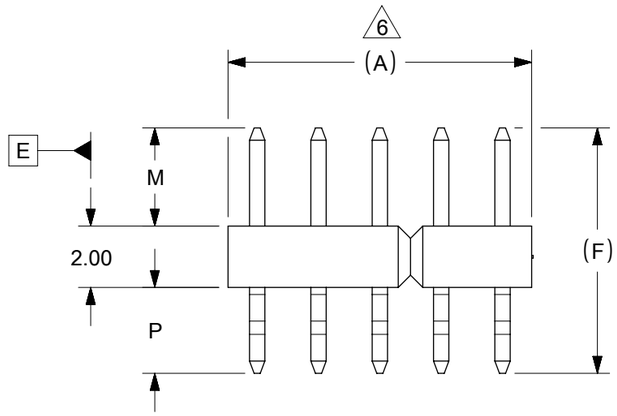
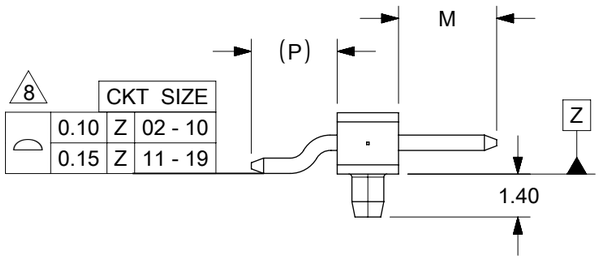
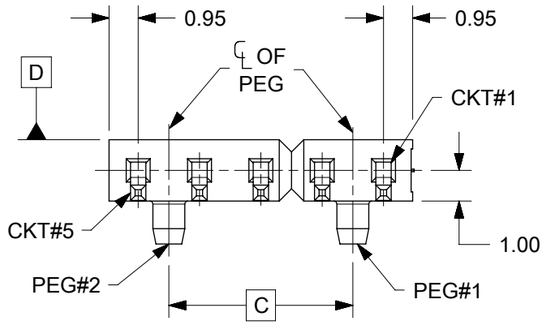
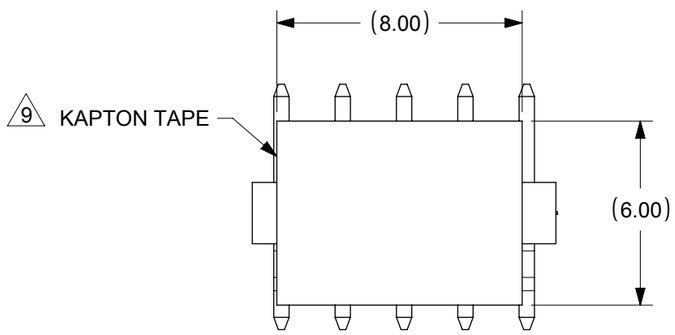


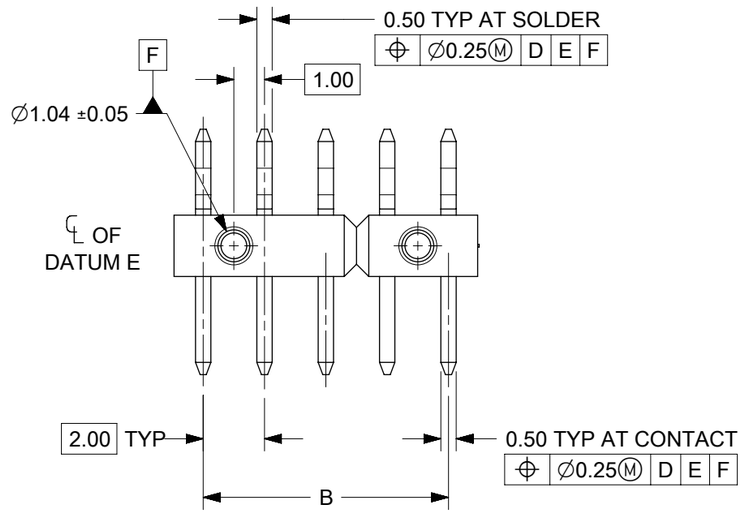






(CKTS X 2 - 4.00)





NOTES:

1. MATERIAL:
   HSG: LCP, GLASS-FILLED, UL94V-0, COLOR:BLACK
   PIN: 0.50mm SQ, COPPER ALLOY
2. PLATING:
   (1) 2.54µm TIN OVERALL PLATING
   OVER NICKEL OVERALL
   (2) 5.08µm TIN OVERALL PLATING
   OVER NICKEL OVERALL
3. PACKAGING TYPE: SEE TABLE
4. PACKAGING SPECIFICATION:
   TRAY: PK-89990-487
   TAPE & REEL: PK-89990-484
5. PRODUCT SPEC PS-87761-100 APPLIES
6. IRREGULAR CIRCUIT CUTOFF WITHIN BREAKAWAY SECTION IS PERMISSIBLE. MEASUREMENT AT BOTH ENDS, FROM CUT END TO THE CENTRELINE OF THE HOUSING CORE HOLE OF THE FIRST PIN REMAINS AT 0.95±0.20mm. CUTTING AND CHIPPING OF THE MAIN BODY IS NOT ACCEPTACLE.
7. THE ABOVE CKT 5 IS FOR ILLUSTRATION PURPOSE ONLY
8. COPLANARITY IS TO BE MEASURED BY RESTING THE SOLDER TAIL ON A GAUGE SURFACE
9. KAPTON TAPE LOCATION IS CENTRED AT THE PART AS POSSIBLE.
10. RECOMMENDED PCB BOARD THICKNESS: 1.60±0.10mm

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DIMENSION UNITS	SCALE
MM	NTS

GENERAL TOLERANCES (UNLESS SPECIFIED)

	MM	INCH
4 PLACES	±	±
3 PLACES	±	±
2 PLACES	± 0.2	±
1 PLACE	±	±
0 PLACES	±	±
ANGULAR TOL	± 3.0 °	

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

CURRENT REV DESC:

EC NO: 782055
DRWN: SUAIFR 2024/04/02
CHK'D: SUAIFR 2024/04/03
APPR: MRAMAKRISHNA 2024/04/12

INITIAL REVISION:
DRWN: CWLAM 2007/12/04
APPR: KWLEE 2007/12/17

molex

2MM SINGLE ROW HDR (ODD)
SMT WITH PEG, BREAKAWAY

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
SD-87858-022	PSD	001	D2

THIRD ANGLE PROJECTION	DRAWING	SERIES	MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
	A3-SIZE	87858	SEE TABLE	GENERAL MARKET	1 OF 3

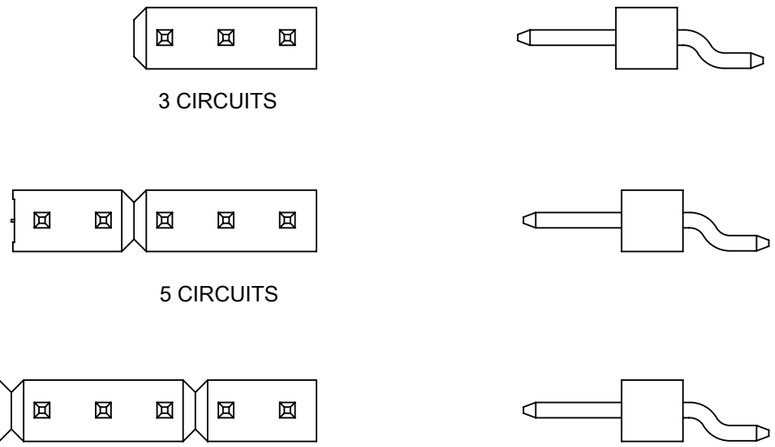
DOCUMENT STATUS	P1	RELEASE DATE	2024/04/12 15:14:46

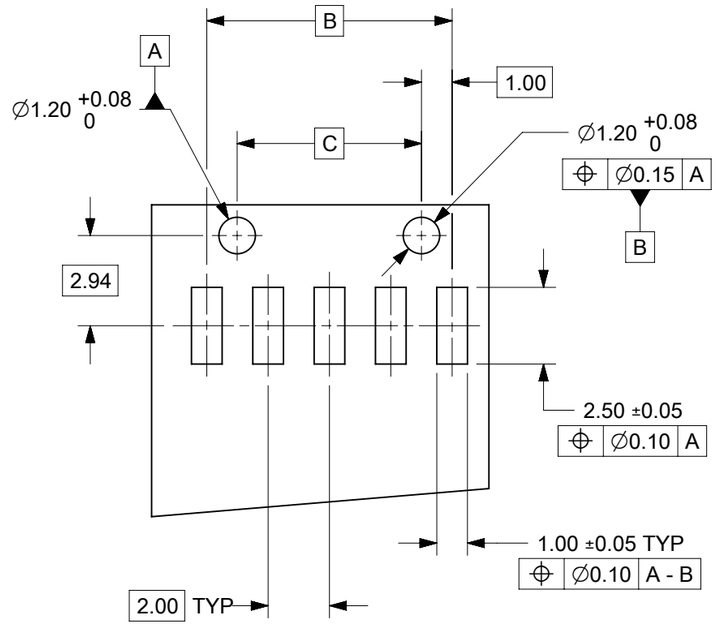
FORMAT: Mel-lega-master-lb-prod-A3
REVISION: E
DATE: 2020/01/14

