO: 118827 DRWN: PKH CHK'D: APPR: ISHWARG	2017/02/20	GENERAL TOLERANCES (UNLESS SPECIFIED) DIMENSION UNITS: MM, INCH SCALE: NTS DRWN BY: SKLIM01 DATE: 2007/04/17 CHK'D BY: DATE: APPR BY: CWLAM DATE: 2007/05/04 KWLEE DATE: 2007/05/04 DRAWING SIZE: A3 THIRD ANGLE PROJECTION	molex® CUSTOM HEADER 2.54MM PITCH DUAL ROW HEADER SINGLE WAFER, SMT			
	2017/07/12		PRODUCT CUSTOMER DRAWING			
	4 PLACES ± 3 PLACES ± 2 PLACES ± 0.2 1 PLACES ± 0 PLACES ±		SERIES: 87920	MATERIAL NUMBER: SEE TABLE	CUSTOMER: GENERAL MARKET	
	ANGULAR TOL ± 3.0 DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		DOCUMENT NUMBER: SD-87920-100 DOC TYPE: PSD DOC PART: 000 SHEET NUMBER: 1 OF 4			
	A5 REV:					

PACKAGING SPECIFICATION OVERVIEW

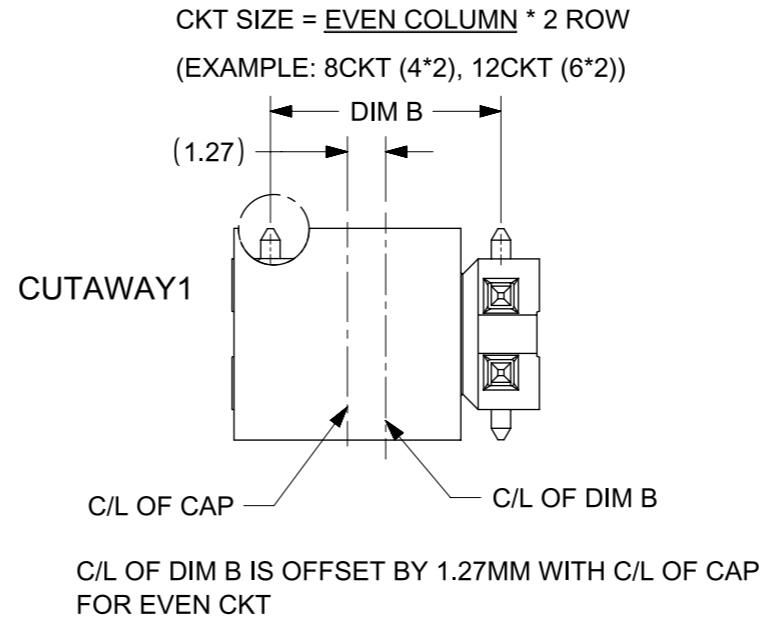
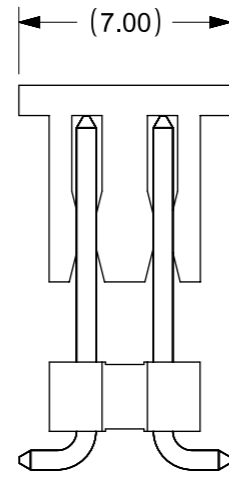
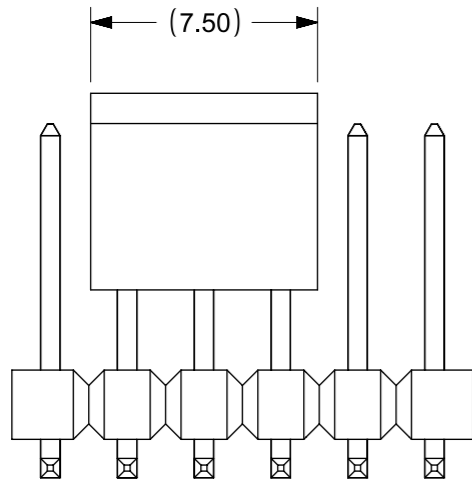
ITEM	PACKAGING TYPE	PACKAGING SPECIFICATION	RECOMMENDED LOADED ASSY HEIGHT	PART PACKED IN PACKAGING ORIENTATION (FOR REF. USE ONLY)	ITEM	PACKAGING TYPE	PACKAGING SPECIFICATION	RECOMMENDED LOADED ASSY HEIGHT	PART PACKED IN PACKAGING ORIENTATION (FOR REF. USE ONLY)
1	TRAY	PK-89990-489	DIM G/F= 60.0MM MAX.		4	TUBE	PK-89990-507	DIM G/F= < 17.0MM	 
2	BULK	PK-89990-491	-		5	TUBE	PK-89990-478	DIM G/F= 11.0MM MAX.	 <p>ONLY PACKED HEADER WITH CAP IN TUBE</p>
3	TUBE	PK-89990-508/ PK-89990-507	DIM G/F= 17.1~24.0MM	  <p>HEADER WITH CAP IN TUBE HEADER WITHOUT CAP IN TUBE</p>	6	TAPE & REEL	PK-87898-400 (REEL Ø: 330.0 MAX.)	DIM G/F= 15.0MM MAX.	

