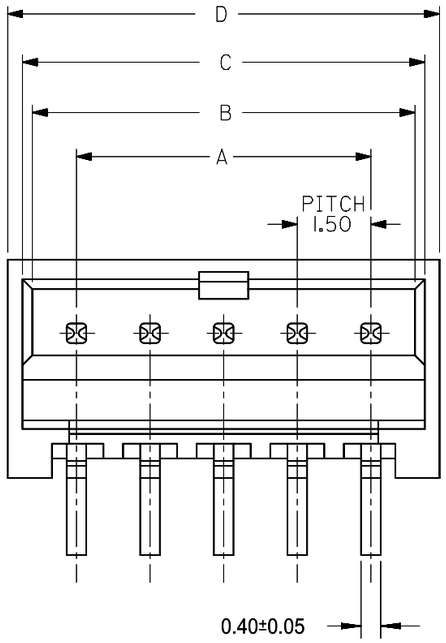
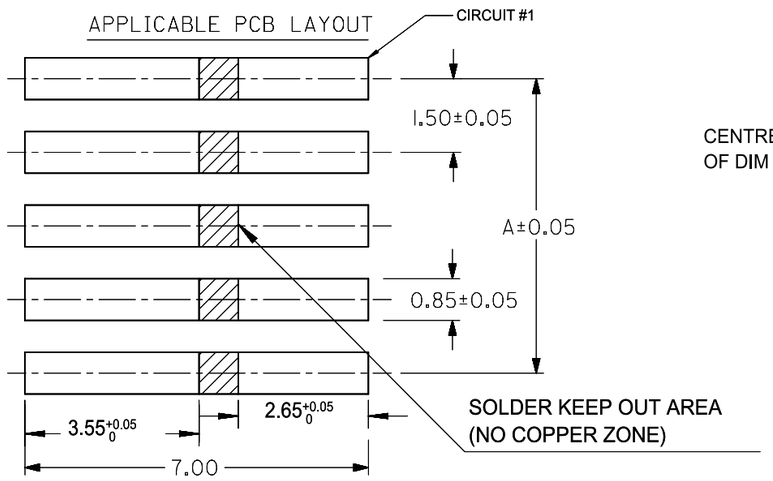
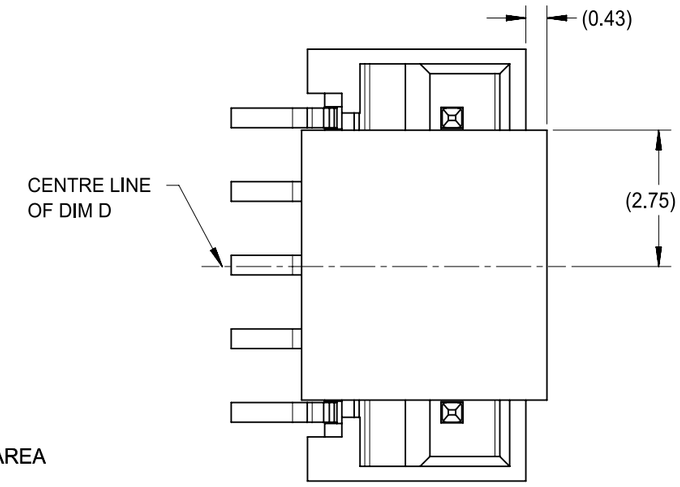
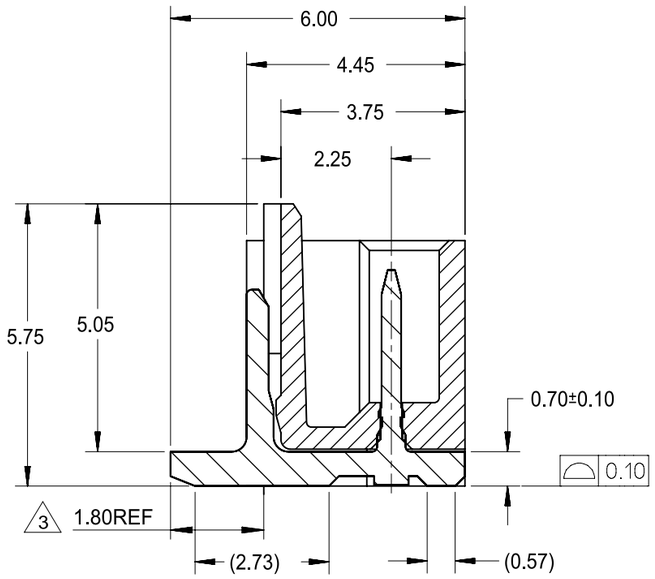
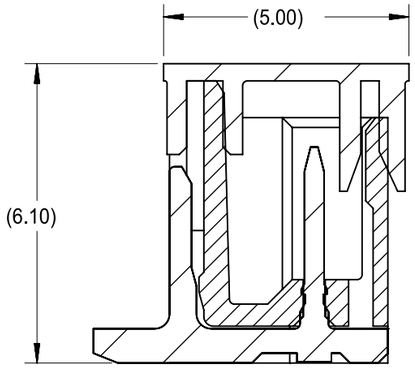








