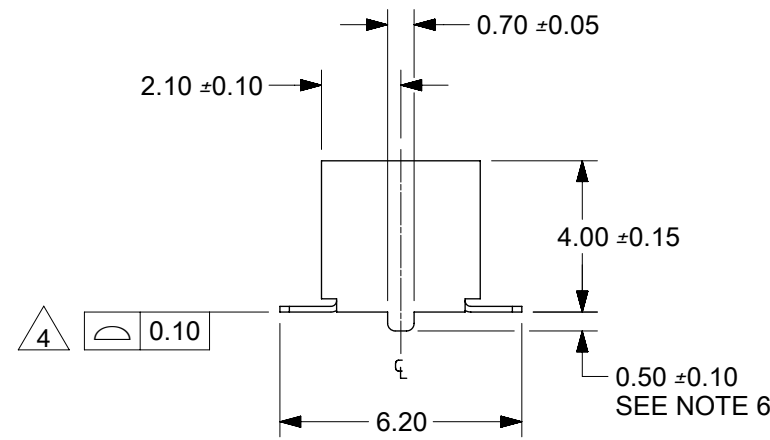
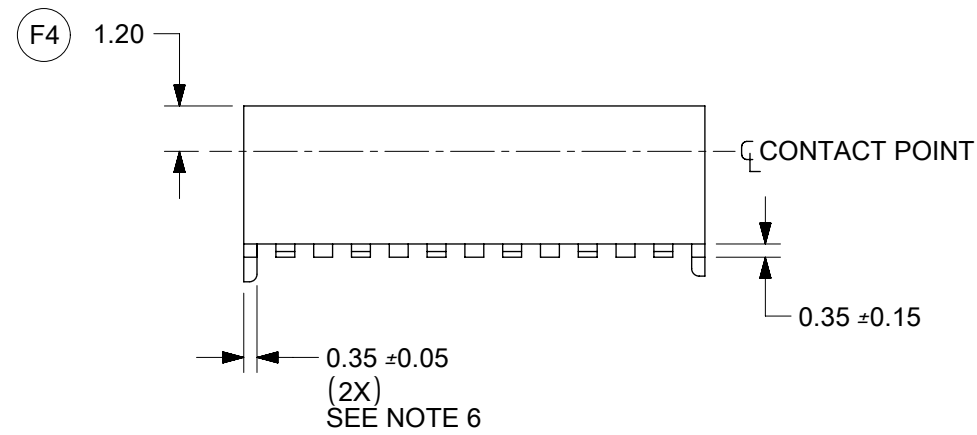
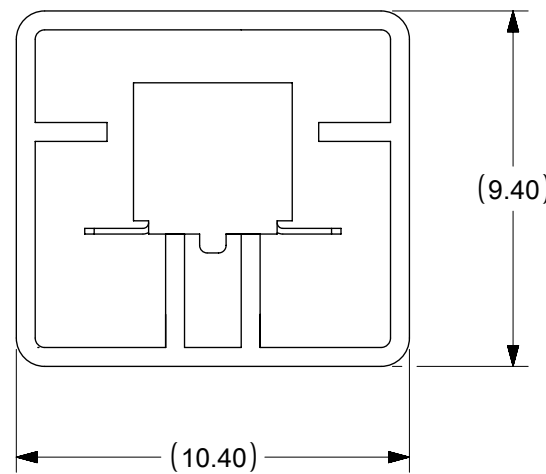


RECOMENDED PCB LAYOUT



NOTES:

1. PLATING FINISH:  
GOLD PLATING OPTION IN CONTACT AREA (SEE SHT 2)  
TIN IN SOLDER TAIL AREA  
BOTH OVER 1.27µm MIN NICKEL OVERALL
2. 12 CKT SIZE SHOWN FOR ILLUSTRATION ONLY. SEE CHART FOR ALL AVAILABLE PART SIZES.
3. PRODUCT SPECIFICATION PS-87380 APPLIES.
4. COPLANARITY OF SOLDER TAIL IS TO BE MEASURED BY RESTING THE PART ON A FLAT GAUGE SURFACE  
↑ +0.05 UPWARDS AND ↓ -0.05 DOWNWARDS.
5. OTHER PLATING OPTIONS AVAILABLE . PLEASE CONTACT FACTORY
6. PEG AND PCB HOLE OPTIONAL. SEE PART LEGEND FOR PART CONFIGURATION
7. PARTS SHALL BE PACKED IN MOISTURE BARRIER BAG.