CKT SIZE	DIMENSION		
	A	B	C
03	5.90	4.00	-
05	9.90	8.00	6.00
07	13.90	12.00	10.00
09	17.90	16.00	14.00
11	21.90	20.00	18.00
13	25.90	24.00	22.00
15	29.90	28.00	26.00
17	33.90	32.00	30.00
19	37.90	36.00	34.00

PART NO. IN TAPE & REEL PACKAGING	CKT # SIZE	PART NO. IN TRAY PACKAGING	KAPTON TAPE	PEG	PLATING OPTION	VOID POSITION	DIMENSION		
							F	MATING END	SOLDER TAIL
								M	(P)
87858-0550	5	-	Y	N	1	----	8.00	3.20	2.80
87858-0750	7	-	Y	N	1	----	8.00	3.20	2.80
87858-0751	7	-	N	Y	1	----	8.00	3.20	2.80
87858-0760	7	-	Y	N	1	----	8.97	4.17	2.80
87858-0761	7	-	Y	N	1	----	8.97	4.17	2.80

PART WITHOUT PEG CONFIGURATION





RECOMENDED PCB LAYOUT

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DIMENSION UNITS	SCALE
MM	NTS

GENERAL TOLERANCES (UNLESS SPECIFIED)

	MM	INCH
4 PLACES	±	±
3 PLACES	±	±
2 PLACES	± 0.2	±
1 PLACE	±	±
0 PLACES	±	±
ANGULAR TOL	± 3.0 °	

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

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EC NO: 782055
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CHK'D: SUAIFR 2024/04/03
APPR: MRAMAKRISHNA 2024/04/12

INITIAL REVISION:
DRWN: CWLAM 2007/12/04
APPR: KWLEE 2007/12/17

THIRD ANGLE PROJECTION | DRAWING: A3-SIZE | SERIES: 87858

molex

2MM SINGLE ROW HDR (ODD)
SMT WITH PEG, BREAKAWAY

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
SD-87858-022	PSD	001	D2

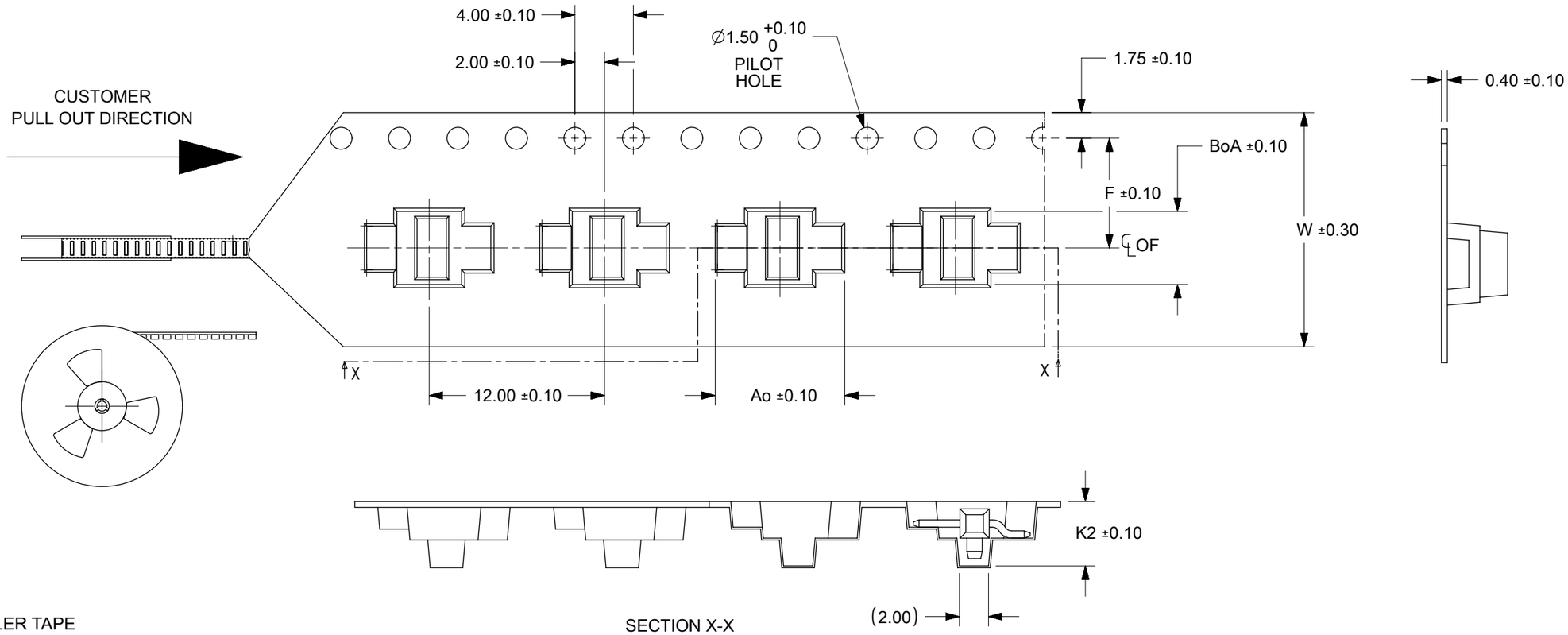
MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
SEE TABLE	GENERAL MARKET	2 OF 3

