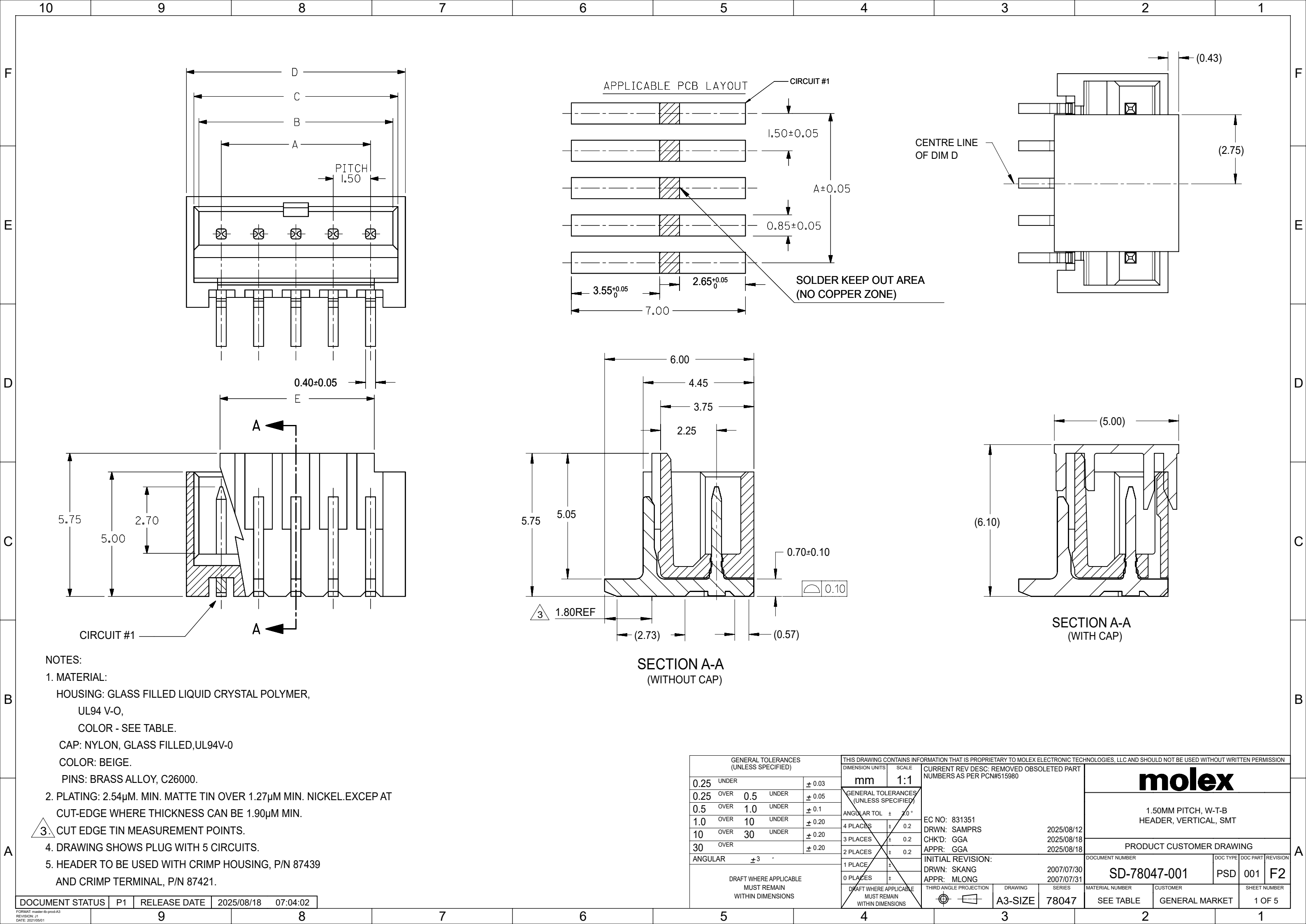




NOTES:

1. MATERIAL:

HOUSING: GLASS FILLED LIQUID CRYSTAL POLYMER,
UL94 V-O,
COLOR - SEE TABLE.