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

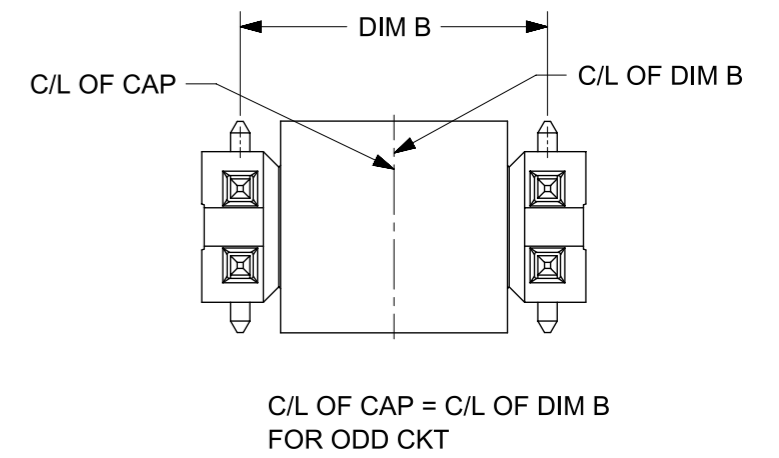
ADD 87920-7164 IN-4 EC NO: 118827 DRWN: PKH CHK'D: REV APPR: ISHWARG	2017/02/20	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION UNITS	SCALE	 CUSTOM HEADER 2.54MM PITCH DUAL ROW HEADER SINGLE WAFER, SMT				
		MM	INCH	MM	NTS					
		4 PLACES ±	±	DRWN BY		DATE		PRODUCT CUSTOMER DRAWING SERIES: 87920 MATERIAL NUMBER: SEE TABLE CUSTOMER: GENERAL MARKET		
		3 PLACES ±	±	SKLIM01		2007/04/17				
		2 PLACES ± 0.2	±	CHK'D BY		DATE				
	1 PLACES ±	±	CWLAM		2007/05/04		DOCUMENT NUMBER: SD-87920-100 DOC TYPE: PSD DOC PART: 000 SHEET NUMBER: 2 OF 4			
	0 PLACES ±	±	APPR BY		DATE					
			ANGULAR TOL ± 3.0		DRAWING SIZE		THIRD ANGLE PROJECTION			
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		A3					

RELEASE STATUS	RELEASE DATE
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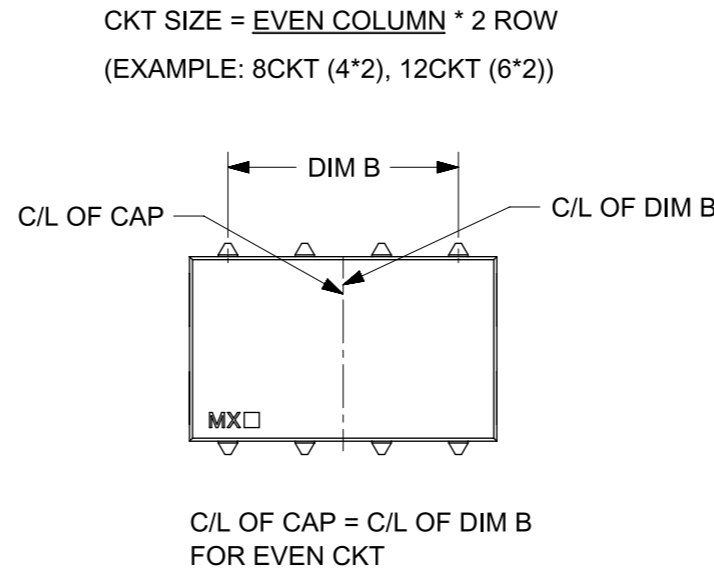
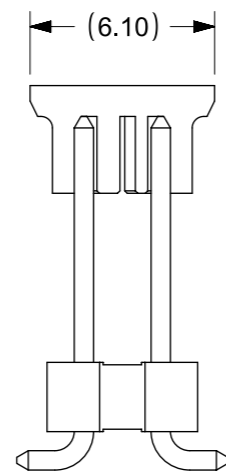
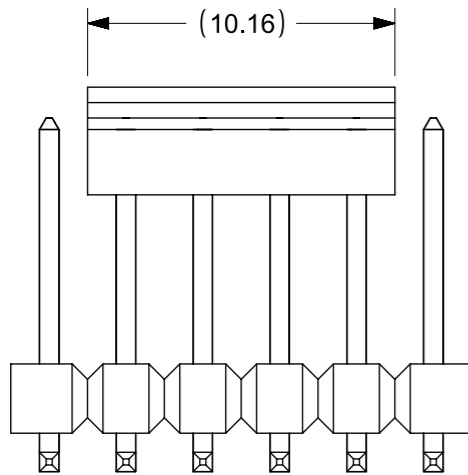
CAP INFORMATION: CAP OPTION A



