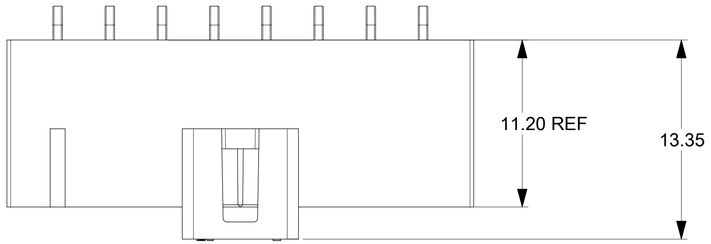
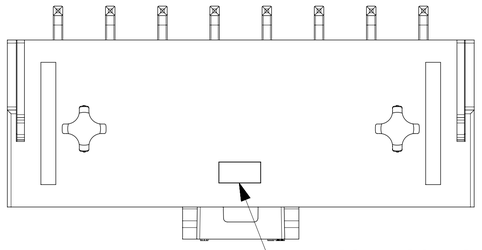
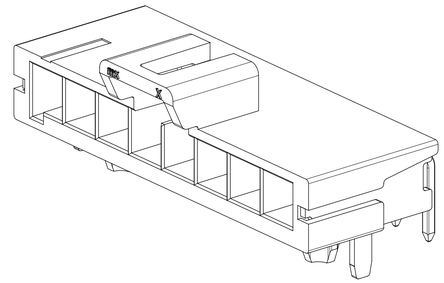
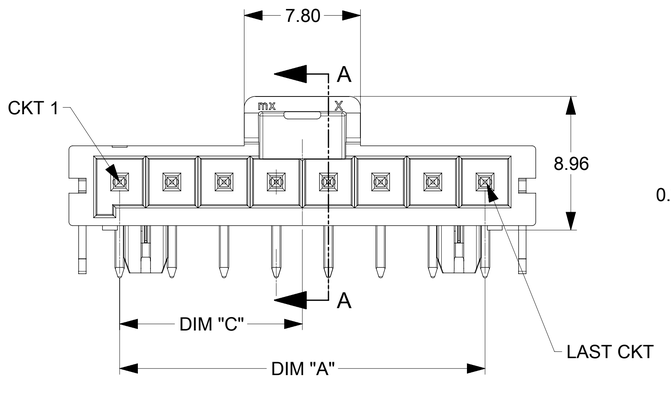
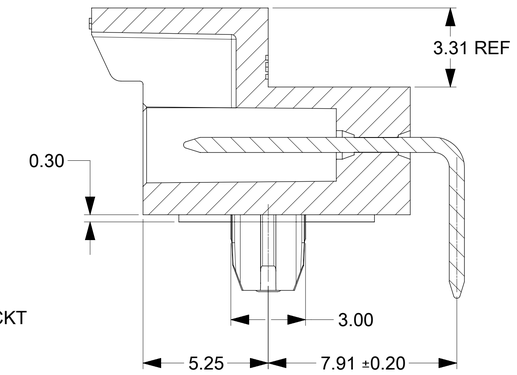


