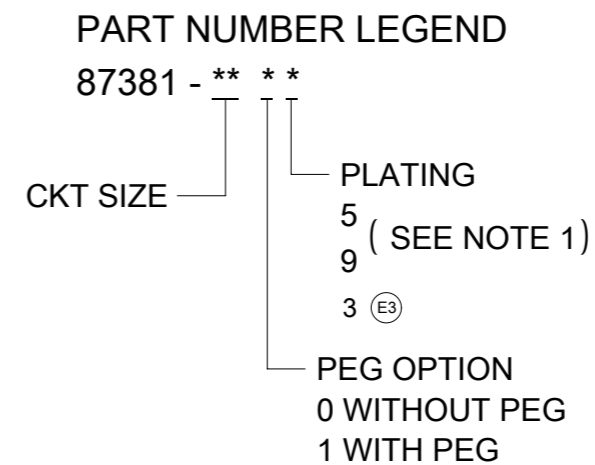
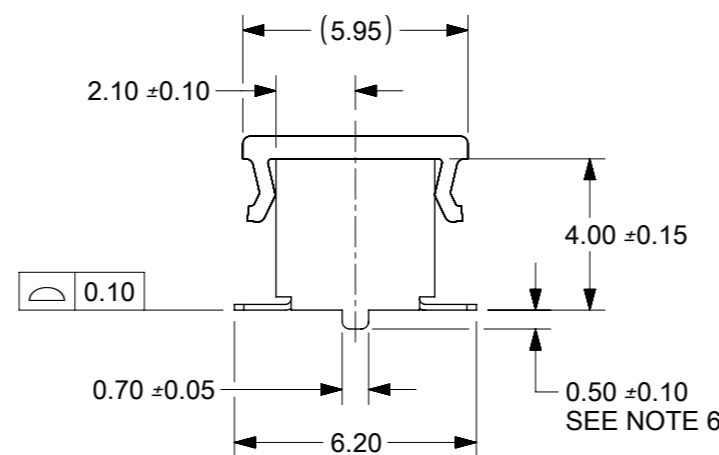
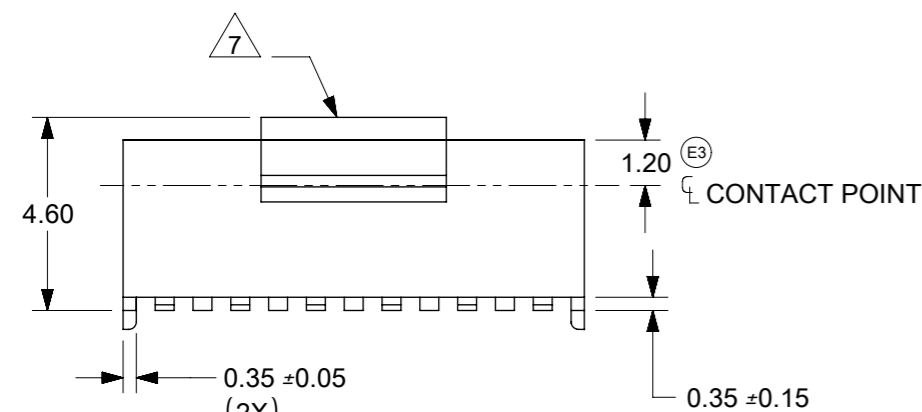
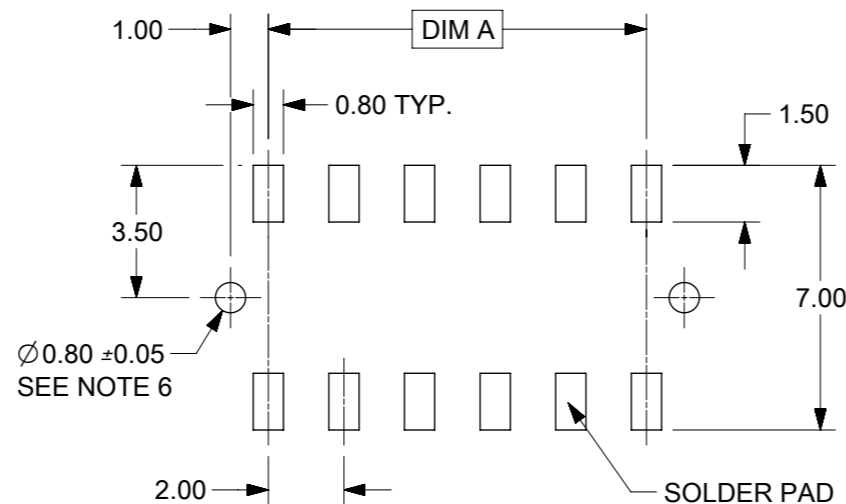


CONNECTOR ORIENTATION IN TUBE



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.

