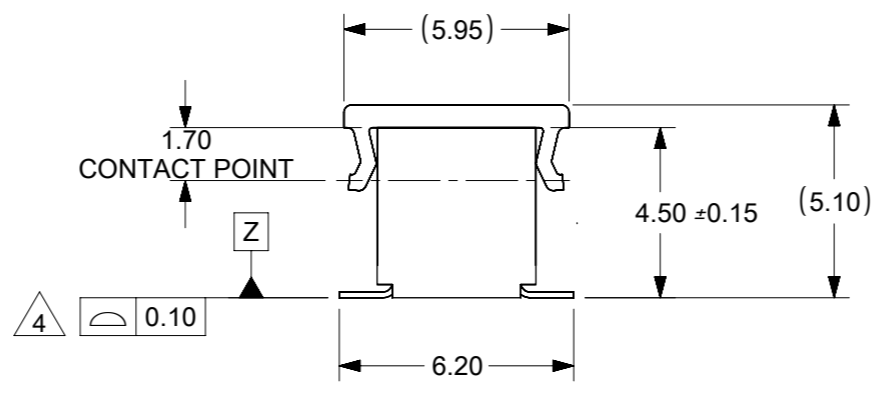
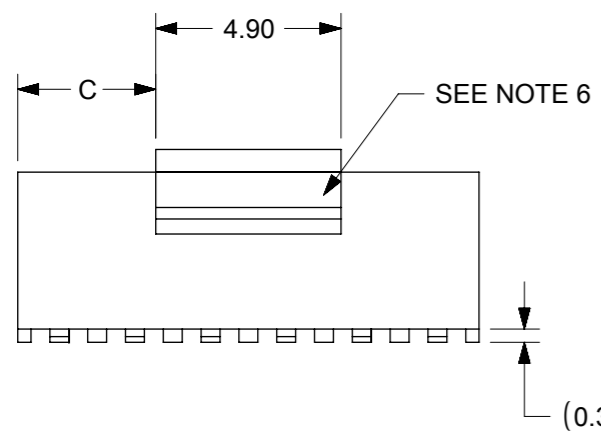
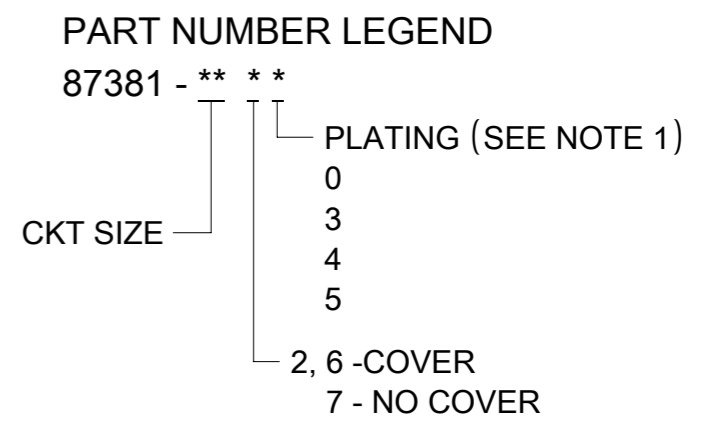


RECOMENDED PCB LAYOUT



PART NUMBER W/CAP IN TUBE	CKT. SIZE	DIM A	DIM B	DIM C
87381-06**	6	6.00	4.00	0.55
87381-08**	8	8.00	6.00	1.55
87381-10**	10	10.00	8.00	2.55
87381-12**	12	12.00	10.00	3.55
87381-14**	14	14.00	12.00	4.55
87381-16**	16	16.00	14.00	5.55
87381-18**	18	18.00	16.00	6.55
87381-20**	20	20.00	18.00	7.55
87381-22**	22	22.00	20.00	8.55
87381-24**	24	24.00	22.00	9.55
87381-26**	26	26.00	24.00	10.55
87381-28**	28	28.00	26.00	11.55
87381-30**	30	30.00	28.00	12.55
87381-32**	32	32.00	30.00	13.55
87381-34**	34	34.00	32.00	14.55
87381-36**	36	36.00	34.00	15.55
87381-38**	38	38.00	36.00	16.55
87381-40**	40	40.00	38.00	17.55
87381-42**	42	42.00	40.00	18.55
87381-44**	44	44.00	42.00	19.55
87381-46**	46	46.00	44.00	20.55
87381-48**	48	48.00	46.00	21.55
87381-50**	50	50.00	48.00	22.55