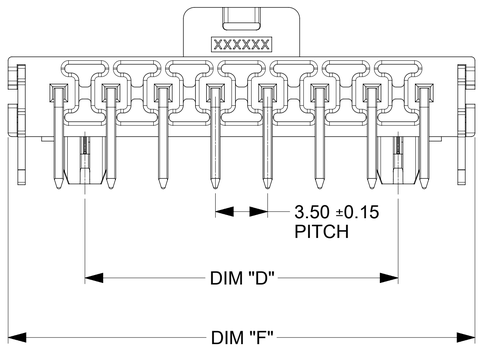


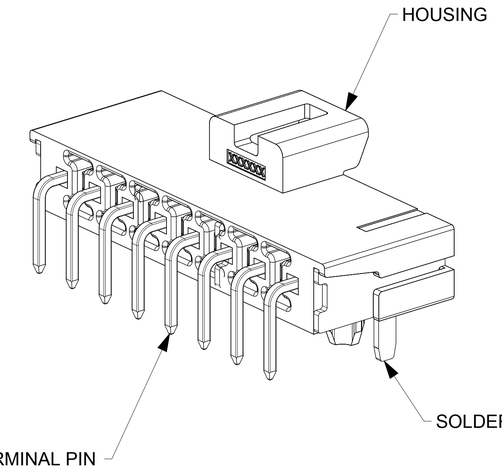






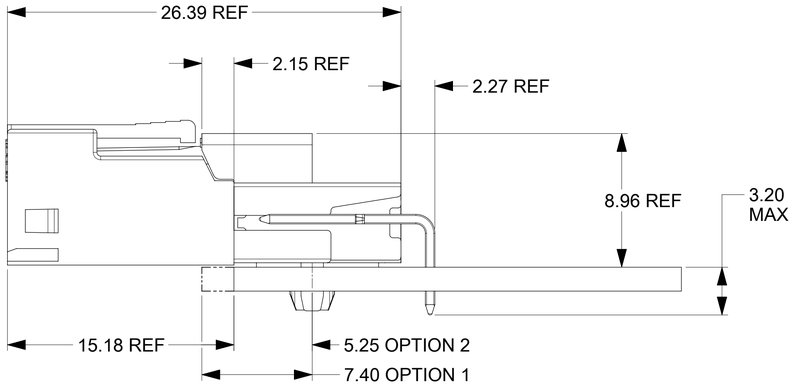
SECTION A-A
SCALE 8:1





NOTES:

1. MATERIAL :
   HOUSING:
   OPTION 1: LCP BLACK, UL94V-0
   OPTION 2: LCP NATURAL, UL94V-0
   TERMINAL: COPPER ALLOY
2. PLATING FINISH:
   OPTION 1 - 1.5µm(60µin)-2.5µm(100µin) REFLOW MATTE TIN OVER
   1.25µm(50µin)-2.5µm(100µin) NICKEL OVERALL
   OPTION 2 - 0.35µm(15µin) GOLD CONTACT AREA,
   1.5µm(60µin)-2.5µm(100µin) MATTE TIN OVER
   1.25µm(50µin)-2.5µm(100µin) NICKEL OVERALL
   OPTION 3 - 0.70µm(30µin) GOLD CONTACT AREA,
   1.5µm(60µin)-2.5µm(100µin) MATTE TIN OVER
   1.25µm(50µin)-2.5µm(100µin) NICKEL OVERALL
2. PARTS TO BE PACKAGED PER CHART FOR DETAIL
3. PRODUCT SPECIFICATION PS-172323-0001
4. PART MATES WITH MOLEX RECEPTACLE HOUSING
   172256 AND 172260
5. PART CONFORMS TO CLASS "C" REQUIREMENTS OF MOLEX COSMETIC
   SPECIFICATION.
   PS-45499-002 WITH 0.13 MM MAXIMUM FLASH ALLOWED IN CORE
   HOLES AND FRONT SURFACE.
6. LASER MARK CODE IN A FORMAT DDDY
7. PARTS ARE NOT DESIGNED FOR CURRENT SHARING.



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

DOCUMENT STATUS	P1	RELEASE DATE	2023/10/30 03:31:17

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SYMBOLS	
A, B, C, D, E, F, S = 0	
▽ = 0	
▼ = 0	
☒ = 0	
■ = 0	
▽ = 0	

DIMENSION UNITS	SCALE
mm	5:1

GENERAL TOLERANCES (UNLESS SPECIFIED)

ANGULAR TOL	±	°
4 PLACES	±	
3 PLACES	±	
2 PLACES	±	0.13
1 PLACE	±	0.25
0 PLACES	±	

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

CURRENT REV DESC:

EC NO: 767102
DRWN: LEOW 2023/07/19
CHK'D: XQZHANG 2023/10/30
APPR: XQZHANG 2023/10/30

INITIAL REVISION:
DRWN: PPEREZ03 2016/02/22
APPR: RHODGE 2016/06/21

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

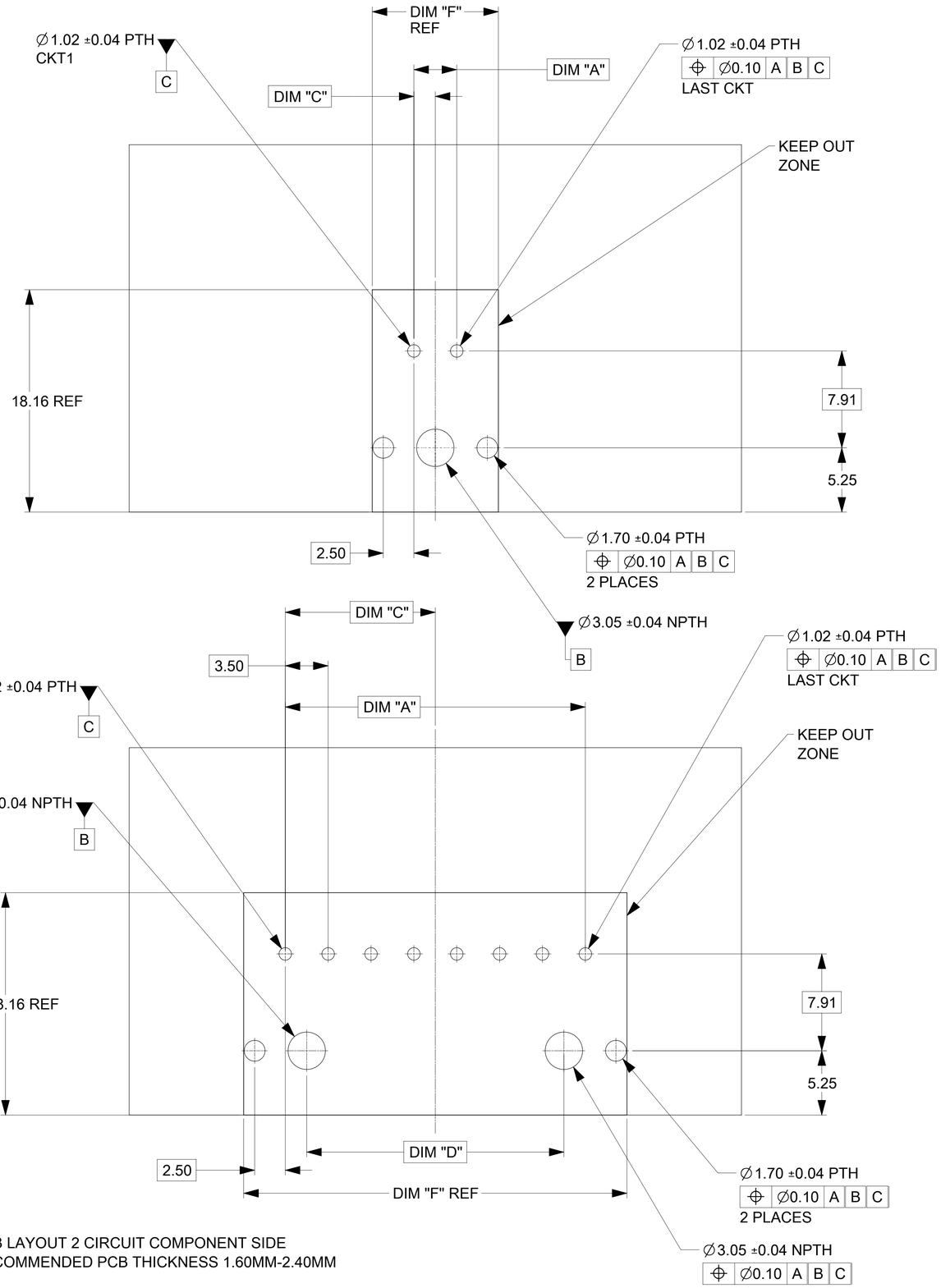
molex

ULTRA-FIT SR R/A HEAD SN ASSY

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
1723102000	PSD	000	B2

MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
		1 OF 3



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

TIN PLATING								
PART NO.	COLOR	CIRCUIT SIZE	KEY OPTION	DIM A	DIM F	DIM C	DIM D	PACKING SPEC
172310-3102	BLACK	2	KEY A	3.50	10.30	1.75	0.00	PK-172310-9001
172310-3103	BLACK	3	KEY A	7.00	13.80	3.50	0.00	
172310-3104	BLACK	4	KEY A	10.50	17.30	5.25	7.00	
172310-3105	BLACK	5	KEY A	14.00	20.80	7.00	10.50	
172310-3106	BLACK	6	KEY A	17.50	24.30	8.75	14.00	
172310-3107	BLACK	7	KEY A	21.00	27.80	10.50	17.50	
172310-3108	BLACK	8	KEY A	24.50	31.30	12.25	21.00	
172310-4102	NATURAL	2	KEY B	3.50	10.30	1.75	0.00	
172310-4103	NATURAL	3	KEY B	7.00	13.80	3.50	0.00	
172310-4104	NATURAL	4	KEY B	10.50	17.30	5.25	7.00	
172310-4105	NATURAL	5	KEY B	14.00	20.80	7.00	10.50	
172310-4106	NATURAL	6	KEY B	17.50	24.30	8.75	14.00	
172310-4107	NATURAL	7	KEY B	21.00	27.80	10.50	17.50	
172310-4108	NATURAL	8	KEY B	24.50	31.30	12.25	21.00	
172310-8103	BLACK	3	KEY A	7.00	13.80	3.50	0.00	1723108000-PK
172310-9103	NATURAL	3	KEY B	7.00	13.80	3.50	0.00	

