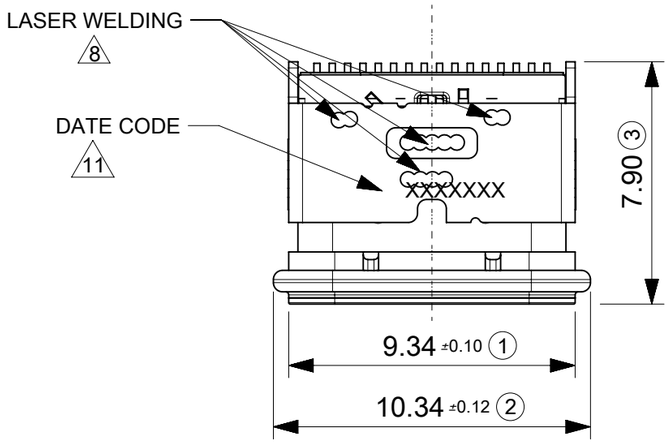
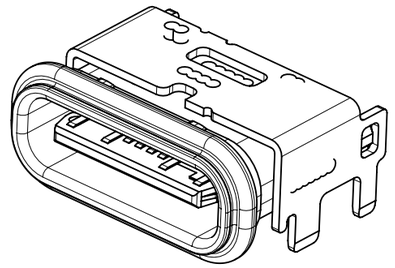
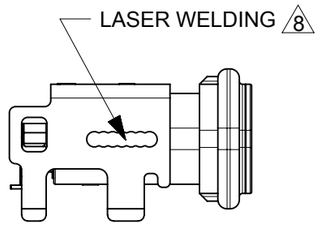
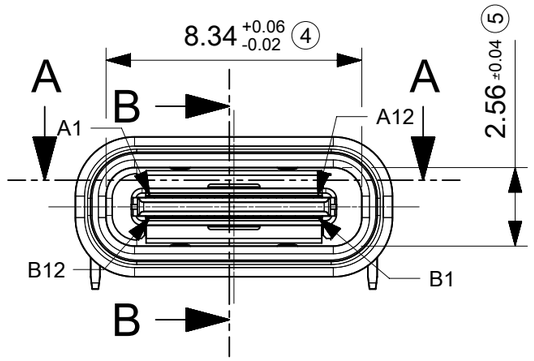
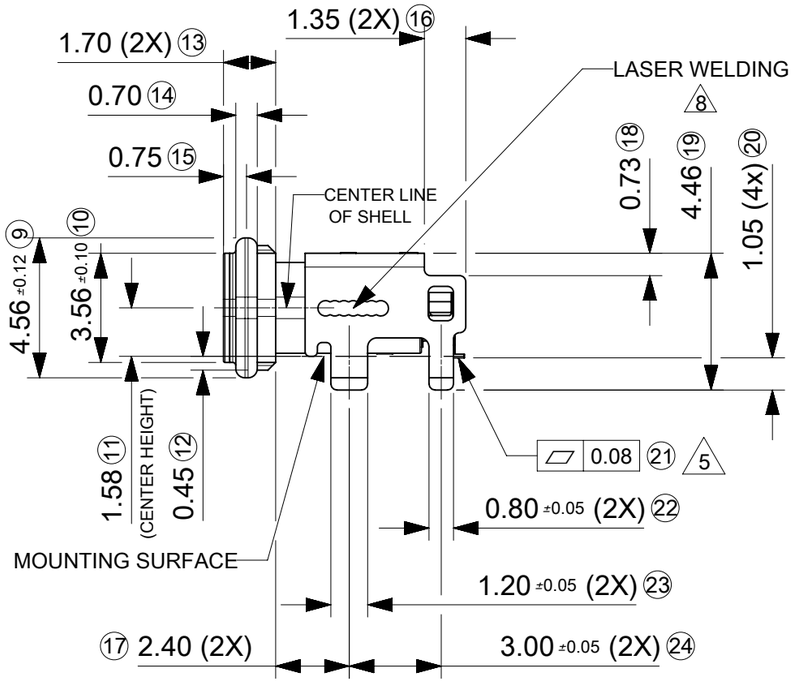
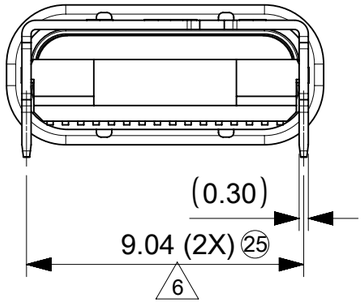