- NOTES:
- PLATING FINISH:
 - 0, 3 - 0.76µm MIN. GOLD IN CONTACT AREA 1.27µm MIN. TIN IN SOLDER TAIL AREA BOTH OVER 1.27µm MIN. NICKEL OVERALL
 - 4 - 0.38µm MIN. GOLD IN CONTACT AREA 1.27µm MIN. TIN IN SOLDER TAIL AREA BOTH OVER 1.27µm MIN. NICKEL OVERALL
 - 5 - 0.05µm MIN. GOLD FLASH IN CONTACT AREA 1.90µm MIN. TIN IN SOLDER TAIL AREA BOTH OVER 1.27µm MIN. NICKEL OVERALL
 - 12 CKT SIZE SHOWN FOR ASSY ILLUSTRATION ONLY. (SEE CHART FOR ALL PART SIZES), 6 CKT & 30 CKT ILLUSTRATED FOR TAPE/REEL VERSION ON SHT 2.
 - PRODUCT SPECIFICATION PS-87380 APPLIES. COPLANARITY OF SOLDER TAILS ARE TO BE MEASURED BY RESTING THE PART ON A FLAT GAUGE SURFACE +0.05 UPWARDS AND -0.05 DOWNWARDS.
 - TUBE PACKAGING STANDARD.
 - COVER IS OPTIONAL, SEE LEGEND.
 - PARTS SHALL BE PACKED IN MOISTURE BARRIER BAG.
 - REFER SHT 3 FOR P/N: 87381-6000 T&R ILLUSTRATION.
 - PEG AND PCB HOLE OPTIONAL DEPENDING UPON THE PART



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:	molex		
mm	NTS				
GENERAL TOLERANCES (UNLESS SPECIFIED)			MGRID, TOP ENTRY RECEPT. 4.50MM HT., SMT		
			PRODUCT CUSTOMER DRAWING		
4 PLACES ±			EC NO: 629056	DOCUMENT NUMBER	DOC TYPE
3 PLACES ±			DRWN: ABABUPS 2019/10/31	SD-87381-XX6X	PSD
2 PLACES ± 0.2			CHK'D: MRAMAKRISHNA 2019/12/12	DOC PART	001
1 PLACE ±			APPR: MRAMAKRISHNA 2019/12/12	REVISION	E16
0 PLACES ±			INITIAL REVISION:		
ANGULAR TOL ± 3.0°			DRWN: JAMES 1998/01/08		
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			APPR: SQUEK 1999/04/26		
THIRD ANGLE PROJECTION			DRAWING	SERIES	MATERIAL NUMBER
A3-SIZE			87381	SEE CHART	GENERAL MARKET
SHEET NUMBER			1 OF 5		