SECTION A-A
(WITHOUT CAP)



SECTION A-A
(WITH CAP)

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.

GENERAL TOLERANCES (UNLESS SPECIFIED)				
0.25	UNDER			± 0.03
0.25	OVER	0.5	UNDER	± 0.05
0.5	OVER	1.0	UNDER	± 0.1
1.0	OVER	10	UNDER	± 0.20
10	OVER	30	UNDER	± 0.20
30	OVER			± 0.20
ANGULAR		±3 °		

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

DIMENSION UNITS	SCALE
mm	1:1

GENERAL TOLERANCES (UNLESS SPECIFIED)	
ANGULAR TOL	± 3°
4 PLACES	± 0.20000
3 PLACES	± 0.2000
2 PLACES	± 0.200
1 PLACE	±
0 PLACES	±

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

CURRENT REV DESC: REMOVED OBSOLETED PART NUMBERS AS PER PCN#516676

STATUS: Production

DRWN:	Sampreet S Mirajkar	2026-04-18
CHK'D:	Ganesh Rao B	2026-05-06
APPR:	Gurunandan GA	2026-05-06

THIRD ANGLE PROJECTION | DRAWING: A3-SIZE | SERIES: 78047

molex

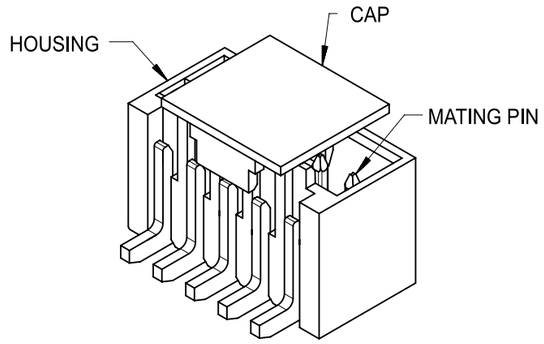
1.50MM PITCH, W-T-B
HEADER, VERTICAL, SMT

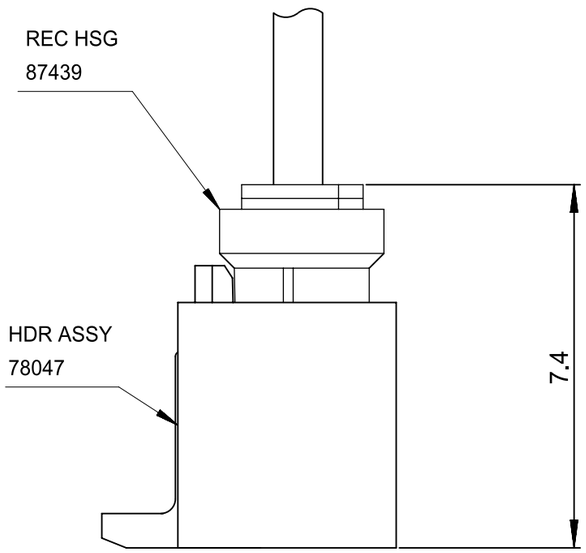
PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
SD-78047-001	PSD	001	F4

MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
SEE TABLE	GENERAL MARKET	1 OF 5

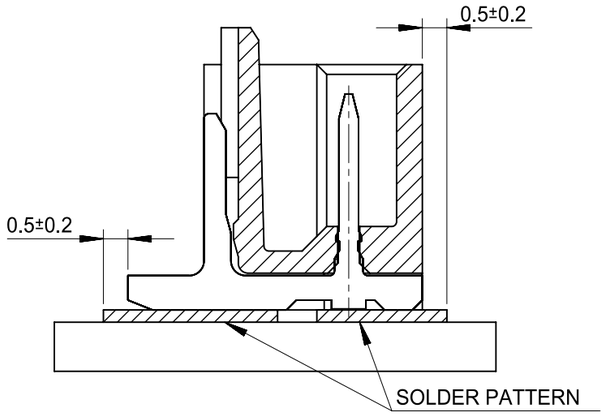
FORMAT: TC-SD-A3
REVISION: F
DATE: 2022/08/30





嵌合状態図

MATED CONNECTORS



MOUNTING POSITION OF THE CONNECTOR

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 — WITHOUT CAP
- 5- BLACK COLOR HSG — WITHOUT CAP
- 6- BLACK COLOR HSG — WITH CAP
- 7- BEIGE COLOR HSG — WITH CAP
- 02 TO 15 CIRCUIT SIZE

(PLEASE CONTACT MOLEX FOR OTHER PART NUMBER REQUEST)

GENERAL TOLERANCES (UNLESS SPECIFIED)				
0.25	UNDER			± 0.03
0.25	OVER	0.5	UNDER	± 0.05
0.5	OVER	1.0	UNDER	± 0.1
1.0	OVER	10	UNDER	± 0.20
10	OVER	30	UNDER	± 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	± 3°
4 PLACES	± 0.20000
3 PLACES	± 0.2000
2 PLACES	± 0.200
1 PLACE	±
0 PLACES	±

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

CURRENT REV DESC: REMOVED OBSOLETED PART NUMBERS AS PER PCN#516676

STATUS: Production

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APPR:	Gurunandan GA	2026-05-06

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	F4

THIRD ANGLE PROJECTION	DRAWING	SERIES	MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
	A3-SIZE	78047	SEE TABLE	GENERAL MARKET	2 OF 5

FORMAT: TC-0101-A3
REVISION: B
DATE: 2022/08/01

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	YES	---	78047-0673	---	6	7.50	9.30	9.70	10.30	7.70
			---	78047-1273	---	12	16.50	18.30	18.70	19.30	16.70

GENERAL TOLERANCES (UNLESS SPECIFIED)				
0.25	UNDER			± 0.03
0.25	OVER	0.5	UNDER	± 0.05
0.5	OVER	1.0	UNDER	± 0.1
1.0	OVER	10	UNDER	± 0.20
10	OVER	30	UNDER	± 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	± 3°
4 PLACES	± 0.20000
3 PLACES	± 0.2000
2 PLACES	± 0.200
1 PLACE	±
0 PLACES	±