15 MICROINCH GOLD PLATING								
PART NO.	COLOR	CIRCUIT SIZE	KEY OPTION	DIM A	DIM F	DIM C	DIM D	PACKING SPEC
172310-3202	BLACK	2	KEY A	3.50	10.30	1.75	0.00	PK-172310-9001
172310-3203	BLACK	3	KEY A	7.00	13.80	3.50	0.00	
172310-3204	BLACK	4	KEY A	10.50	17.30	5.25	7.00	
172310-3205	BLACK	5	KEY A	14.00	20.80	7.00	10.50	
172310-3206	BLACK	6	KEY A	17.50	24.30	8.75	14.00	
172310-3207	BLACK	7	KEY A	21.00	27.80	10.50	17.50	
172310-3208	BLACK	8	KEY A	24.50	31.30	12.25	21.00	
172310-4202	NATURAL	2	KEY B	3.50	10.30	1.75	0.00	
172310-4203	NATURAL	3	KEY B	7.00	13.80	3.50	0.00	
172310-4204	NATURAL	4	KEY B	10.50	17.30	5.25	7.00	
172310-4205	NATURAL	5	KEY B	14.00	20.80	7.00	10.50	
172310-4206	NATURAL	6	KEY B	17.50	24.30	8.75	14.00	
172310-4207	NATURAL	7	KEY B	21.00	27.80	10.50	17.50	
172310-4208	NATURAL	8	KEY B	24.50	31.30	12.25	21.00	
172310-8203	BLACK	3	KEY A	7.00	13.80	3.50	0.00	1723108000-PK
172310-9203	NATURAL	3	KEY B	7.00	13.80	3.50	0.00	

30 MICROINCH PLATING								
PART NO.	COLOR	CIRCUIT SIZE	KEY OPTION	DIM A	DIM F	DIM C	DIM D	PACKING SPEC
172310-3302	BLACK	2	KEY A	3.50	10.30	1.75	0.00	PK-172310-9001
172310-3303	BLACK	3	KEY A	7.00	13.80	3.50	0.00	
172310-3304	BLACK	4	KEY A	10.50	17.30	5.25	7.00	
172310-3305	BLACK	5	KEY A	14.00	20.80	7.00	10.50	
172310-3306	BLACK	6	KEY A	17.50	24.30	8.75	14.00	
172310-3307	BLACK	7	KEY A	21.00	27.80	10.50	17.50	
172310-3308	BLACK	8	KEY A	24.50	31.30	12.25	21.00	
172310-4302	NATURAL	2	KEY B	3.50	10.30	1.75	0.00	
172310-4303	NATURAL	3	KEY B	7.00	13.80	3.50	0.00	
172310-4304	NATURAL	4	KEY B	10.50	17.30	5.25	7.00	
172310-4305	NATURAL	5	KEY B	14.00	20.80	7.00	10.50	
172310-4306	NATURAL	6	KEY B	17.50	24.30	8.75	14.00	
172310-4307	NATURAL	7	KEY B	21.00	27.80	10.50	17.50	
172310-4308	NATURAL	8	KEY B	24.50	31.30	12.25	21.00	
172310-8303	BLACK	3	KEY A	7.00	13.80	3.50	0.00	1723108000-PK
172310-9303	NATURAL	3	KEY B	7.00	13.80	3.50	0.00	

SYMBOLS	
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E = 0	
B = 0	
S = 0	
= 0	
C = 0	
= 0	
= 0	
= 0	

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

DIMENSION UNITS	SCALE
mm	5:1

GENERAL TOLERANCES (UNLESS SPECIFIED)

ANGULAR TOL	±	°
4 PLACES	±	
3 PLACES	±	
2 PLACES	±	0.13
1 PLACE	±	0.25
0 PLACES	±	

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

CURRENT REV DESC:

EC NO: 767102
DRWN: LEOW 2023/07/19
CHK'D: XQZHANG 2023/10/30
APPR: XQZHANG 2023/10/30

INITIAL REVISION:
DRWN: PPEREZ03 2016/02/22
APPR: RHODGE 2016/06/21

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

molex

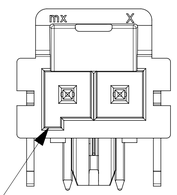
ULTRA-FIT SR R/A HEAD SN ASSY

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
1723102000	PSD	000	B2

MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
		2 OF 3

DOCUMENT STATUS	P1	RELEASE DATE	2023/10/30	03:31:17



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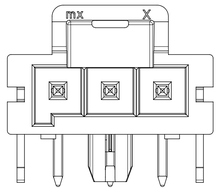