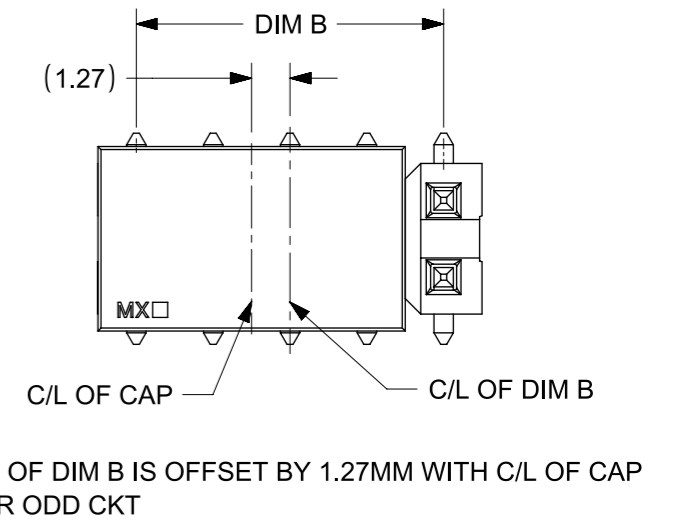
CKT SIZE = ODD COLUMN * 2 ROW & 4CKT
(EXAMPLE: 10CKT (5*2), 14CKT (7*2))



CAP INFORMATION: CAP OPTION B



CKT SIZE = ODD COLUMN * 2 ROW
(EXAMPLE: 10CKT (5*2), 14CKT (7*2))



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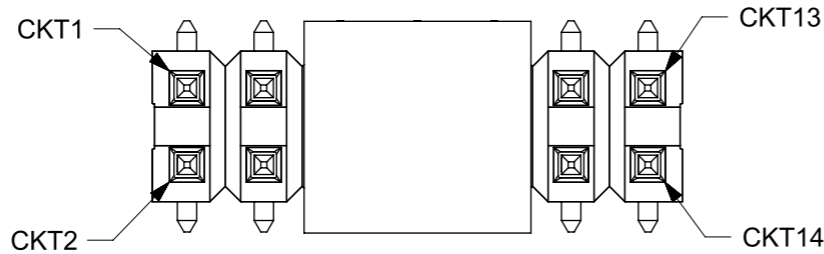
ADD 87920-7164 IN-4 EC NO: 118827 DRWN: PKH CHK'D: ISHWARG REV APPR: ISHWARG	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION UNITS		SCALE					
			MM	INCH	MM	NTS				
	4 PLACES	±	±	SKLIM01	DATE	2007/04/17	CUSTOM HEADER 2.54MM PITCH DUAL ROW HEADER SINGLE WAFER, SMT			
	3 PLACES	±	±	CHK'D BY	DATE					
	2 PLACES	± 0.2	±	CWLAM	2007/05/04					
1 PLACES	±	±	APPR BY	DATE		PRODUCT CUSTOMER DRAWING				
0 PLACES	±	±	KWLEE	2007/05/04						
ANGULAR TOL ± 3.0			DRAWING SIZE	THIRD ANGLE PROJECTION		SERIES	MATERIAL NUMBER	CUSTOMER		
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			A3			87920	SEE TABLE	GENERAL MARKET		
RELEASE STATUS		RELEASE DATE		A5		DOCUMENT NUMBER		DOC TYPE	DOC PART	SHEET NUMBER
						SD-87920-100		PSD	000	3 OF 4

