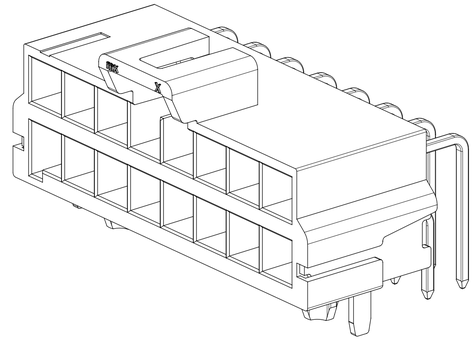
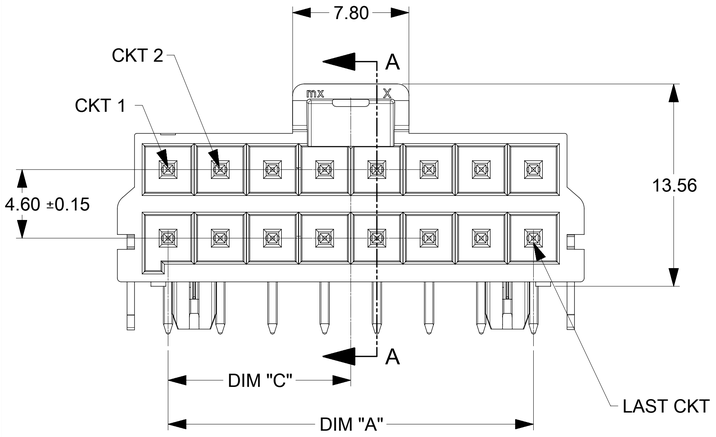
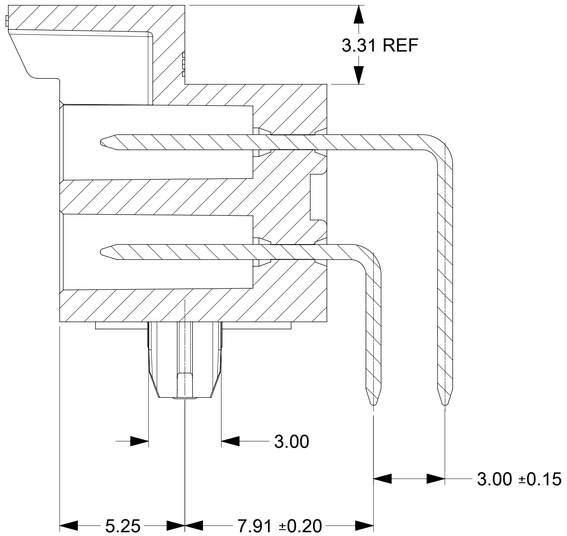
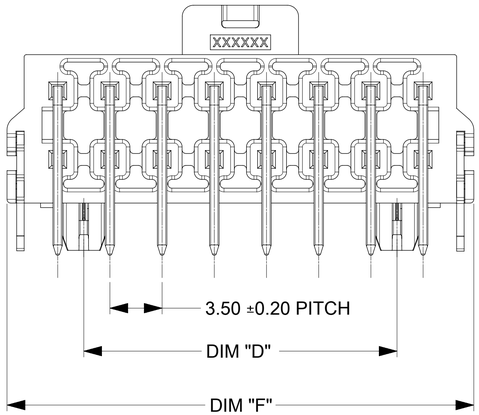