CAP: NYLON, GLASS FILLED,UL94V-0

COLOR: BEIGE.

PINS: BRASS ALLOY, C26000.

2. PLATING: 2.54μM. MIN. MATTE TIN OVER 1.27μM MIN. NICKEL.EXCEP AT
CUT-EDGE WHERE THICKNESS CAN BE 1.90μM MIN.

3. CUT EDGE TIN MEASUREMENT POINTS.

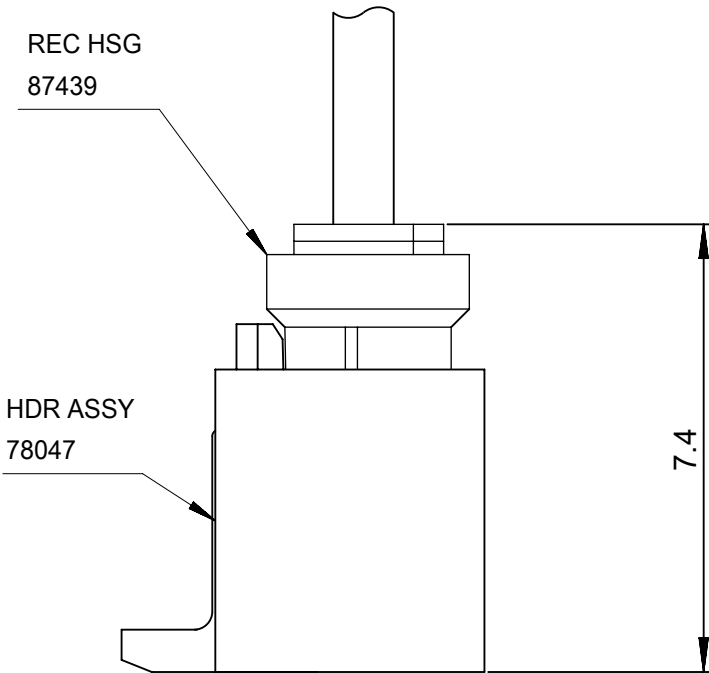
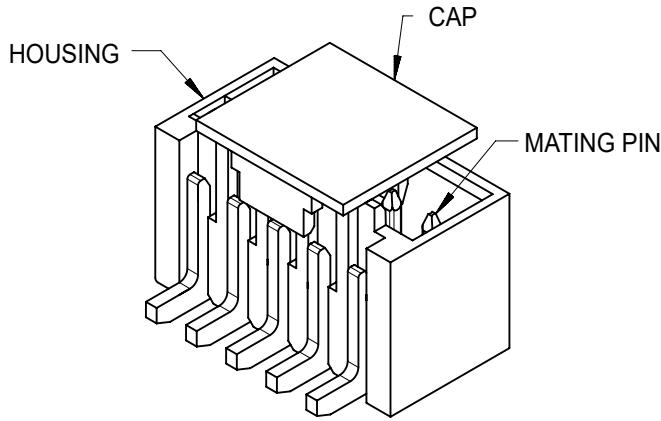
4. DRAWING SHOWS PLUG WITH 5 CIRCUITS.