RELEASE STATUS	RELEASE DATE

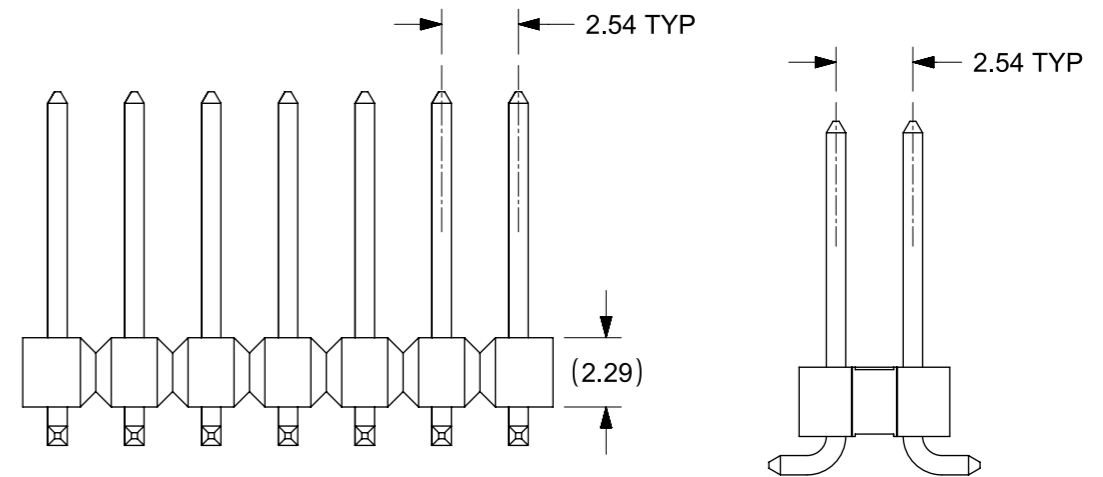
CKT SIZE	DIMENSION		
	A	B	C
04	5.08	2.54	-
06	7.62	5.08	-
08	10.16	7.62	5.08
10	12.70	10.16	7.62
12	15.24	12.70	10.16
14	17.78	15.24	12.70
16	20.32	17.78	15.24
18	22.86	20.32	17.78
20	25.40	22.86	20.32
22	27.94	25.40	22.86
24	30.48	27.94	25.40
26	33.02	30.48	27.94
28	35.56	33.02	30.48
30	38.10	35.56	33.02
32	40.64	38.10	35.56
34	43.18	40.64	38.10
36	45.72	43.18	40.64
38	48.26	45.72	43.18
40	50.80	48.26	45.72

PART NUMBER IN PACKAGING OPTION					CKT SIZE	PEG	PLATE OPT	VOID POSITION	DIMENSION				CAP OPTION	REMARKS
TRAY WITHOUT CAP	TRAY WITH CAP	TAPE & REEL WITH CAP	TUBE WITHOUT CAP	TUBE WITH CAP					G	F	E	MATING END M		
87920-1008	-	87920-1090	-	-	10	YES	5	-	9.08	8.06	1.27	4.50	B	SEE SHEET 3
-	-	-	-	87920-7164	16	YES	5	-	13.83	12.81	1.27	9.25	B	SEE SHEET 3
-	-	87920-2017	-	87920-2018	20	YES	5	-	14.76	13.74	1.27	10.18	B	SEE SHEET 3
-	-	87920-2299	-	-	22	YES	5	-	10.66	9.65	1.52	5.84	B	SEE SHEET 3

CIRCUITS POSITION CONFIGURATION



PART WITHOUT PEG & CAP VERSION



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ADD 87920-7164 IN-4 2017/02/20 EC NO: 118827 DRWN: PKH CHK'D: ISHWARG REV APPR: ISHWARG	GENERAL TOLERANCES (UNLESS SPECIFIED)			DIMENSION UNITS		SCALE					
		MM	INCH	MM		NTS					
	4 PLACES	±	±	DRWN BY		DATE		CUSTOM HEADER 2.54MM PITCH DUAL ROW HEADER SINGLE WAFER, SMT			
	3 PLACES	±	±	SKLIM01		2007/04/17					
	2 PLACES	± 0.2	±	CHK'D BY		DATE					
	1 PLACES	±	±	CWLAM		2007/05/04		PRODUCT CUSTOMER DRAWING			
0 PLACES	±	±	APPR BY		DATE						
ANGULAR TOL ± 3.0			DRAWING SIZE		THIRD ANGLE PROJECTION		SERIES	MATERIAL NUMBER	CUSTOMER		
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			A3				87920	SEE TABLE	GENERAL MARKET		
DOCUMENT NUMBER								DOC TYPE	DOC PART	SHEET NUMBER	
SD-87920-100								PSD	000	4 OF 4	

RELEASE STATUS	RELEASE DATE
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