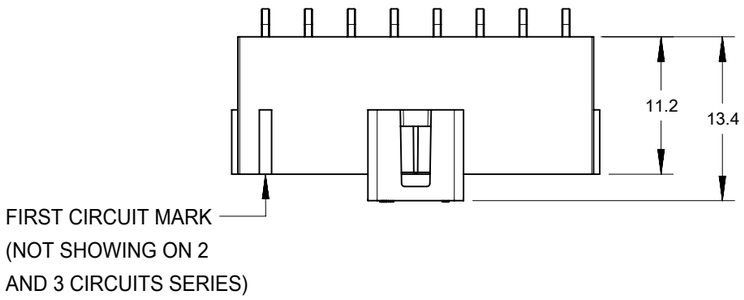
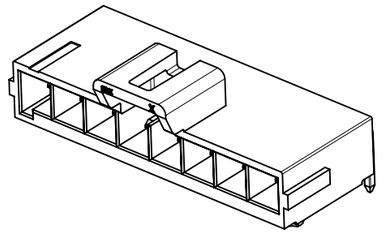
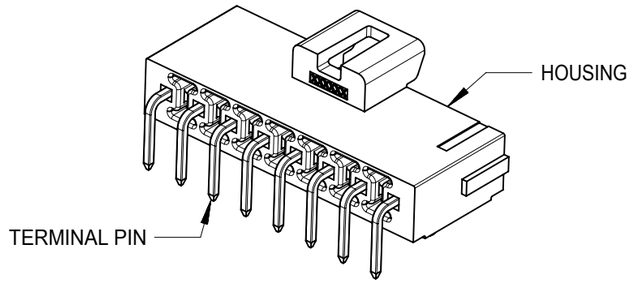
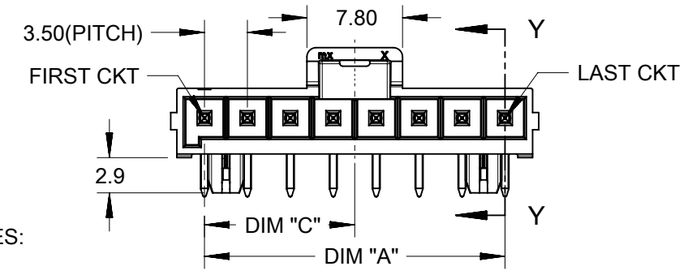
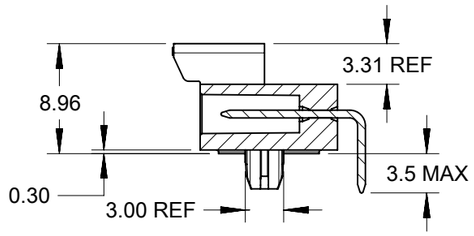


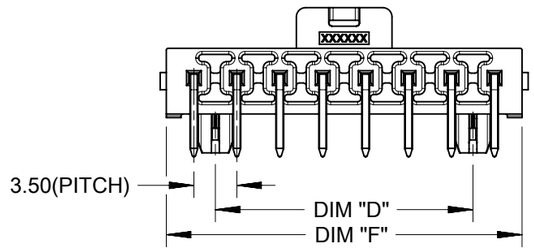






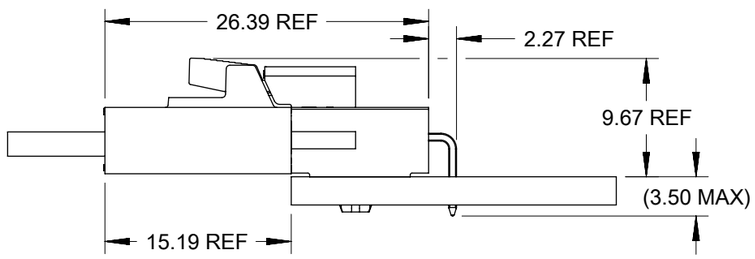


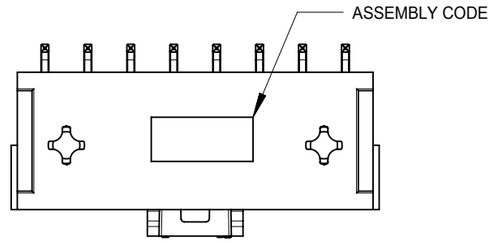
SECTION Y-Y



NOTES:

1. MATERIAL :
   HOUSING
   OPTION 1: LCP BLACK, UL94 V-0
   OPTION 2: LCP NATURAL, UL94 V-0
   TERMINAL: COPPER ALLOY
2. PLATING FINISH:
   OPTION 1 - 1.5µm(60µin)-2.5µm(100µin) TIN OVER
   1.25µm(50µin)-2.5µm(100µin) NICKEL OVERALL
   OPTION 2 - 0.35µm(15µin) GOLD CONTACT AREA,
   1.5µm(60µin)-2.5µm(100µin) TIN TAIL AREA OVER
   1.25µm(50µin)-2.5µm(100µin) NICKEL OVERALL
   OPTION 3 - 0.70µm(30µin) GOLD CONTACT AREA,
   1.5µm(60µin)-2.5µm(100µin) TIN TAIL AREA OVER
   1.25µm(50µin)-2.5µm(100µin) NICKEL OVERALL
2. PARTS TO BE PACKAGED PER PK-172310-9001
3. PRODUCT SPECIFICATION PS-172323-0001
4. PART MATES WITH MOLEX RECEPTACLE HOUSING
   172256 AND 172260
5. PART CONFORMS TO CLASS "C" REQUIREMENTS OF SPECIFICATION
   PS-45499-002 WITH 0.13 MM MAXIMUM FLASH ALLOWED IN CORE
   HOLES AND FRONT SURFACE.
6. DISCOLORATION IN THE BANDOLIER AREA OF THE PIN IS
   INHERENT TO THE PLATING PROCESS AND IS DUE TO THE MASKING
   EFFECT OF THE CARRIER. THIS DISCOLORATION IS IN A NON-FUNCTIONAL
   AREA OF THE PIN AND WILL NOT AFFECT THE PERFORMANCE OF THE
   HEADER ASSEMBLY.
7. ASSEMBLY SPECIFICATION: AS-172323-0001





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DIMENSION UNITS	SCALE
mm	NTS

GENERAL TOLERANCES (UNLESS SPECIFIED)

ANGULAR TOL	±	°
4 PLACES	±	
3 PLACES	±	
2 PLACES	±	0.25
1 PLACE	±	0.5
0 PLACES	±	

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

CURRENT REV DESC: REMOVED OBSOLETED PART NUMBERS AS PER PCN#510807.

EC NO:	726454	
DRWN:	LIKITV	2022/10/25
CHK'D:	GGA	2022/11/30
APPR:	GGA	2022/11/30

INITIAL REVISION:

DRWN:	DROSCA	2014/03/05
APPR:	JCOMERCI	2014/04/24

molex

ULTRA-FIT R/A HEADER
2-8 CKTS SINGLE ROW

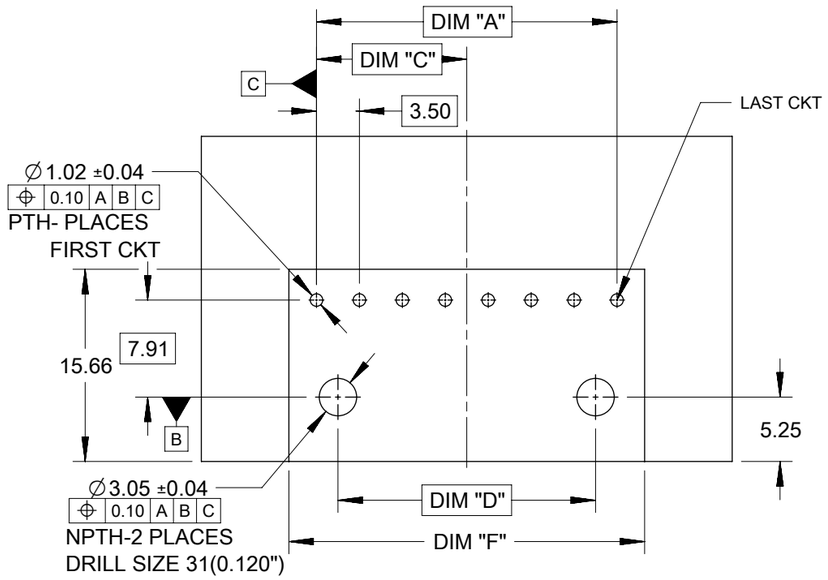
PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
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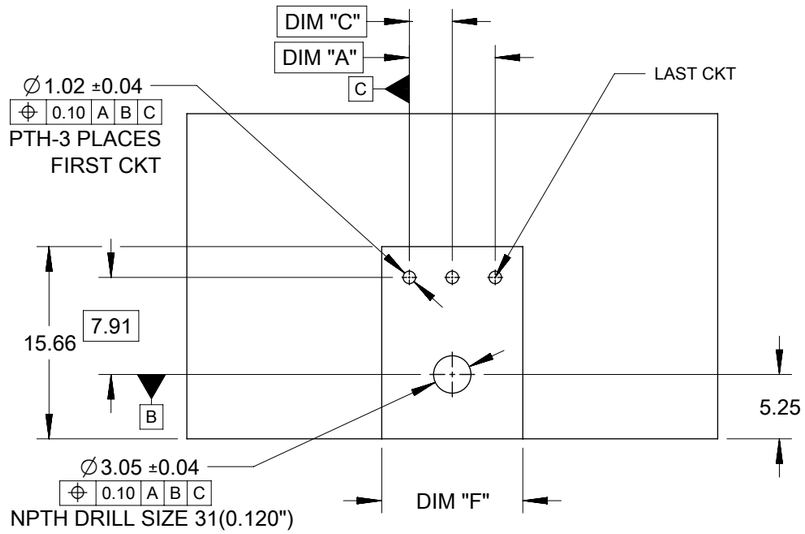
THIRD ANGLE PROJECTION	DRAWING	SERIES	MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
	A3-SIZE	172310	SEE CHART	GENERAL MARKET	1 OF 3

DOCUMENT STATUS	P1	RELEASE DATE	2022/11/30 11:33:41

FORMAT: master-tb-prod-A3
REVISION: J1
DATE: 2021/05/01



PCB LAYOUT 4,5,6,7 AND 8 COMPONENT SIDE
RECOMENDED PCB THICKNESS 1.60MM-2.40MM

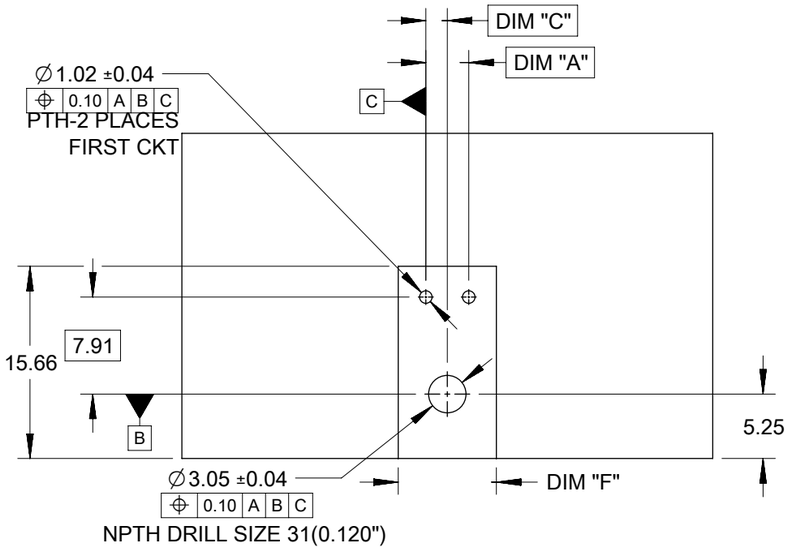


PCB LAYOUT 3 CIRCUIT COMPONENT SIDE
RECOMENDED PCB THICKNESS 1.60MM-2.40MM

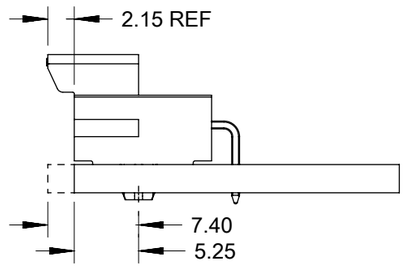
TIN PLATING							
PART NO.	COLOR	CIRCUIT SIZE	KEY OPTION	DIM A	DIM F	DIM C	DIM D
172310-2105	NATURAL	5	KEY B	14.00	18.50	7.00	10.50