5. HEADER TO BE USED WITH CRIMP HOUSING, P/N 87439
AND CRIMP TERMINAL, P/N 87421.

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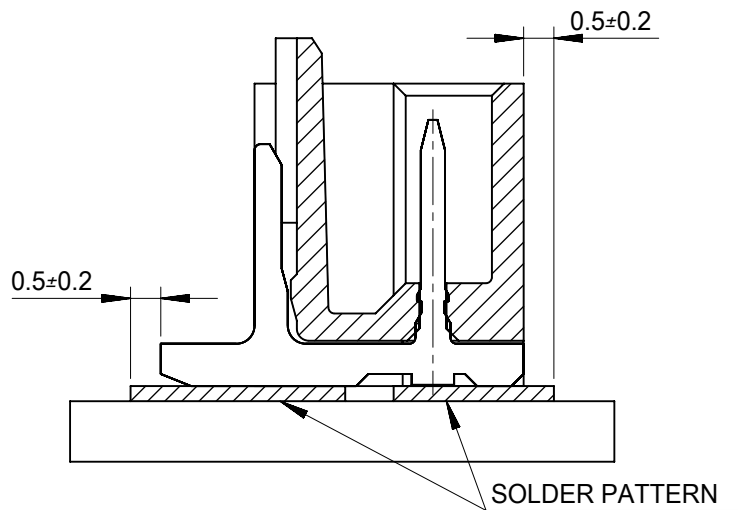
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GENERAL TOLERANCES (UNLESS SPECIFIED)				THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION	
DIMENSION UNITS				SCALE	CURRENT REV DESC: REMOVED OBSOLETE PART NUMBERS AS PER PCN#515980
mm				1:1	
GENERAL TOLERANCES (UNLESS SPECIFIED)				ANGULAR TOL	EC NO: 831351 DRWN: SAMPRS CHK'D: GGA APPR: GGA 2025/08/12 2025/08/18 2025/08/18
0.25 UNDER				± 0.03	
0.25 OVER 0.5 UNDER				± 0.05	INITIAL REVISION: DRWN: SKANG APPR: MLONG 2007/07/30 2007/07/31
0.5 OVER 1.0 UNDER				± 0.1	
1.0 OVER 10 UNDER				± 0.20	DOCUMENT NUMBER SD-78047-001 DOC TYPE PSD DOC PART 001 REVISION F2
10 OVER 30 UNDER				± 0.20	
30 OVER				± 0.20	MATERIAL NUMBER SEE TABLE CUSTOMER GENERAL MARKET SHEET NUMBER 1 OF 5
ANGULAR				± 3	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION	A3-SIZE 78047
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS					



嵌合状態図

MATED CONNECTORS



MOUNTING POSITION OF THE CONNECTOR

HOUSING COLOR	LEAD FREE TERMINAL P/N	CAP	HEADER IN TUBE PACKING	HEADER IN TAPE & REEL	HEADER IN TAPE & REEL (WITH HOLE)	CIRCUIT SIZE	A	B	C	D	E
BIEGE	TIN PLATING	N/A	---	78047-0243	---	2	1.50	3.30	3.70	4.30	1.70
			---	78047-0343	---	3	3.00	4.80	5.20	5.80	3.20
			---	78047-0443	---	4	4.50	6.30	6.70	7.30	4.70
			---	78047-0543	---	5	6.00	7.80	8.20	8.80	6.20
			---	78047-0643	---	6	7.50	9.30	9.70	10.30	7.70
			---	78047-0743	---	7	9.00	10.80	11.20	11.80	9.20
			---	78047-0843	---	8	10.50	12.30	12.70	13.30	10.70
			---	78047-0943	---	9	12.00	13.80	14.20	14.80	12.20
			---	78047-1043	---	10	13.50	15.30	15.70	16.30	13.70
			---	78047-1143	---	11	15.00	16.80	17.20	17.80	15.20
			---	78047-1243	---	12	16.50	18.30	18.70	19.30	16.70
			---	---	---	13	18.00	19.80	20.20	20.80	18.20
			---	78047-1443	---	14	19.50	21.30	21.70	22.30	19.70
			---	78047-1543	---	15	21.00	22.80	23.20	23.80	21.20
		YES	---	---	---	5	6.00	7.80	8.20	8.80	6.20
			---	---	---	7	9.00	10.80	11.20	11.80	9.20

