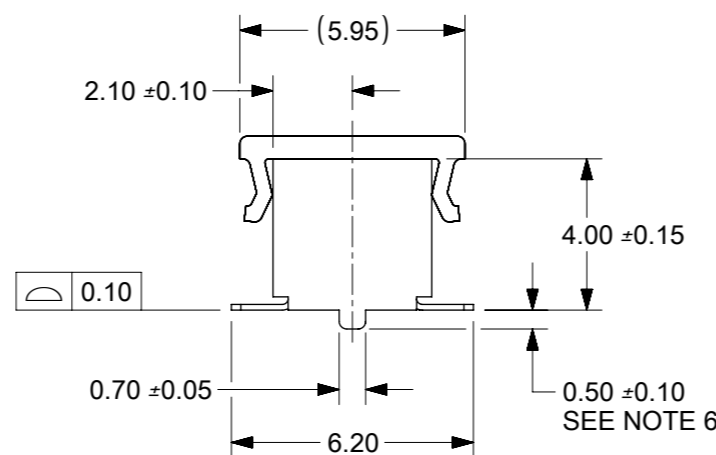
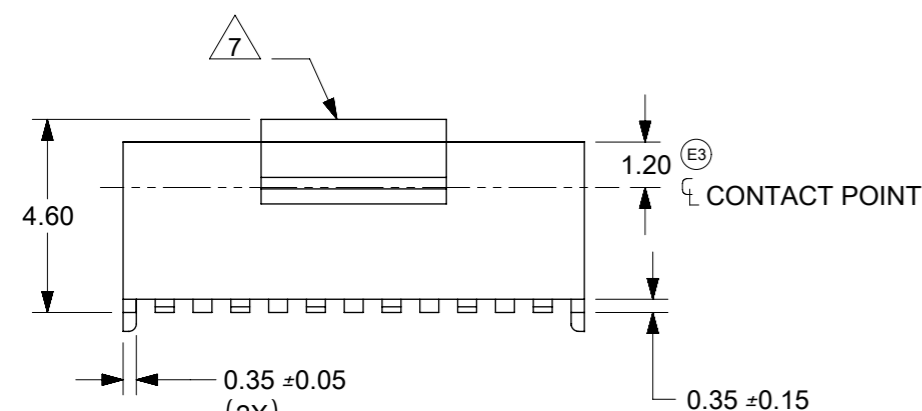


CONNECTOR ORIENTATION IN TUBE



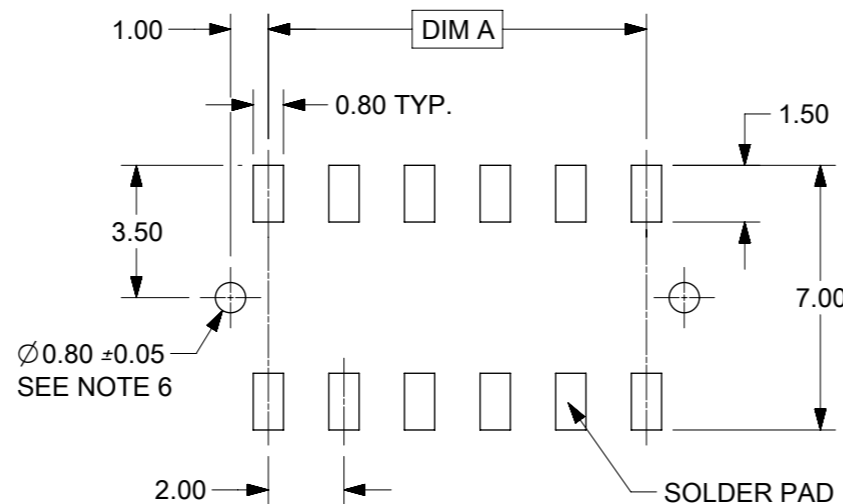
PART NUMBER LEGEND

87381 - ** **

CKT SIZE — ** — PLATING
 5 (SEE NOTE 1)
 9
 3 (E3) — PEG OPTION
 0 WITHOUT PEG
 1 WITH PEG

NOTES:

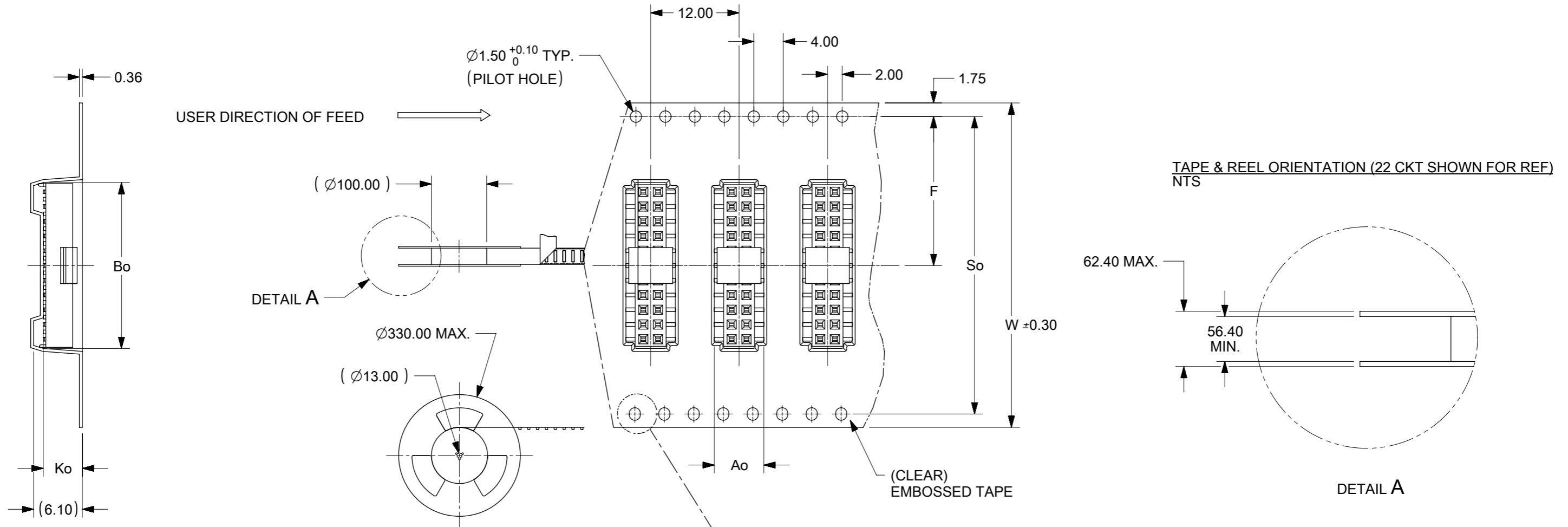
- PLATING FINISH :
 5 - 0.76µm MIN. GOLD IN CONTACT AREA
 1.27µm MIN TIN IN SOLDER TAIL AREA
 BOTH OVER 1.27µm MIN NICKEL OVERALL
 9 - 0.38µm MIN GOLD IN CONTACT AREA
 1.27µm MIN TIN IN SOLDER TAIL AREA
 BOTH OVER 1.27µm MIN NI OVERALL
 (E3) 3 - 0.05µm MIN. GOLD IN CONTACT AREA
 1.90µm MIN TIN IN SOLDER TAIL AREA
 BOTH OVER 1.27µm MIN NICKEL OVERALL
- MATERIAL:
 HOUSING : NYLON 4/6, 94V-0, COLOUR BLACK
 CAP : NYLON, GLASS FILLED, COLOUR BLACK
 TERMINAL : COPPER ALLOY
 EMBOSS TAPE : CLEAR POLYSTYRENE
 COVER TAPE : CLEAR POLYESTER
- PRODUCT SPECIFICATION PS-87380 APPLIES
- COPLANARITY OF SOLDER TAILS ARE TO BE MEASURED BY RESTING THE PART ON A FLAT GAUGE SURFACE
- OTHER PLATING OPTIONS AVAILABLE. PLEASE CONTACT FACTORY
- PEG AND PCB HOLE OPTIONAL. SEE PART LEGEND FOR PART CONFIGURATON
- (7) POSITION OF CAP TO BE LOCATED AT CENTER OF DIM A REGARDLESS OF CKT SIZES.
- 12 CKT SIZE SHOWN FOR ILLUSTRATION ONLY. SEE CHART FOR ALL AVAILABLE PART SIZES. 22 CKT ILLUSTRATED FOR TAPE/REEL VERSION ON SHT 2.
- PACKING QTY PER REEL IS PER TABLE IN SHT 2.
- PARTS SHALL BE PACKED IN MOISTURE BARRIER BAG.