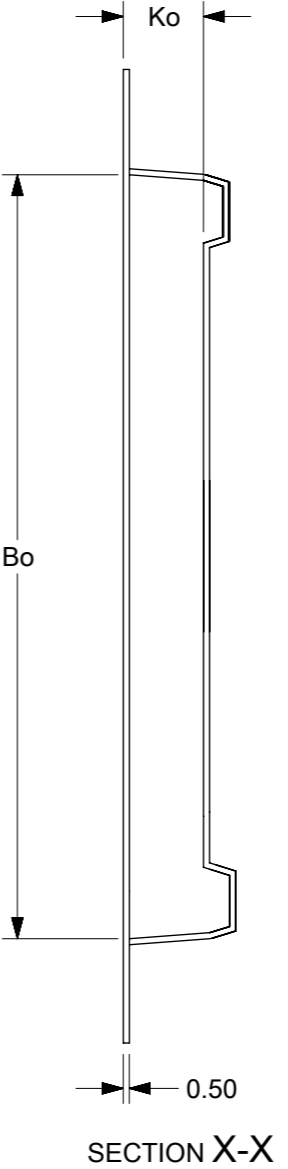
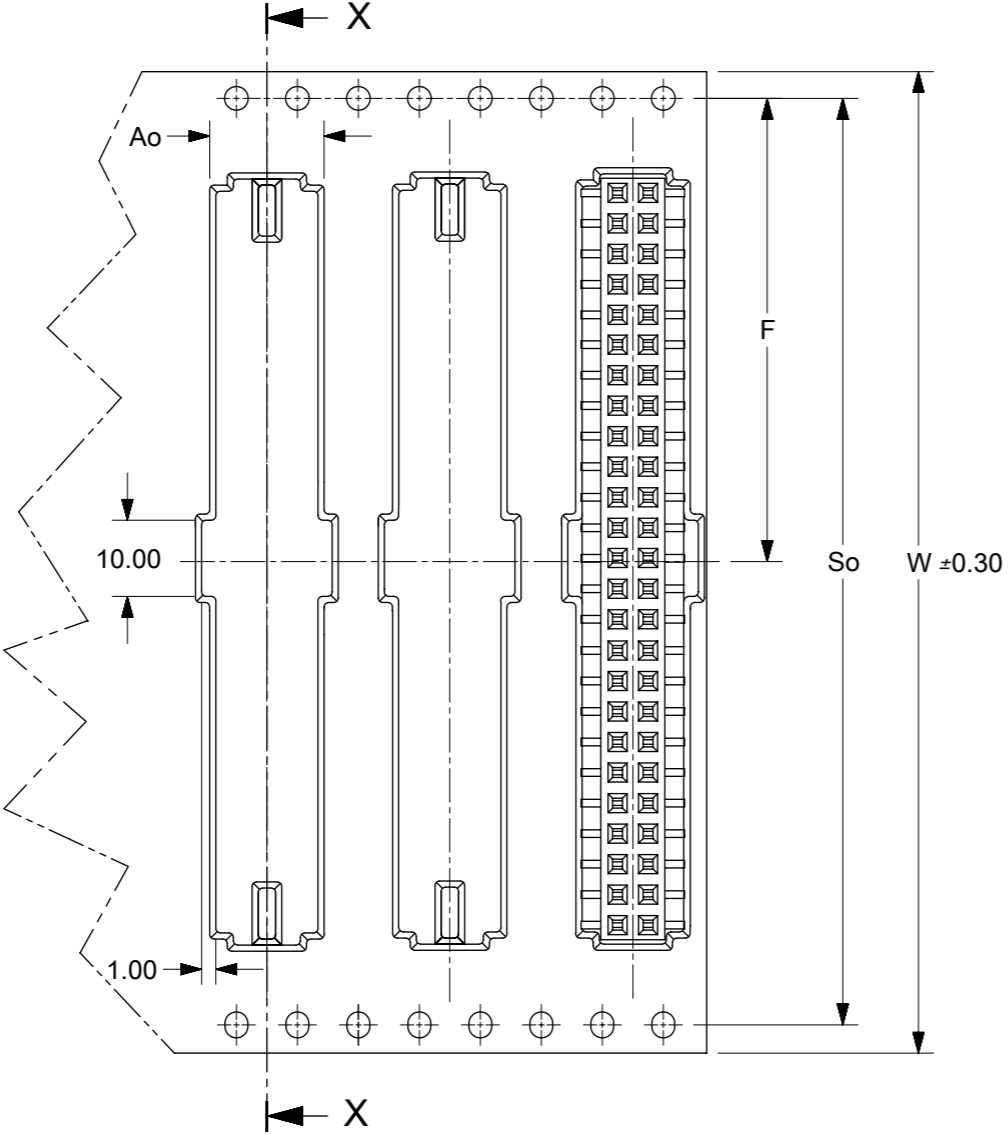
CKT SIZE	PART No. IN TUBE	PART NO. WITH CAP IN TAPE/REEL	PART NO. WITH PEG WITH CAP IN TAPE/REEL	W	So	Ao	F	Bo	Ko	T & R QUANTITY PER REEL
6	87381-0664	87381-9002	-	24	-	7.00	11.50	6.50	5.30	500
8	87381-0864	87381-9003	-	24	-	7.00	11.50	8.50	5.30	600
10	87381-1064	87381-9005	-	24	-	7.00	11.50	10.50	5.30	680
12	87381-1264	87381-9007	-	24	-	7.00	11.50	12.50	5.30	600
14	87381-1464	87381-9006	-	32	28.40	7.20	14.20	14.50	5.30	750
16	87381-1664	87381-9004	-	32	28.40	7.20	14.20	16.50	5.30	800
18	87381-1864	87381-1800	-	32	28.40	7.20	14.20	18.50	5.30	750
20	87381-2063	87381-2000	-	32	28.40	7.20	14.20	20.50	5.30	800
22	87381-2264	87381-2200	-	44	40.40	7.20	20.20	22.50	5.30	500
30	87381-3064	87381-3000	-	44	40.40	7.20	20.20	30.50	5.30	500
32	87381-3264	87381-3200	-	44	40.40	7.20	20.20	32.50	5.30	500
34	87381-3464	87381-3400	-	56	52.40	7.20	26.20	34.50	5.30	500
40	87381-4063	-	-	56	52.40	8.40	26.20	40.40	5.60	750
40	-	87381-4000	-	56	52.40	8.40	26.20	40.40	5.60	400
44	87381-4464	87381-4400	-	56	52.40	7.20	26.20	44.50	5.30	500
46	87381-4664	87381-4600	-	72	68.40	7.20	34.20	46.50	5.30	750
50	87381-5063	87381-5030	-	72	68.40	7.20	34.20	50.50	5.30	500
50	87381-5064	87381-5000	-	72	68.40	7.20	34.20	50.50	5.30	500