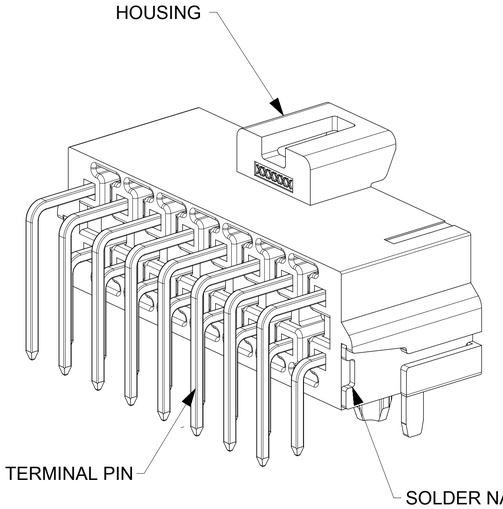






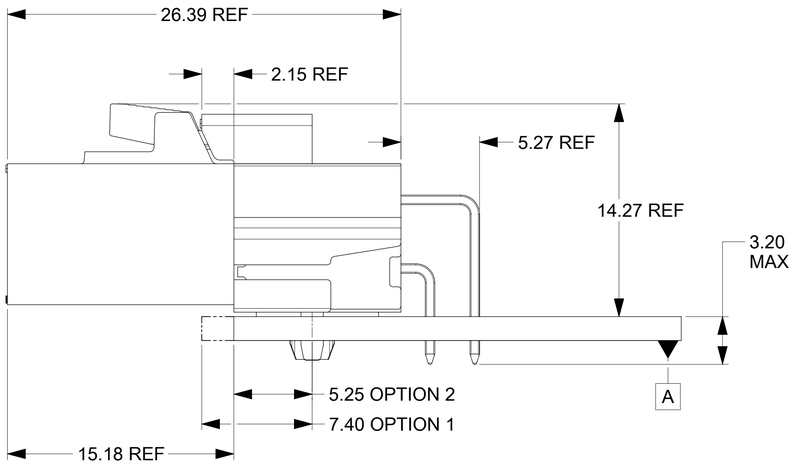
SECTION A-A
SCALE 8:1





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 172316-1114-PK
3. PRODUCT SPECIFICATION PS-172323-0001
4. PART MATES WITH MOLEX RECEPTACLE HOUSING
   172258 AND 172262
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

SYMBOLS	
A = 0	
C = 0	
E = 0	
S = 0	
= 0	
V = 0	
= 0	
= 0	
= 0	

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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: 762168
DRWN: LEOW 2023/09/06
CHK'D: XQZHANG 2024/02/20
APPR: XQZHANG 2024/02/20