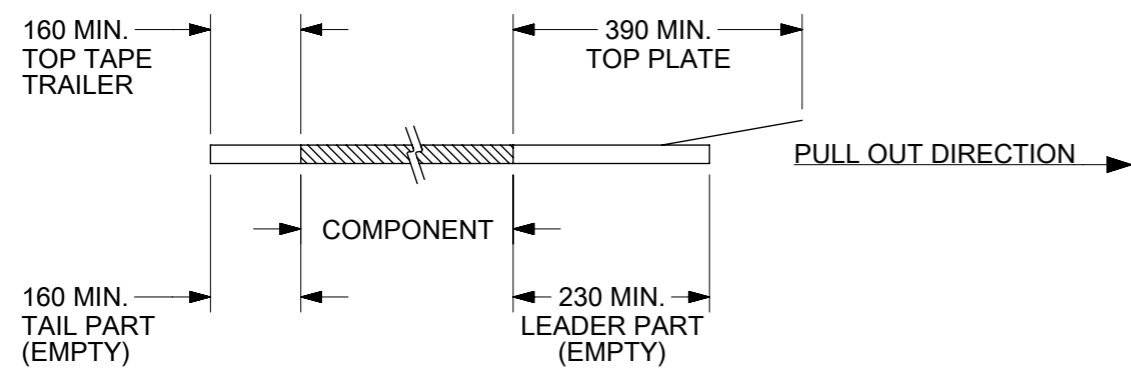
RECOMENDED PCB LAYOUT

PART NUMBER W/CAP IN TUBE	CKT. SIZE	DIM A	DIM B
87381-04**	4	2.00	4.00
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

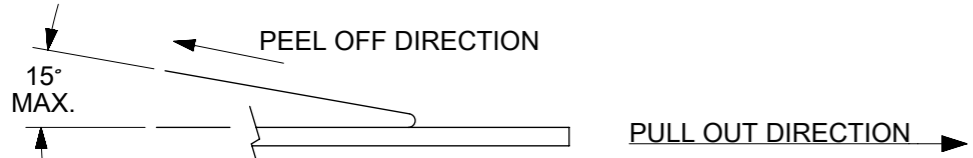
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		CURRENT REV DESC: ADDED BTB DIST.		molex	
DIMENSION UNITS: mm NTS		SCALE: NTS			
GENERAL TOLERANCES (UNLESS SPECIFIED)		EC NO: 619055		MGRID, TOP ENTRY RECEPT.	
4 PLACES ±		DRWN: SCS02 2018/09/18		4MM HT., W/PEGS/CAP IN TUBE AND T&R, SMT	
3 PLACES ±		CHK'D: NMANE02 2019/07/09		PRODUCT CUSTOMER DRAWING	
2 PLACES ± 0.2 ±		APPR: MRAMAKRISHNA 2019/07/09		DOCUMENT NUMBER	
1 PLACE ±		INITIAL REVISION:		SD-87381-XXX3	
0 PLACES ±		DRWN: KSEE 1999/01/06		DOC TYPE	
ANGULAR TOL ± 3.0°		APPR: SKTOH 1999/01/11		PSD	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION		DOC PART	
		DRAWING: A3-SIZE		001	
		SERIES: 87381		REVISION: E4	
		MATERIAL NUMBER: SEE CHART		SHEET NUMBER: 1 OF 3	
		CUSTOMER: GENERAL MARKET			