DOCUMENT STATUS	P1	RELEASE DATE	2024/04/12 15:14:46

FORMAT: Met-lega-master-fb-prod-A3
REVISION: E
DATE: 2020/01/14

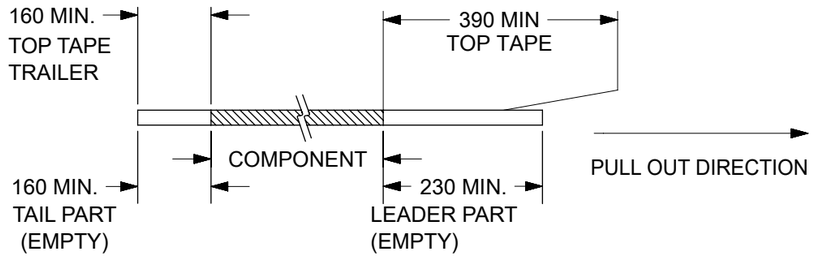
CKT	DIMENSION					PACKABLE QTY
	BoA	Ao	K2	F	W	
5	11.20	8.50	4.40	11.50	24.00	1200
7	15.20	8.50	4.40	11.50	24.00	1200

TAPE AND REEL INFORMATION

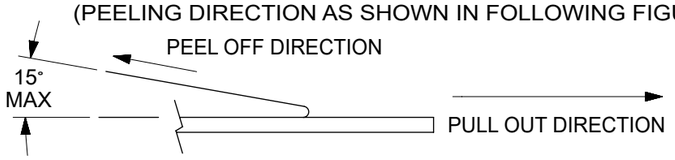


NOTES:

1. LEADER AND TRAILER TAPE



2. PEELING OFF FORCE OF THE TOP TAPE: 10-130gf. (D2)
   (PEELING DIRECTION AS SHOWN IN FOLLOWING FIGURE)



3. MATERIAL: BLACK P.S CONDUCTIVE
4. PACKAGING STANDARD IS AS PER EIA-481.
5. THE TAPE IS TREATED FOR ANTI-STATIC.

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DIMENSION UNITS	MM
SCALE	NTS
GENERAL TOLERANCES (UNLESS SPECIFIED)	MM / INCH
4 PLACES	± / ±
3 PLACES	± / ±
2 PLACES	± 0.2 / ±
1 PLACE	± / ±
0 PLACES	± / ±
ANGULAR TOL	± 3.0 °
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	

CURRENT REV DESC:

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molex

2MM SINGLE ROW HDR (ODD)
SMT WITH PEG, BREAKAWAY

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
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THIRD ANGLE PROJECTION	DRAWING	SERIES	MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
	A3-SIZE	87858	SEE TABLE	GENERAL MARKET	3 OF 3

DOCUMENT STATUS	P1	RELEASE DATE	2024/04/12 15:14:46

FORMAT: Mel-lega-master-lib-prod-A3
REVISION: E
DATE: 2020/01/14