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

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molex

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

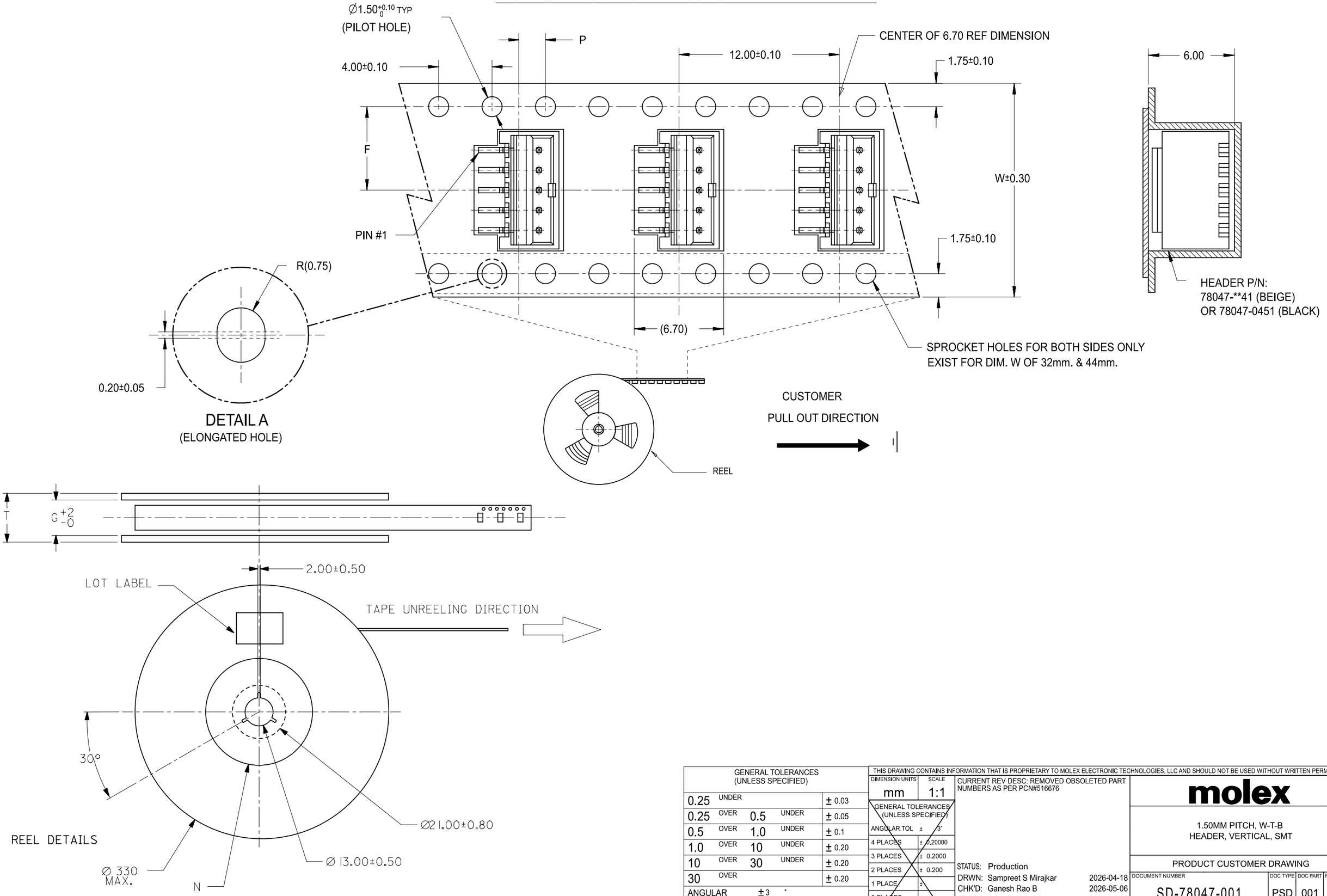
PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
SD-78047-001	PSD	001	F4

THIRD ANGLE PROJECTION	DRAWING	SERIES	MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
	A3-SIZE	78047	SEE TABLE	GENERAL MARKET	3 OF 5