PART IN TUBE

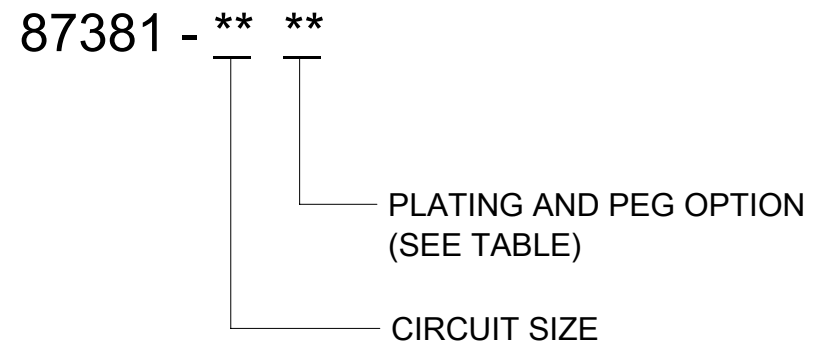
PART No.	CKT. SIZE	DIM A	DIM B
87381-06**	6	4.00	6.00
87381-08**	8	6.00	8.00
87381-10**	10	8.00	10.00
87381-12**	12	10.00	12.00
87381-14**	14	12.00	14.00
87381-16**	16	14.00	16.00
87381-18**	18	16.00	18.00
87381-20**	20	18.00	20.00
87381-22**	22	20.00	22.00
87381-24**	24	22.00	24.00
87381-26**	26	24.00	26.00
87381-28**	28	26.00	28.00
87381-30**	30	28.00	30.00
87381-32**	32	30.00	32.00
87381-34**	34	32.00	34.00
87381-36**	36	34.00	36.00
87381-38**	38	36.00	38.00
87381-40**	40	38.00	40.00
87381-42**	42	40.00	42.00
87381-44**	44	42.00	44.00
87381-46**	46	44.00	46.00
87381-48**	48	46.00	48.00
87381-50**	50	48.00	50.00

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		CURRENT REV DESC: ADDED BTB DIST.		<b>molex</b>	
DIMENSION UNITS: mm		SCALE: NTS			
GENERAL TOLERANCES (UNLESS SPECIFIED)		EC NO: 619055		MGRID	
4 PLACES ± 0.2		DRWN: HK02 2019/05/14		4MM HT., WITH LOC. PEG	
3 PLACES ± 0.2		CHK'D: NMANE02 2019/07/09		PRODUCT CUSTOMER DRAWING	
2 PLACES ± 0.2		APPR: MRAMAKRISHNA 2019/07/09		DOCUMENT NUMBER	
1 PLACE ± 0.2		INITIAL REVISION:		SD-87381-XXXX	
0 PLACES ± 0.2		DRWN: TAY 1993/01/21		DOC TYPE	
ANGULAR TOL ± 3.0°		APPR: RWONG 1993/01/27		PSD	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION		DOC PART	
		DRAWING: A3-SIZE		001	
		SERIES: 87381		REVISION: F5	
		MATERIAL NUMBER: SEE CHART		SHEET NUMBER: 1 OF 3	
		CUSTOMER: GENERAL MARKET			

E

PEG OPTION	PLATING OPTION		
	0.05µm MIN GOLD 1.90µm MIN TIN	0.76µm MIN GOLD 1.27µm MIN TIN	0.38µm MIN GOLD 1.27µm MIN TIN
NO	**37	**07	**08
YES	**38	**17	**18

### PART NUMBER LEGEND



D

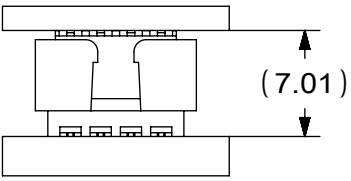
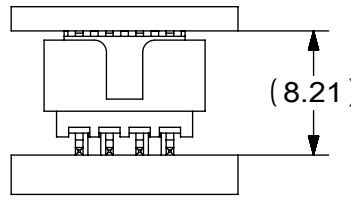
C


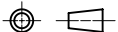
B

A

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DIMENSION UNITS <b>mm</b>		SCALE <b>NTS</b>		CURRENT REV DESC: ADDED BTB DIST.				<b>molex</b>		MGRID 4MM HT., WITH LOC. PEG
GENERAL TOLERANCES (UNLESS SPECIFIED)				EC NO: 619055						
		MM	INCH	DRWN: HK02		2019/05/14		PRODUCT CUSTOMER DRAWING		
4 PLACES ±				CHK'D: NMANE02		2019/07/09		DOCUMENT NUMBER		
3 PLACES ±				APPR: MRAMAKRISHNA		2019/07/09		SD-87381-XXXX		
2 PLACES ± 0.2				INITIAL REVISION:		1993/01/21		DOC TYPE	DOC PART	
1 PLACE ±				DRWN: TAY		1993/01/27		PSD	001	
0 PLACES ±				APPR: RWONG		1993/01/27		F5	REVISION	
ANGULAR TOL ± 3.0°				DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION	DRAWING	SERIES	MATERIAL NUMBER	
							A3-SIZE	87381	SEE CHART	
								CUSTOMER	SHEET NUMBER	
								GENERAL MARKET	2 OF 3	

**BOARD TO BOARD (BTB) DISTANCE**

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

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: ADDED BTB DIST.							
mm		NTS									
GENERAL TOLERANCES (UNLESS SPECIFIED)				EC NO: 619055				MGRID 4MM HT., WITH LOC. PEG			
				DRWN: HK02 2019/05/14							
				CHK'D: NMANE02 2019/07/09				PRODUCT CUSTOMER DRAWING			
				APPR: MRAMAKRISHNA 2019/07/09							
				INITIAL REVISION:				DOCUMENT NUMBER SD-87381-XXXX			
				DRWN: DRWN BY XXXX/XX/XX							
				APPR: APPR BY XXXX/XX/XX				DOC TYPE PSD			
				ANGULAR TOL ± 3.0°							
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION		DRAWING		SERIES		SHEET NUMBER	
						A3-SIZE		87381		3 OF 3	
CUSTOMER				GENERAL MARKET							

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