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

THIRD ANGLE PROJECTION | DRAWING: D-SIZE | SERIES: 172316

molex

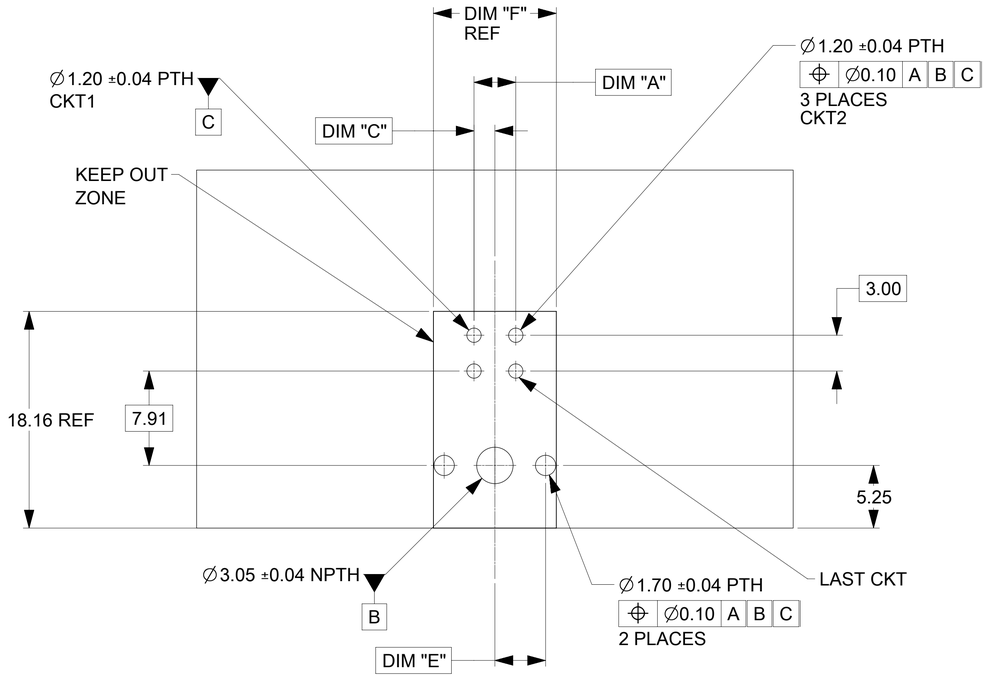
ULTRA-FIT DR R/A HEAD SN ASSY

PRODUCT CUSTOMER DRAWING

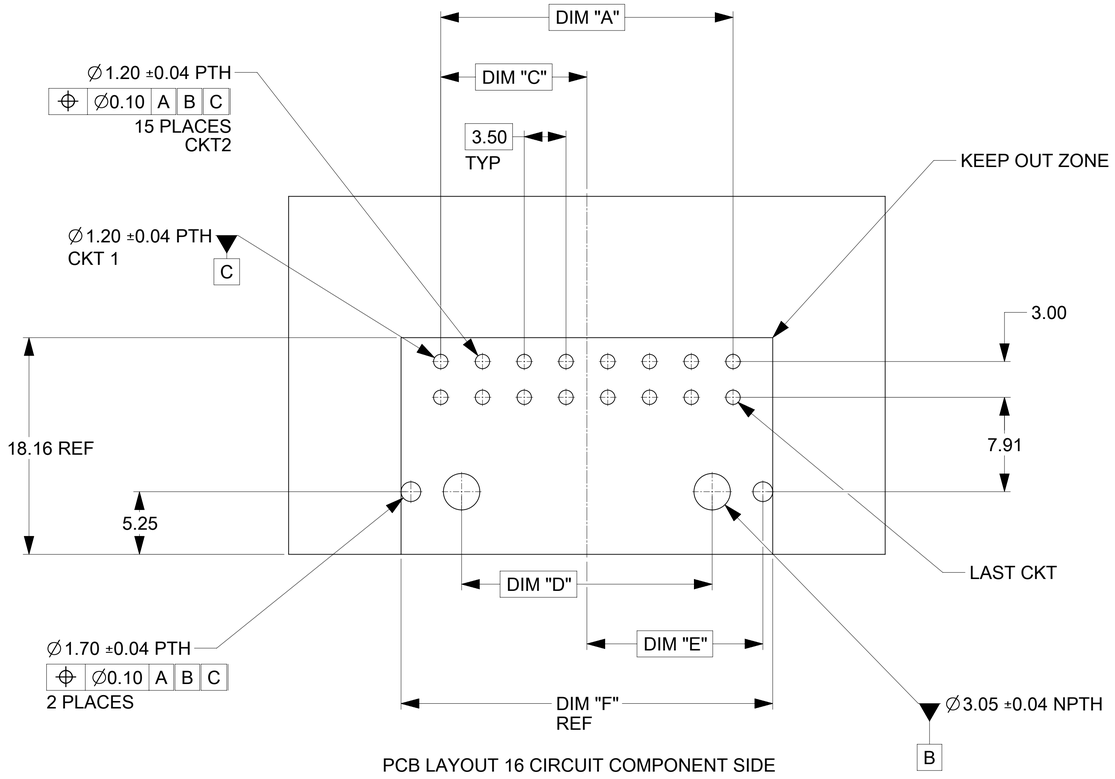
DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
1723162000	PSD	000	E

MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
		1 OF 3

DOCUMENT STATUS	P1	RELEASE DATE	2024/02/20 20:39:38



PCB LAYOUT 4 CIRCUIT COMPONENT SIDE
RECOMMENDED PCB THICKNESS 1.60MM-2.40MM



PCB LAYOUT 16 CIRCUIT COMPONENT SIDE
RECOMMENDED PCB THICKNESS 1.60MM-2.40MM

DOCUMENT STATUS	P1	RELEASE DATE	2024/02/20 20:39:38

TIN PLATING								
PART NO.	COLOR	CIRCUIT SIZE	KEY OPTION	DIM A	DIM F	DIM C	DIM D	DIM E
172316-3104	BLACK	4	KEY A	3.50	10.30	1.75	0.00	4.25
172316-3106	BLACK	6	KEY A	7.00	13.80	3.50	0.00	6.00
172316-3108	BLACK	8	KEY A	10.50	17.30	5.25	7.00	7.75
172316-3110	BLACK	10	KEY A	14.00	20.80	7.00	10.50	9.50
172316-3112	BLACK	12	KEY A	17.50	24.30	8.75	14.00	11.25
172316-3114	BLACK	14	KEY A	21.00	27.80	10.50	17.50	13.00
172316-3116	BLACK	16	KEY A	24.50	31.30	12.25	21.00	14.75
172316-4104	NATURAL	4	KEY B	3.50	10.30	1.75	0.00	4.25
172316-4106	NATURAL	6	KEY B	7.00	13.80	3.50	0.00	6.00
172316-4108	NATURAL	8	KEY B	10.50	17.30	5.25	7.00	7.75
172316-4110	NATURAL	10	KEY B	14.00	20.80	7.00	10.50	9.50
172316-4112	NATURAL	12	KEY B	17.50	24.30	8.75	14.00	11.25
172316-4114	NATURAL	14	KEY B	21.00	27.80	10.50	17.50	13.00
172316-4116	NATURAL	16	KEY B	24.50	31.30	12.25	21.00	14.75