PART NUMBER ASSIGNMENT

78047-XXXX

- 2- TUBE PACKAGING
- 3- TAPE AND REEL PACKAGING
- 4- TAPE AND REEL PACKAGING WITH SPOCKET HOLE
- 4- BEIGE COLOR HSG
- 5- BLACK COLOR HSG
- 6- BLACK COLOR HSG
- 7- BEIGE COLOR HSG
- 02 TO 15 CIRCUIT SIZE

WITHOUT CAP

WITH CAP

(PLEASE CONTACT MOLEX FOR OTHER PART NUMBER REQUEST)

GENERAL TOLERANCES
(UNLESS SPECIFIED)

0.25	UNDER	± 0.03
0.25	OVER	± 0.05
0.5	OVER	± 0.1
1.0	OVER	± 0.20
10	OVER	± 0.20
30	OVER	± 0.20
ANGULAR	± 3 °	

DRAFT WHERE APPLICABLE
MUST REMAIN
WITHIN DIMENSIONS

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DIMENSION UNITS	SCALE
mm	1:1
GENERAL TOLERANCES (UNLESS SPECIFIED)	
ANGULAR TOL	± 30 °
4 PLACES	± 0.2
3 PLACES	± 0.2
2 PLACES	± 0.2
1 PLACE	±
0 PLACES	±
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	