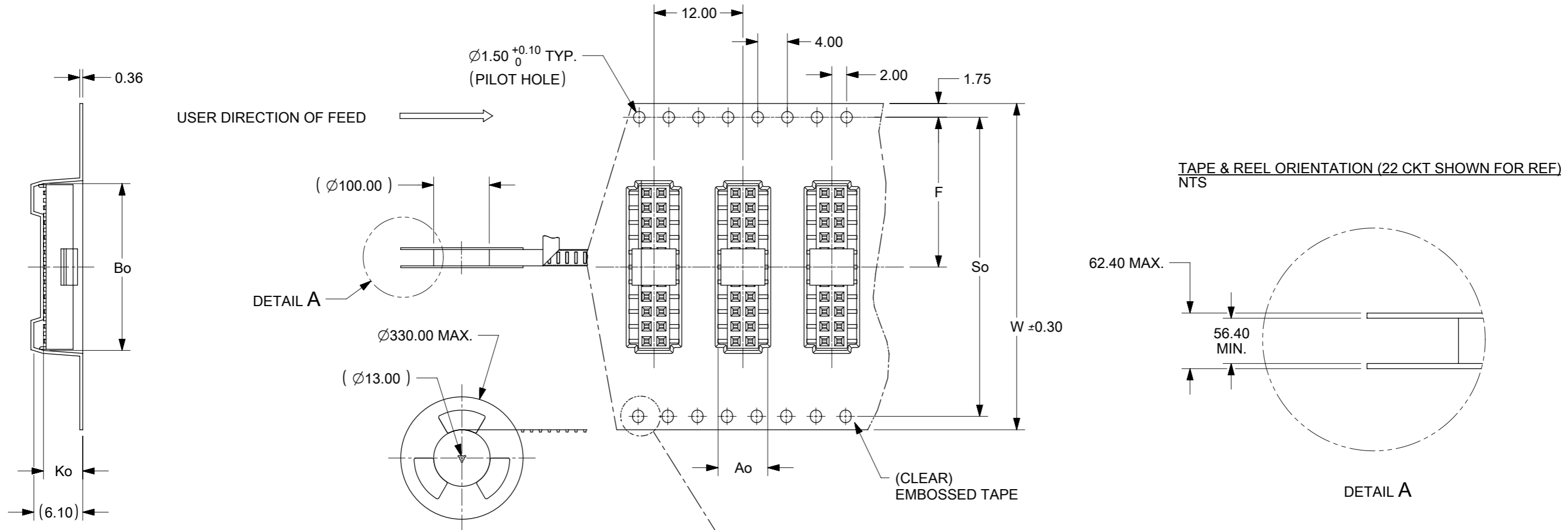


RECOMENDED PCB LAYOUT

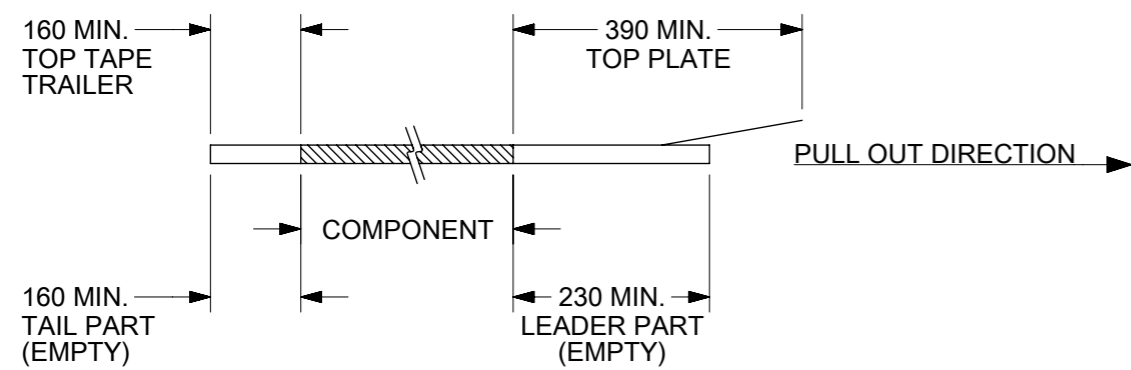
PART NUMBER W/CAP IN TUBE	CKT. SIZE	DIM A	DIM B
87381-04**	4	2.00	4.00
87381-06**	6	4.00	6.00
87381-08**	8	6.00	8.00
87381-10**	10	8.00	10.00
87381-12**	12	10.00	12.00
87381-14**	14	12.00	14.00
87381-16**	16	14.00	16.00
87381-18**	18	16.00	18.00
87381-20**	20	18.00	20.00
87381-22**	22	20.00	22.00
87381-24**	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

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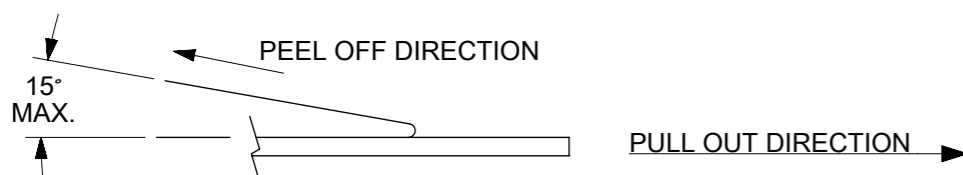
DIMENSION UNITS	SCALE	CURRENT REV DESC: ADDED BTB DIST.		molex		
mm	NTS					
GENERAL TOLERANCES (UNLESS SPECIFIED)				MGRID, TOP ENTRY RECEPT. 4MM HT., W/PEGS/CAP IN TUBE AND T&R, SMT		
4 PLACES	±	MM	INCH	PRODUCT CUSTOMER DRAWING		
3 PLACES	±			DOCUMENT NUMBER		
2 PLACES	± 0.2			SD-87381-XXX3		
1 PLACE	±			DOC TYPE		
0 PLACES	±			PSD		
ANGULAR TOL ± 3.0°				DOC PART		
				001		
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION		REVISION		
				E4		
		DRAWING		SHEET NUMBER		
		A3-SIZE		1 OF 3		
		SERIES		MATERIAL NUMBER		