15 MICROINCH GOLD PLATING								
PART NO.	COLOR	CIRCUIT SIZE	KEY OPTION	DIM A	DIM F	DIM C	DIM D	DIM E
172316-3204	BLACK	4	KEY A	3.50	10.30	1.75	0.00	4.25
172316-3206	BLACK	6	KEY A	7.00	13.80	3.50	0.00	6.00
172316-3208	BLACK	8	KEY A	10.50	17.30	5.25	7.00	7.75
172316-3210	BLACK	10	KEY A	14.00	20.80	7.00	10.50	9.50
172316-3212	BLACK	12	KEY A	17.50	24.30	8.75	14.00	11.25
172316-3214	BLACK	14	KEY A	21.00	27.80	10.50	17.50	13.00
172316-3216	BLACK	16	KEY A	24.50	31.30	12.25	21.00	14.75
172316-4204	NATURAL	4	KEY B	3.50	10.30	1.75	0.00	4.25
172316-4206	NATURAL	6	KEY B	7.00	13.80	3.50	0.00	6.00
172316-4208	NATURAL	8	KEY B	10.50	17.30	5.25	7.00	7.75
172316-4210	NATURAL	10	KEY B	14.00	20.80	7.00	10.50	9.50
172316-4212	NATURAL	12	KEY B	17.50	24.30	8.75	14.00	11.25
172316-4214	NATURAL	14	KEY B	21.00	27.80	10.50	17.50	13.00
172316-4216	NATURAL	16	KEY B	24.50	31.30	12.25	21.00	14.75

30 MICROINCH GOLD PLATING								
PART NO.	COLOR	CIRCUIT SIZE	KEY OPTION	DIM A	DIM F	DIM C	DIM D	DIM E
172316-3304	BLACK	4	KEY A	3.50	10.30	1.75	0.00	4.25
172316-3306	BLACK	6	KEY A	7.00	13.80	3.50	0.00	6.00
172316-3308	BLACK	8	KEY A	10.50	17.30	5.25	7.00	7.75
172316-3310	BLACK	10	KEY A	14.00	20.80	7.00	10.50	9.50
172316-3312	BLACK	12	KEY A	17.50	24.30	8.75	14.00	11.25
172316-3314	BLACK	14	KEY A	21.00	27.80	10.50	17.50	13.00
172316-3316	BLACK	16	KEY A	24.50	31.30	12.25	21.00	14.75
172316-4304	NATURAL	4	KEY B	3.50	10.30	1.75	0.00	4.25
172316-4306	NATURAL	6	KEY B	7.00	13.80	3.50	0.00	6.00
172316-4308	NATURAL	8	KEY B	10.50	17.30	5.25	7.00	7.75
172316-4310	NATURAL	10	KEY B	14.00	20.80	7.00	10.50	9.50
172316-4312	NATURAL	12	KEY B	17.50	24.30	8.75	14.00	11.25
172316-4314	NATURAL	14	KEY B	21.00	27.80	10.50	17.50	13.00
172316-4316	NATURAL	16	KEY B	24.50	31.30	12.25	21.00	14.75

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

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DIMENSION UNITS: mm
SCALE: 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: 762168
DRWN: LEOW 2023/09/06
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APPR: XQZHANG 2024/02/20

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

THIRD ANGLE PROJECTION | DRAWING: D-SIZE | SERIES: 172316

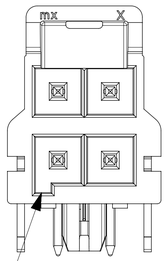
molex

ULTRA-FIT DR R/A HEAD SN ASSY

PRODUCT CUSTOMER DRAWING

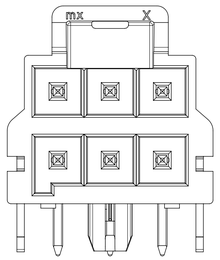
DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
1723162000	PSD	000	E