CURRENT REV DESC: REMOVED OBSOLETE PART
NUMBERS AS PER PCN#515980

EC NO: 831351
DRWN: SAMPRS
CHK'D: GGA
APPR: GGA

2025/08/12
2025/08/18
2025/08/18

INITIAL REVISION:
DRWN: SKANG
APPR: MLONG

2007/07/30
2007/07/31

THIRD ANGLE PROJECTION

DRAWING

SERIES

MATERIAL NUMBER

CUSTOMER

SHEET NUMBER

molex

1.50MM PITCH, W-T-B
HEADER, VERTICAL, SMT

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER

DOC TYPE

DOC PART

REVISION

SD-78047-001

PSD

001

F2

SEE TABLE

GENERAL MARKET

2 OF 5

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8

7

6

5

4

3

2

1

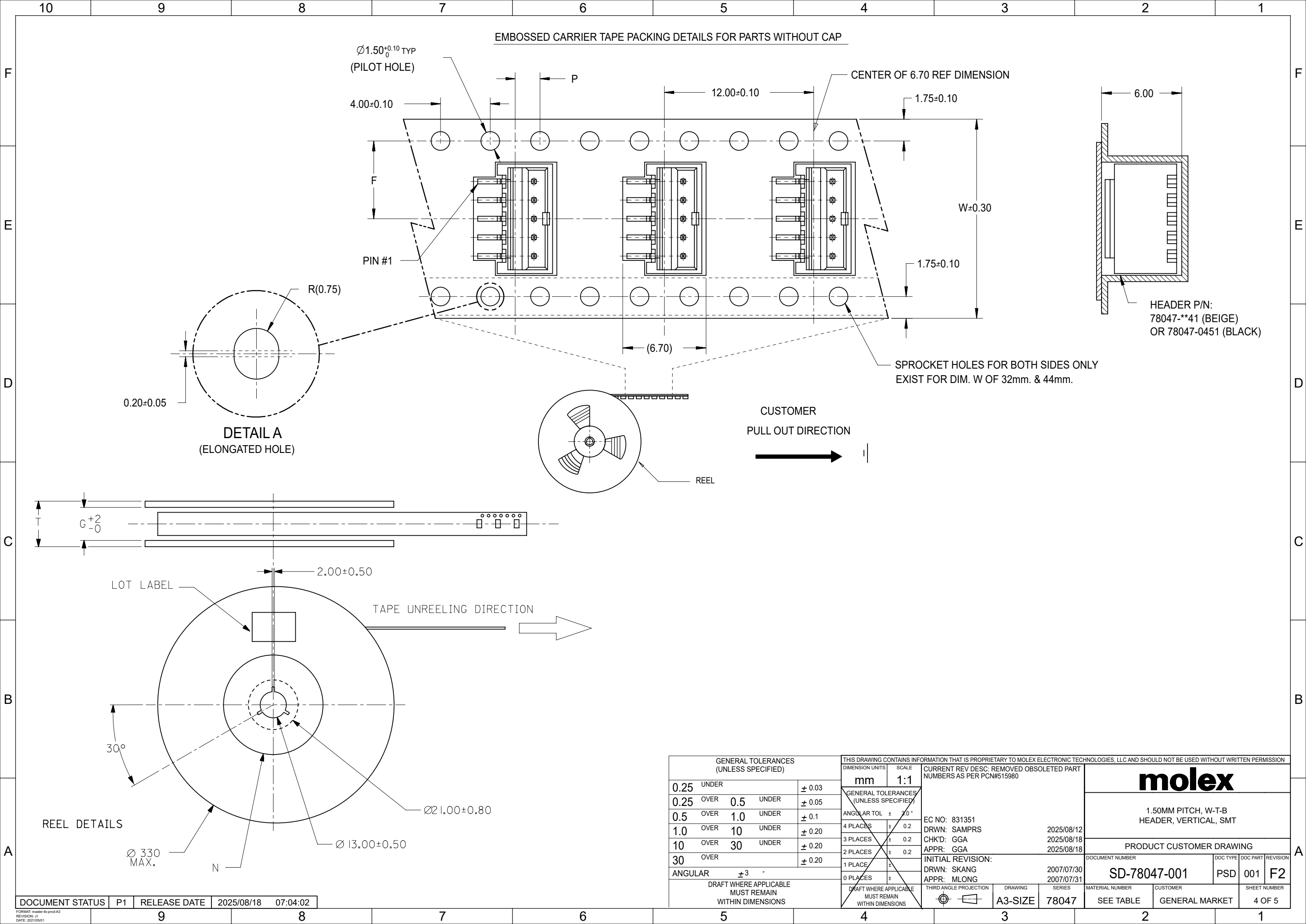
A

B

C

F

[illegible]



EMBOSSED CARRIER TAPE PACKING DETAILS FOR PARTS WITHOUT CAP

Ø1.50^{+0.10}₀ TYP
(PILOT HOLE)

P

CENTER OF 6.70 REF DIMENSION

4.00±0.10

12.00±0.10

1.75±0.10

W±0.30

6.00

PIN #1

R(0.75)

(6.70)

SPROCKET HOLES FOR BOTH SIDES ONLY
EXIST FOR DIM. W OF 32mm. & 44mm.

HEADER P/N:
78047-**41 (BEIGE)
OR 78047-0451 (BLACK)

DETAIL A
(ELONGATED HOLE)

0.20±0.05

CUSTOMER
PULL OUT DIRECTION

REEL



2.00±0.50

LOT LABEL

TAPE UNREELING DIRECTION

REEL DETAILS

30°

Ø 330
MAX.