		87381		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)



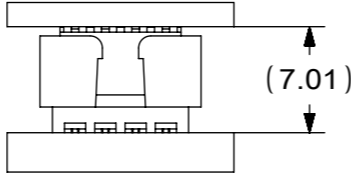
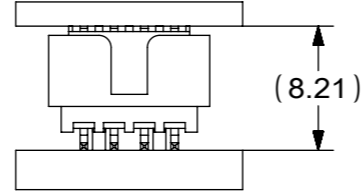
3. PACKAGING STANDARD IS AS PER EIA-481.
4. TAPE & REEL QUANTITY = 800PCS/REEL.


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	ⓔ3 87381-9011	ⓔ3 87381-0613						
	5	ⓔ3 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	ⓔ3 87381-9021	ⓔ3 87381-1203						
40	3	ⓔ3 87381-9022	ⓔ3 87381-4003						

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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	
4 PLACES	±	DRWN: SCS02	2018/09/18	PRODUCT CUSTOMER DRAWING	
3 PLACES	±	CHK'D: NMANE02	2019/07/09	DOCUMENT NUMBER	
2 PLACES	± 0.2	APPR: MRAMAKRISHNA	2019/07/09	SD-87381-XXX3	
1 PLACE	±	INITIAL REVISION:		DOC TYPE	DOC PART
0 PLACES	±	DRWN: KSEE	1999/01/06	PSD	001
ANGULAR TOL	± 3.0°	APPR: SKTOH	1999/01/11	REVISION	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION	DRAWING	SERIES	MATERIAL NUMBER
			A3-SIZE	87381	CUSTOMER
					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	

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