NOTES:
1. LEADER AND TRAILER TAPE



2. PEELING OFF FORCE OF THE TOP TAPE: 20-80gf.
(PEELING DIRECTION AS SHOWN IN FOLLOWING FIGURE)



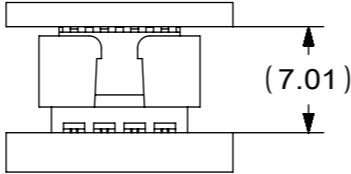
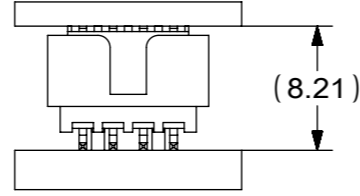
3. PACKAGING STANDARD IS AS PER EIA-481.
4. TAPE & REEL QUANTITY = 800PCS/REEL.

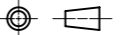
CKT SIZE	PLATING FINISH (SEE NOTE #1)	PART NO WITH CAP IN TAPE/REEL	PART NO WITH CAP IN TUBE	W	So	Ao	F	Bo	Ko
06	9	87381-9013	87381-0619	24.00	-	7.00	11.50	6.50	4.80
	3	(E3) 87381-9011	(E3) 87381-0613						
	5	(E3) 87381-9012	87381-0615						
08	9	87381-9016	87381-0819	24.00	-	7.00	11.50	8.50	4.80
10	5	87381-9030	87381-1015	24.00	-	7.00	11.50	10.50	4.80
30	9	87381-9015	87381-3019	56.00	52.40	7.00	26.20	30.50	4.80
50	9	87381-9027	87381-5019	72.00	68.40	7.00	34.20	50.50	4.80
50	5	87381-9028	87381-5015	72.00	68.40	7.00	34.20	50.50	4.80
12	3	(E3) 87381-9021	(E3) 87381-1203						
40	3	(E3) 87381-9022	(E3) 87381-4003						

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DIMENSION UNITS	SCALE	CURRENT REV DESC: ADDED BTB DIST.	molex		
mm	NTS				
GENERAL TOLERANCES (UNLESS SPECIFIED)			MGRID, TOP ENTRY RECEPT. 4MM HT., W/PEGS/CAP IN TUBE AND T&R, SMT		
			PRODUCT CUSTOMER DRAWING		
4 PLACES ±			EC NO: 619055	DOCUMENT NUMBER	DOC TYPE
3 PLACES ±			DRWN: SCS02 2018/09/18	SD-87381-XXX3	PSD
2 PLACES ± 0.2			CHK'D: NMANE02 2019/07/09	DOC PART	001
1 PLACE ±			APPR: MRAMAKRISHNA 2019/07/09	REVISION	E4
0 PLACES ±			INITIAL REVISION:		
ANGULAR TOL ± 3.0°			DRWN: KSEE 1999/01/06		
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			APPR: SKTOH 1999/01/11		
THIRD ANGLE PROJECTION			DRAWING	SERIES	MATERIAL NUMBER
A3-SIZE			87381	SEE CHART	GENERAL MARKET
SHEET NUMBER			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.				molex	
mm		NTS							
GENERAL TOLERANCES (UNLESS SPECIFIED)				EC NO: 619055		MGRID, TOP ENTRY RECEPT.		4MM HT., W/PEGS/CAP IN TUBE AND T&R, SMT	
		MM	INCH	DRWN: SCS02		2018/09/18			
4 PLACES		±	±	CHK'D: NMANE02		2019/07/09			
3 PLACES		±	±	APPR: MRAMAKRISHNA		2019/07/09		PRODUCT CUSTOMER DRAWING	
2 PLACES		± 0.2	±	INITIAL REVISION:				DOCUMENT NUMBER	
1 PLACE		±	±	DRWN: DRWN BY		XXXX/XX/XX		SD-87381-XXX3	
0 PLACES		±	±	APPR: APPR BY		XXXX/XX/XX		PSD 001 E4	
ANGULAR TOL		± 3.0°		THIRD ANGLE PROJECTION		DRAWING		SERIES	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				A3-SIZE		87381		MATERIAL NUMBER	
				CUSTOMER		GENERAL MARKET		SHEET NUMBER	
								3 OF 3	