15 MICROINCH GOLD PLATING							
PART NO.	COLOR	CIRCUIT SIZE	KEY OPTION	DIM A	DIM F	DIM C	DIM D
172310-2205	NATURAL	5	KEY B	14.00	18.50	7.00	10.50
172310-2207	NATURAL	7	KEY B	21.00	25.50	10.50	17.50

30 MICROINCH GOLD PLATING							
PART NO.	COLOR	CIRCUIT SIZE	KEY OPTION	DIM A	DIM F	DIM C	DIM D
172310-2304	NATURAL	4	KEY B	10.50	15.00	5.25	7.00



PCB LAYOUT 2 CIRCUIT COMPONENT SIDE
RECOMENDED PCB THICKNESS 1.60MM-2.40MM



OPTION 1: LATCH FLUSH WITH PCB EDGE
OPTION 2: HOUSING BODY FLUSH WITH PCB EDGE

NOTE: DATUM -A- IS ON PCB COMPONENT SIDE

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DIMENSION UNITS	SCALE
mm	NTS

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ANGULAR TOL	±	°
4 PLACES	±	
3 PLACES	±	
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0 PLACES	±	

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

CURRENT REV DESC: REMOVED OBSOLETED PART NUMBERS AS PER PCN#510807.

EC NO: 726454
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CHK'D: GGA 2022/11/30
APPR: GGA 2022/11/30

INITIAL REVISION:
DRWN: DROSCA 2014/03/05
APPR: JCOMERCI 2014/04/24

THIRD ANGLE PROJECTION | DRAWING: A3-SIZE | SERIES: 172310

molex

ULTRA-FIT R/A HEADER
2-8 CKTS SINGLE ROW

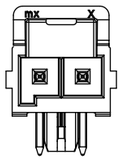
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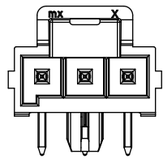
MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
SEE CHART	GENERAL MARKET	2 OF 3

DOCUMENT STATUS	P1	RELEASE DATE	2022/11/30 11:33:41

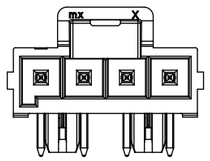
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REVISION: J1
DATE: 2021/05/01



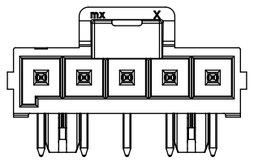
2 CKT



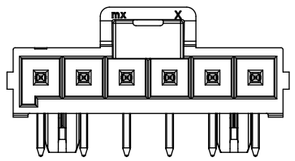
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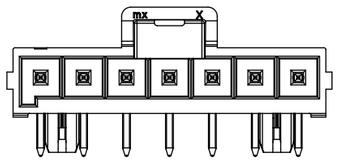
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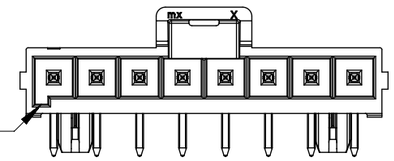
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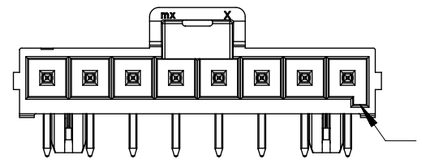
6 CKT



7 CKT



8 CKT



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ULTRA-FIT R/A HEADER
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PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
SD-172310-1000	PSD	000	C5

THIRD ANGLE PROJECTION	DRAWING	SERIES	MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
	A3-SIZE	172310	SEE CHART	GENERAL MARKET	3 OF 3

DOCUMENT STATUS	P1	RELEASE DATE	2022/11/30 11:33:41

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