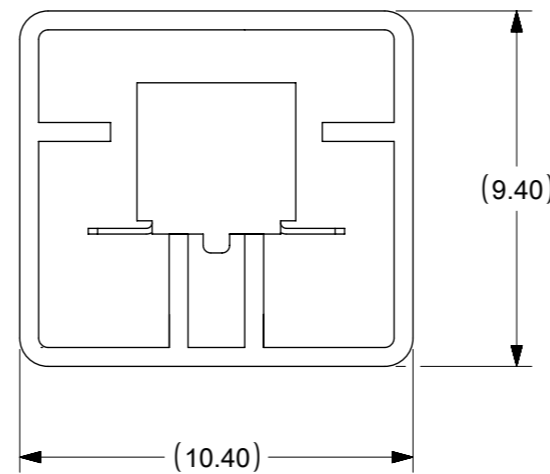
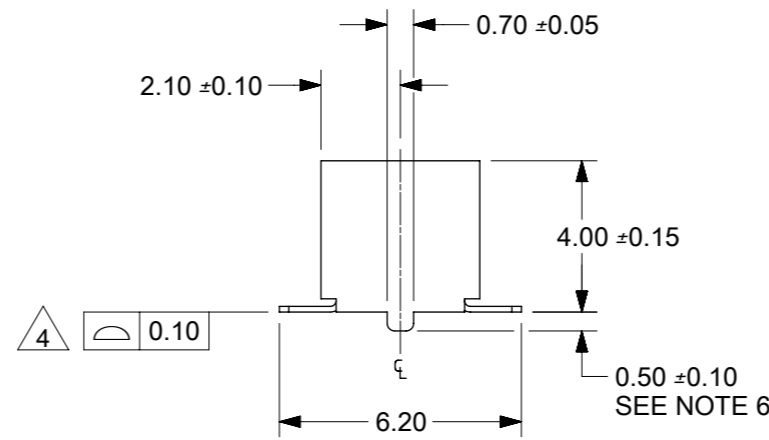
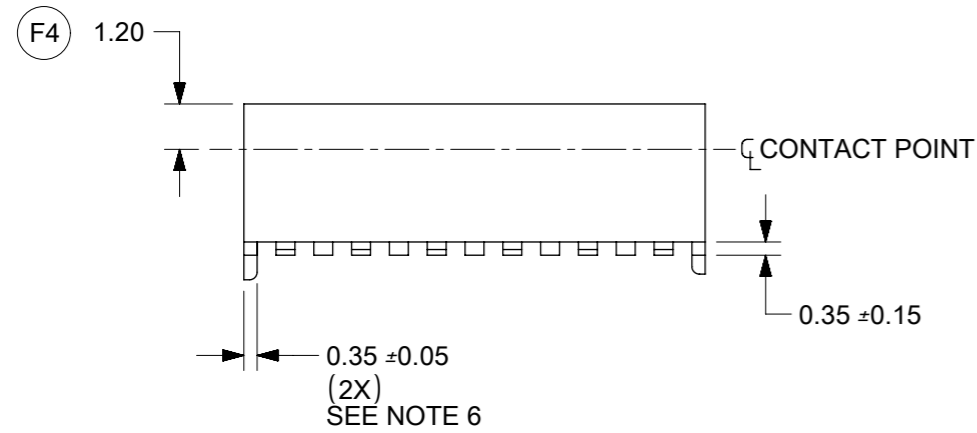


RECOMENDED PCB LAYOUT



PART IN TUBE

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 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

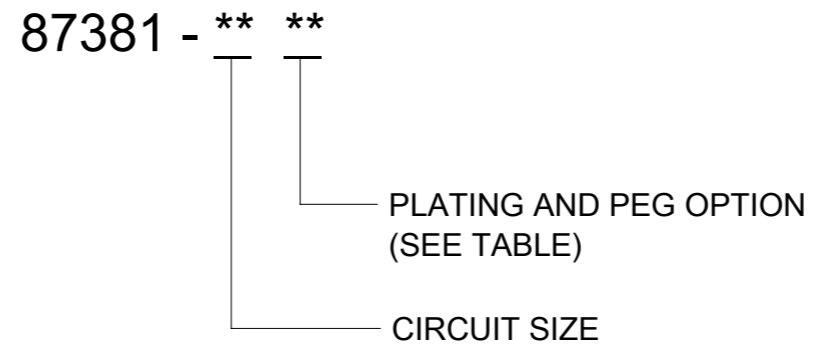
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		CURRENT REV DESC: ADDED BTB DIST.																																							
<table border="1"> <tr><th>DIMENSION UNITS</th><th>SCALE</th></tr> <tr><td>mm</td><td>NTS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

9 8 7 6 5 4 3 2 1

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

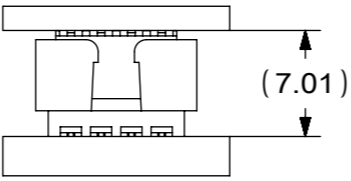
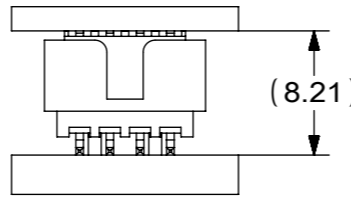
A


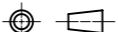
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION										
DIMENSION UNITS		SCALE		CURRENT REV DESC: ADDED BTB DIST.						MGRID 4MM HT., WITH LOC. PEG
mm		NTS								
GENERAL TOLERANCES (UNLESS SPECIFIED)			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

9 8 7 6 5 4 3 2 1

A

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			
		MM	INCH	DRWN: HK02		2019/05/14					
4 PLACES		±	±	CHK'D: NMANE02		2019/07/09		PRODUCT CUSTOMER DRAWING			
3 PLACES		±	±	APPR: MRAMAKRISHNA		2019/07/09					
2 PLACES		± 0.2	±	INITIAL REVISION:				DOCUMENT NUMBER			
1 PLACE		±	±	DRWN: DRWN BY				XXXX/XX/XX		DOC TYPE	
0 PLACES		±	±	APPR: APPR BY				XXXX/XX/XX		DOC PART	
ANGULAR TOL		± 3.0°						SD-87381-XXXX		REVISION	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION		DRAWING		SERIES		MATERIAL NUMBER	
						A3-SIZE		87381		CUSTOMER	
								GENERAL MARKET		SHEET NUMBER	
										3 OF 3	