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DIMENSION UNITS		SCALE		CURRENT REV DESC:				molex	
mm		NTS							
GENERAL TOLERANCES (UNLESS SPECIFIED)				EC NO: 629056				MGRID, TOP ENTRY RECEPT. 4.50MM HT., SMT	
				DRWN: ABABUPS 2019/10/31					
				CHK'D: MRAMAKRISHNA 2019/12/12				PRODUCT CUSTOMER DRAWING	
				APPR: MRAMAKRISHNA 2019/12/12					
				INITIAL REVISION:				DOCUMENT NUMBER	
				DRWN: JAMES 1998/01/08				SD-87381-XX6X	
				APPR: SQUEK 1999/04/26				DOC TYPE	
				ANGULAR TOL ± 3.0°				PSD	
				DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				DOC PART	
				THIRD ANGLE PROJECTION				001	
				DRAWING				REVISION	
				A3-SIZE				E16	
				SERIES				SHEET NUMBER	
				87381				3 OF 5	
				MATERIAL NUMBER				CUSTOMER	
				SEE CHART				GENERAL MARKET	

DOCUMENT STATUS	P1	RELEASE DATE	2019/12/12	12:22:42
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CKT SIZE	PART No. WITHOUT CAP IN TUBE	PART NO. WITHOUT CAP IN TAPE / REEL	W	So	Ao	F	Bo	Ko	T & R TYPE (SHT 2)	T&R QTY PER REEL
50	87381-5074	87381-6000 \triangle_8	72	68.40	6.80	34.20	50.50	8.00	B	500

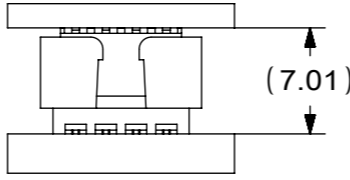
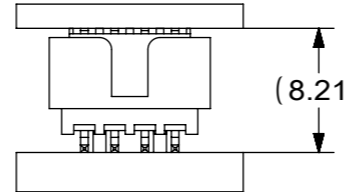
\triangle_8 ILLUSTRATION FOR P/N: 87381-6000
50 CKT IN T&R W/O CAP

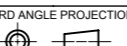


THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION											
DIMENSION UNITS		SCALE		CURRENT REV DESC:							
mm		NTS									
GENERAL TOLERANCES (UNLESS SPECIFIED)				EC NO: 629056				MGRID, TOP ENTRY RECEPT. 4.50MM HT., SMT			
				DRWN: ABABUPS 2019/10/31							
4 PLACES ±				CHK'D: MRAMAKRISHNA 2019/12/12							
3 PLACES ±				APPR: MRAMAKRISHNA 2019/12/12				PRODUCT CUSTOMER DRAWING			
2 PLACES ± 0.2				INITIAL REVISION:				DOCUMENT NUMBER			
1 PLACE ±				DRWN: JAMES 1998/01/08				SD-87381-XX6X			
0 PLACES ±				APPR: SQUEK 1999/04/26				PSD 001 E16			
ANGULAR TOL ± 3.0°				DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION			
				DRAWING				SERIES			
				A3-SIZE				87381			
				MATERIAL NUMBER				CUSTOMER			
				SEE CHART				GENERAL MARKET			
				SHEET NUMBER				4 OF 5			

DOCUMENT STATUS	P1	RELEASE DATE	2019/12/12	12:22:42
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BOARD TO BOARD (BTB) DISTANCE

RECEPTACLE	MATES WITH(HEADER)	BTB DISTANCE	PICTORIAL VIEW
87381	87831	7.01	
	87832	8.21	

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DIMENSION UNITS		SCALE		CURRENT REV DESC:				molex	
mm		NTS							
GENERAL TOLERANCES (UNLESS SPECIFIED)				EC NO: 629056				MGRID, TOP ENTRY RECEPT. 4.50MM HT., SMT	
		MM	INCH	DRWN: ABABUPS		2019/10/31			
4 PLACES		±	±	CHK'D: MRAMAKRISHNA		2019/12/12			
3 PLACES		±	±	APPR: MRAMAKRISHNA		2019/12/12			
2 PLACES		± 0.2	±	INITIAL REVISION:				PRODUCT CUSTOMER DRAWING	
1 PLACE		±	±	DRWN: DRWN BY		XXXX/XX/XX		DOCUMENT NUMBER	
0 PLACES		±	±	APPR: APPR BY		XXXX/XX/XX		SD-87381-XX6X	
ANGULAR TOL		± 3.0°		THIRD ANGLE PROJECTION		DRAWING		DOC TYPE	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS						A3-SIZE		PSD	
				SERIES		MATERIAL NUMBER		DOC PART	
				87381				001	
				CUSTOMER		SHEET NUMBER		REVISION	
				GENERAL MARKET		5 OF 5		E16	