N

Ø 13.00±0.50

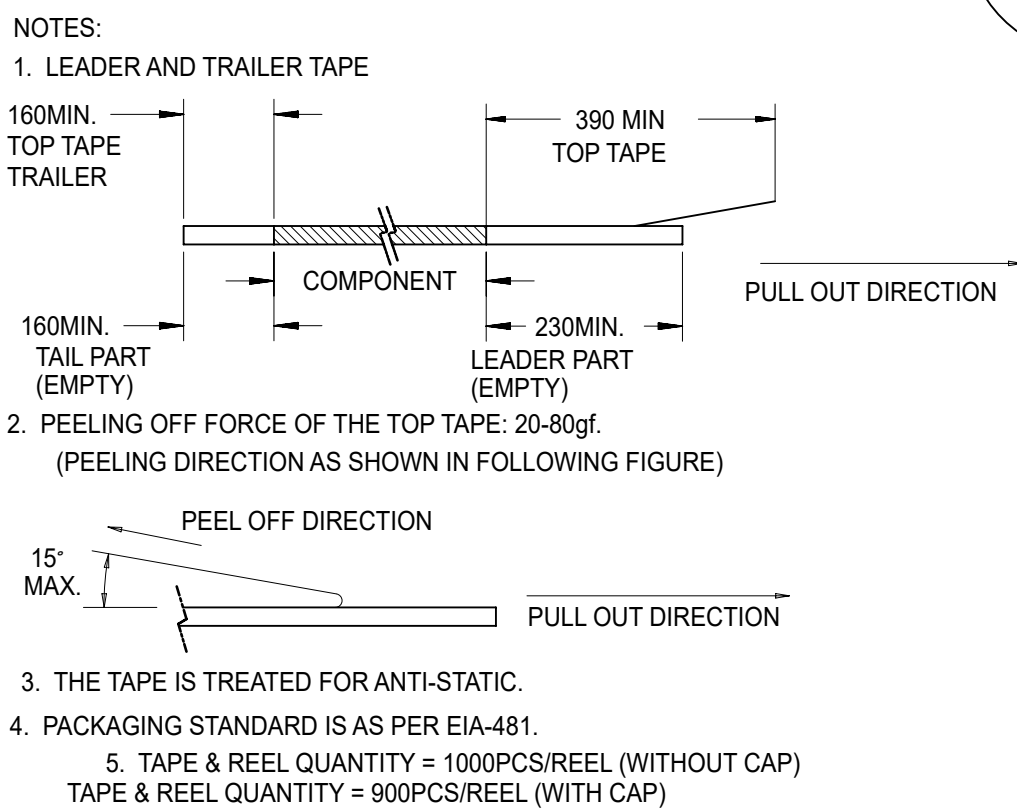
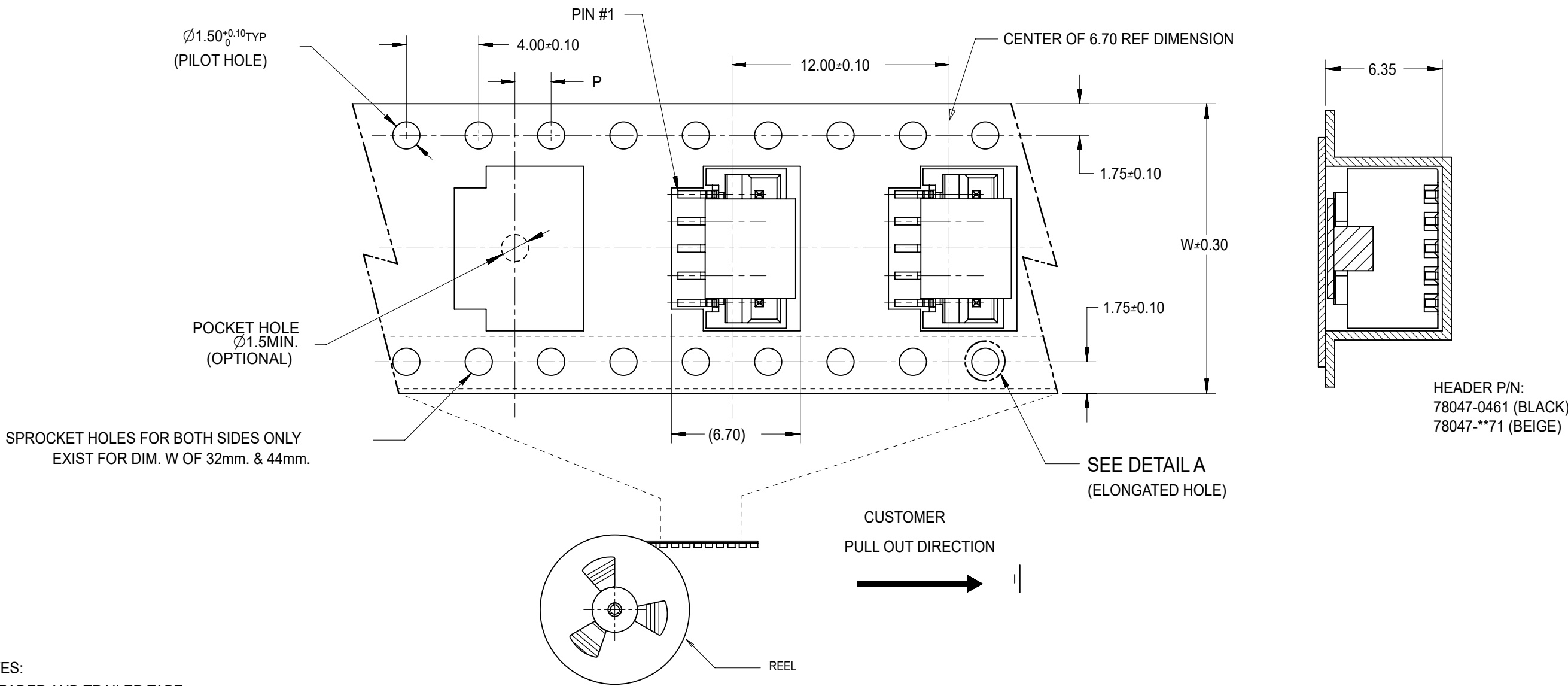
Ø 21.00±0.80