FORMAT: TC-0101-A3
REVISION: B
DATE: 2022/08/01

EMBOSSED CARRIER TAPE PACKING DETAILS FOR PARTS WITHOUT CAP



GENERAL TOLERANCES (UNLESS SPECIFIED)				
0.25	UNDER			± 0.03
0.25	OVER	0.5	UNDER	± 0.05
0.5	OVER	1.0	UNDER	± 0.1
1.0	OVER	10	UNDER	± 0.20
10	OVER	30	UNDER	± 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 ±	3°
4 PLACES	± 0.20000
3 PLACES	± 0.2000
2 PLACES	± 0.200
1 PLACE	±
0 PLACES	±

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

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molex

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

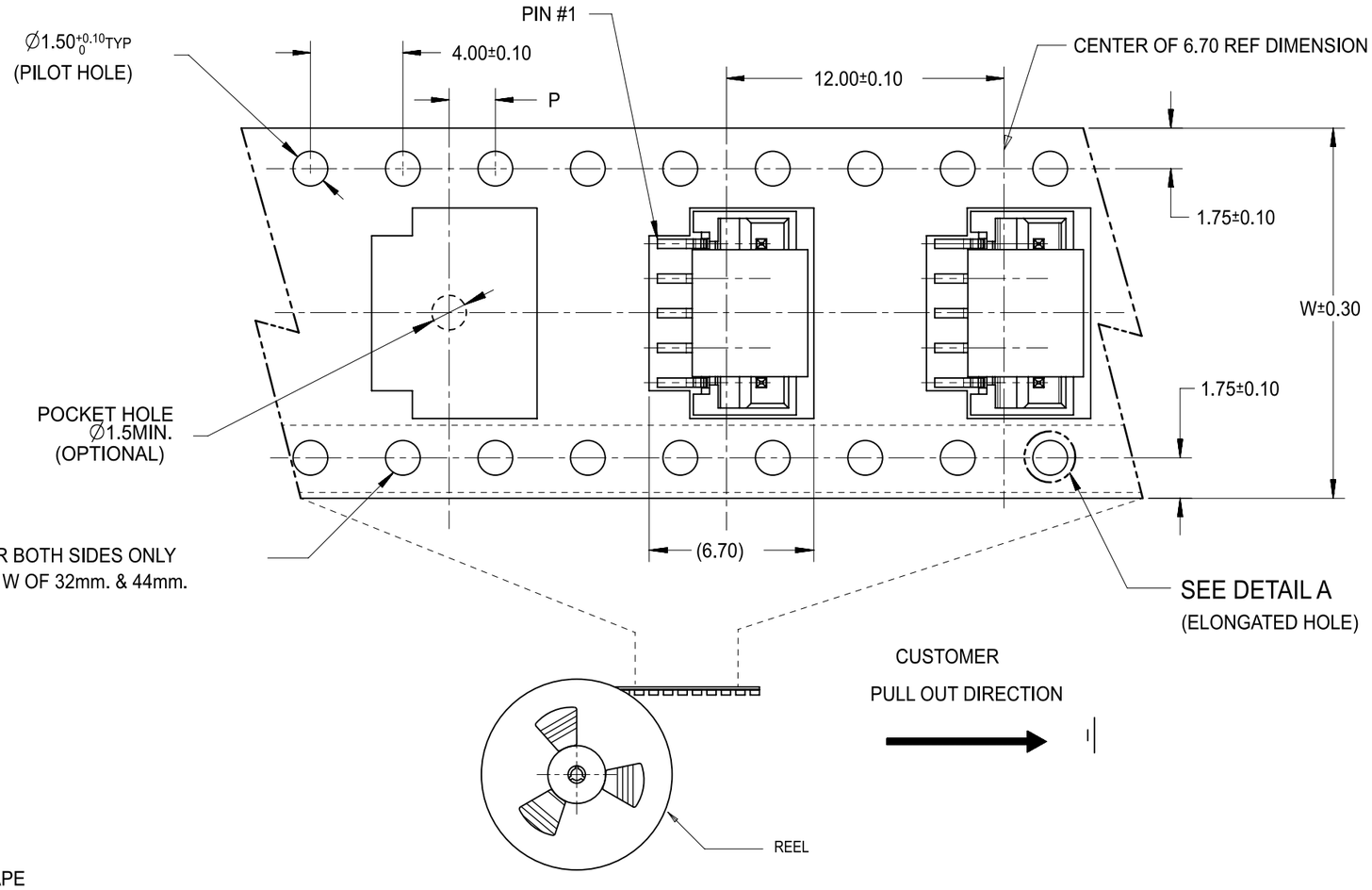
PRODUCT CUSTOMER DRAWING

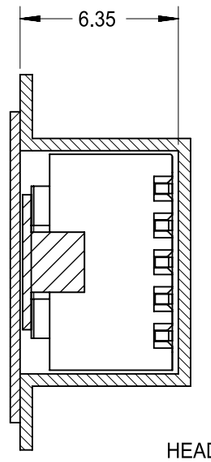
DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
SD-78047-001	PSD	001	F4

THIRD ANGLE PROJECTION	DRAWING	SERIES	MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
	A3-SIZE	78047	SEE TABLE	GENERAL MARKET	4 OF 5

FORMAT: TC-0101-A3
REVISION: F
DATE: 2022/08/01

EMBOSSED CARRIER TAPE PACKING DETAILS FOR PARTS WITH CAP

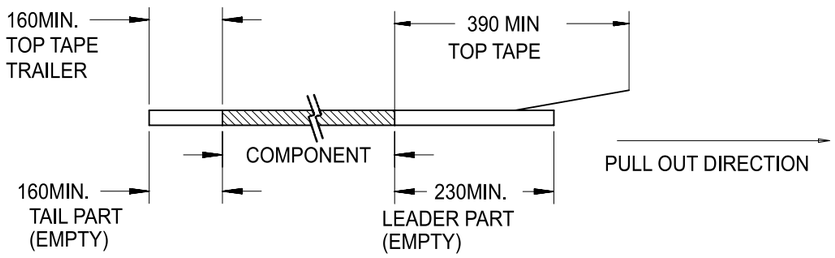




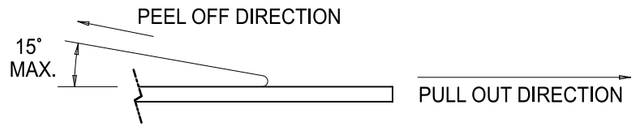
HEADER P/N:
78047-0461 (BLACK)
78047-**71 (BEIGE)

NOTES:

1. LEADER AND TRAILER TAPE



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



3. THE TAPE IS TREATED FOR ANTI-STATIC.
4. PACKAGING STANDARD IS AS PER EIA-481.
5. TAPE & REEL QUANTITY = 1000PCS/REEL (WITHOUT CAP)
   TAPE & REEL QUANTITY = 900PCS/REEL (WITH CAP)

CIRCUIT SIZE	W	F	N	G	T MAX	P
12	32	14.20±0.10	100	32.40	38.40	2.00±0.10
6	16	7.50±0.10	100	16.40	22.40	2.00±0.10

GENERAL TOLERANCES (UNLESS SPECIFIED)				
0.25	UNDER			± 0.03
0.25	OVER	0.5	UNDER	± 0.05
0.5	OVER	1.0	UNDER	± 0.1
1.0	OVER	10	UNDER	± 0.20
10	OVER	30	UNDER	± 0.20
30	OVER			± 0.20
ANGULAR		±3 °		

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

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mm	1:1

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ANGULAR TOL	± 3°
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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	F4

THIRD ANGLE PROJECTION	DRAWING	SERIES	MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
	A3-SIZE	78047	SEE TABLE	GENERAL MARKET	5 OF 5

FORMAT: TC-tb-prod-A3
REVISION: B
DATE: 2022/08/01