MATERIAL NUMBER | CUSTOMER | SHEET NUMBER: 2 OF 3

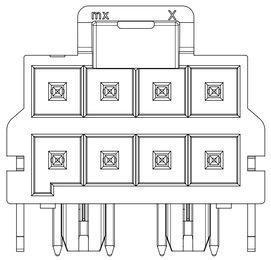


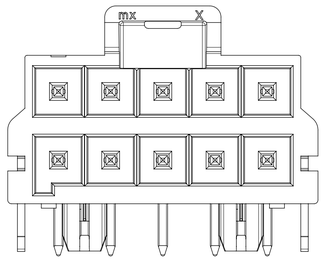
KEY A (BLACK)

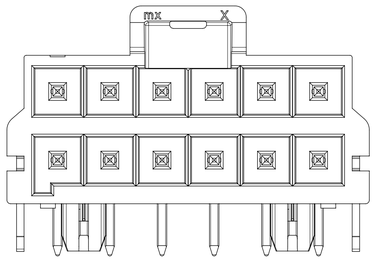
4CKT

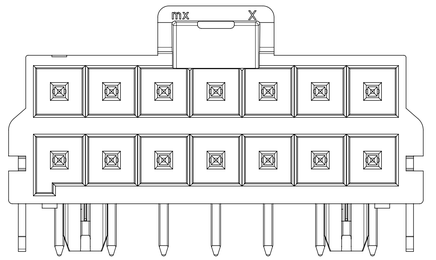


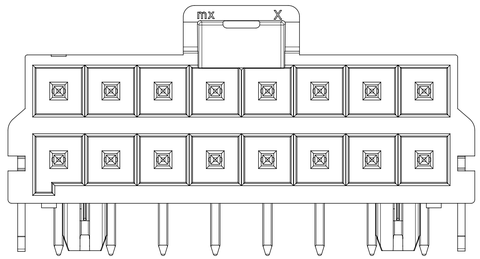
6CKT











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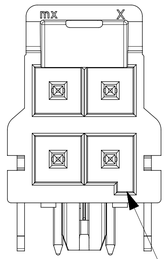

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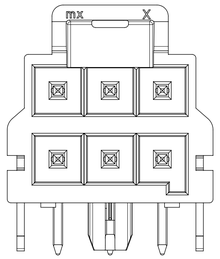

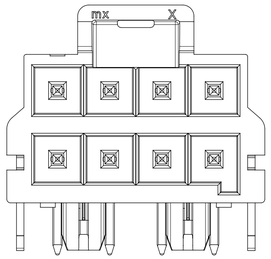

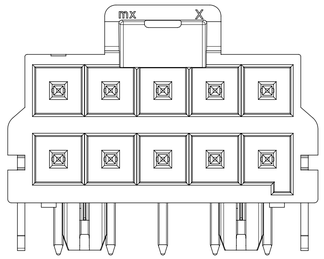

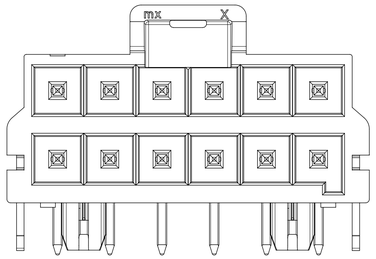

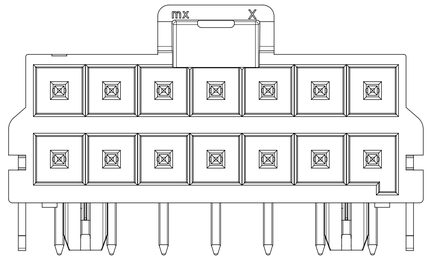

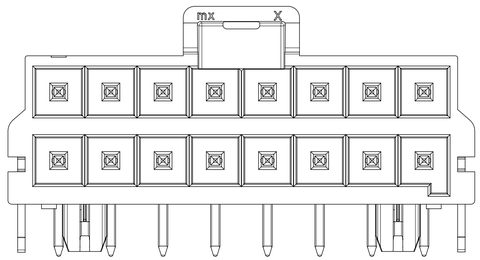

NATURAL

COLOR-POLARIZATION

SYMBOLS	
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C = 0	
F = 0	
S = 0	
= 0	
C = 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

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THIRD ANGLE PROJECTION | DRAWING: D-SIZE | SERIES: 172316

molex

ULTRA-FIT DR R/A HEAD SN ASSY

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
1723162000	PSD	000	E

MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
		3 OF 3

DOCUMENT STATUS	P1	RELEASE DATE	2024/02/20 20:39:38