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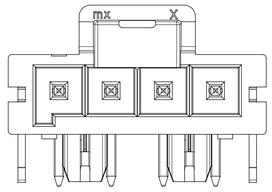

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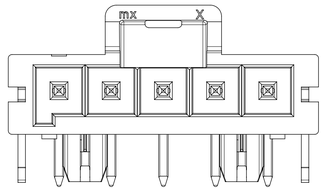

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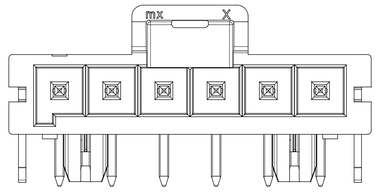

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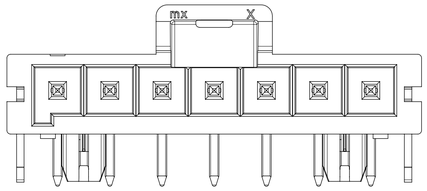

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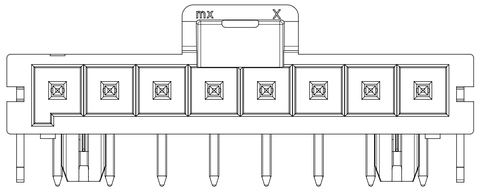
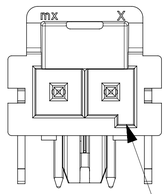


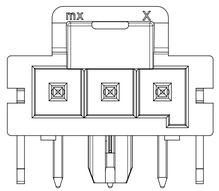
8CKT

BLACK

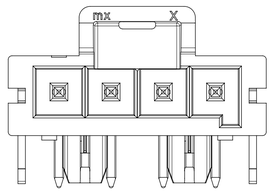


2 CKT

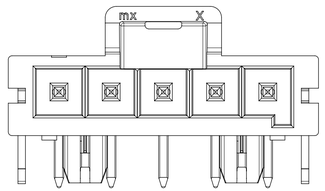
KEY B (NATURAL)



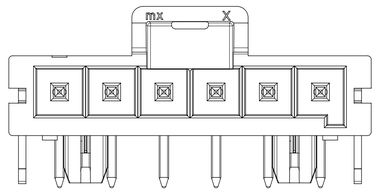
3 CKT



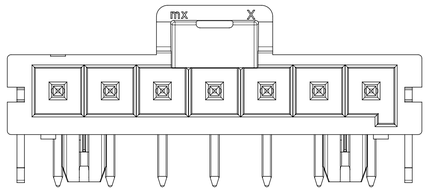
4 CKT



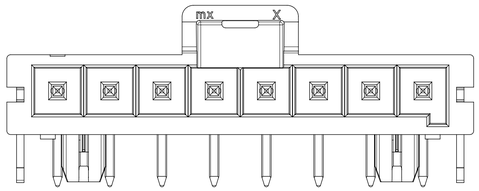
5 CKT



6 CKT



7 CKT



8 CKT

NATURAL

COLOR-POLARIZATION

SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				
FA = 0	DIMENSION UNITS: mm	SCALE: 5:1	CURRENT REV DESC:		molex
FC = 0	GENERAL TOLERANCES (UNLESS SPECIFIED)				
FB = 0	ANGULAR TOL ± °		EC NO: 767102		ULTRA-FIT SR R/A HEAD SN ASSY
S = 0	4 PLACES ±		DRWN: LEOW	2023/07/19	
= 0	3 PLACES ±		CHK'D: XQZHANG	2023/10/30	PRODUCT CUSTOMER DRAWING
C = 0	2 PLACES ± 0.13		APPR: XQZHANG	2023/10/30	
= 0	1 PLACE ± 0.25		INITIAL REVISION:		DOCUMENT NUMBER: 1723102000 | DOC TYPE: PSD | DOC PART: 000 | REVISION: B2
= 0	0 PLACES ±		DRWN: PPEREZ03	2016/02/22	
= 0	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		APPR: RHODGE	2016/06/21	
= 0	THIRD ANGLE PROJECTION	DRAWING: D-SIZE	SERIES: 172310	MATERIAL NUMBER	CUSTOMER | SHEET NUMBER: 3 OF 3

DOCUMENT STATUS	P1	RELEASE DATE	2023/10/30 03:31:17