GENERAL TOLERANCES (UNLESS SPECIFIED)					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: REMOVED OBSOLETE PART NUMBERS AS PER PCN#515980											
0.25		UNDER			± 0.03	mm		1:1		molex 1.50MM PITCH, W-T-B HEADER, VERTICAL, SMT PRODUCT CUSTOMER DRAWING										
0.25		OVER		0.5	UNDER		± 0.05	GENERAL TOLERANCES (UNLESS SPECIFIED)												
0.5		OVER		1.0		UNDER		± 0.1	ANGULAR TOL ± 30°											
1.0		OVER		10		UNDER		± 0.20	4 PLACES ± 0.2											
10		OVER		30		UNDER		± 0.20	3 PLACES ± 0.2											
30		OVER						± 0.20	2 PLACES ± 0.2											
ANGULAR				± 3°					1 PLACE ±											
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS					DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION		DRAWING		SERIES		DOCUMENT NUMBER		DOC TYPE		DOC PART		REVISION	
													SD-78047-001		PSD		001		F2	
													MATERIAL NUMBER		CUSTOMER		SHEET NUMBER			
									A3-SIZE		78047		SEE TABLE		GENERAL MARKET		4 OF 5			

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REVISION: 11
DATE: 2021/05/01

EMBOSSED CARRIER TAPE PACKING DETAILS FOR PARTS WITH CAP



15	44	20.20±0.15	100	44.40	50.40	2.00±0.15
11, 12, 13, 14	32	14.20±0.10	100	32.40	38.40	2.00±0.10
7, 8, 9, 10	24	11.50±0.10	100	24.40	30.40	2.00±0.10
2, 3, 4, 5, 6	16	7.50±0.10	100	16.40	22.40	2.00±0.10
CIRCUIT SIZE	W	F	N	G	T MAX	P

GENERAL TOLERANCES (UNLESS SPECIFIED)				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: REMOVED OBSOLETE PART NUMBERS AS PER PCN#515980	
0.25	UNDER	± 0.03	mm	1:1	mo 1.50MM PITCH, W-T-B HEADER, VERTICAL, SMT PRODUCT CUSTOMER DRAWING SD-78047-001 SEE TABLE
0.25	OVER	± 0.05			
0.5	OVER	± 0.1			
1.0	OVER	± 0.20			
10	OVER	± 0.20			
30	OVER	± 0.20			
ANGULAR	± 3				
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION	
				DRAWING	
				SERIES	
				MATERIAL NUMBER	
				CUSTOMER	
				SHEET NUMBER	

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