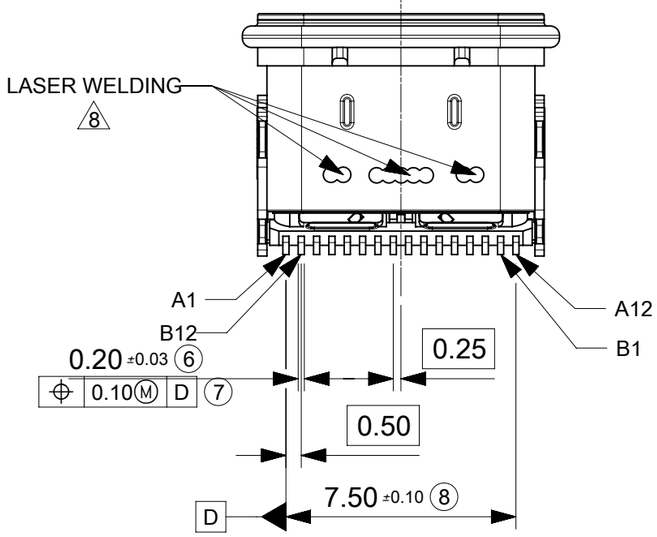












THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

DIMENSION UNITS	SCALE
mm	5:1

GENERAL TOLERANCES (UNLESS SPECIFIED)

ANGULAR TOL	± 3.0 °
4 PLACES	±
3 PLACES	±
2 PLACES	± 0.25
1 PLACE	± 0.25
0 PLACES	±

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

CURRENT REV DESC: ADDED PART NUMBER TO TABLE -2130830006

EC NO: 865754
DRWN: NIKHIA1 2026/09/10
CHK'D: JWU95 2026/09/13
APPR: JWU95 2026/09/13

INITIAL REVISION:
DRWN: FYANG05 2019/10/17
APPR: RZHANG 2020/09/29

molex

USB C,RECEPTACLE,16PIN,WATERPROOF

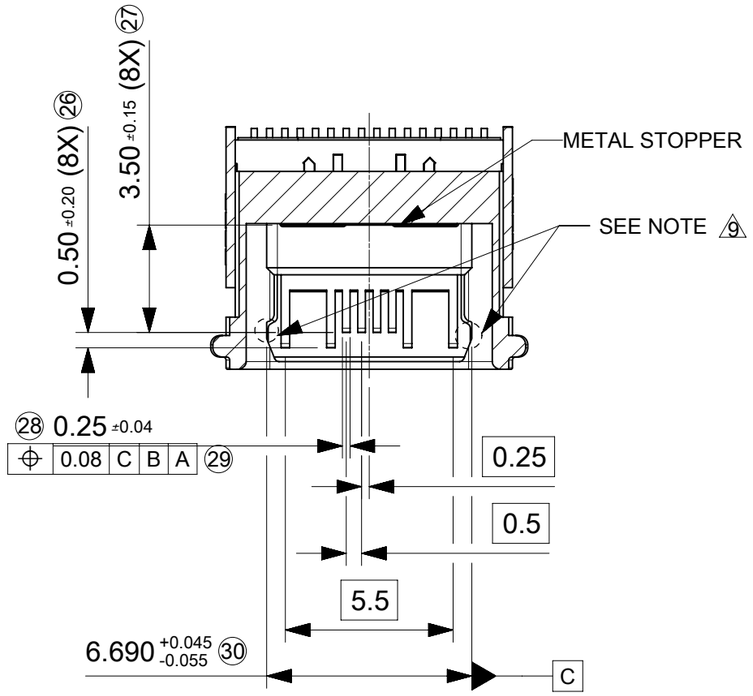
PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
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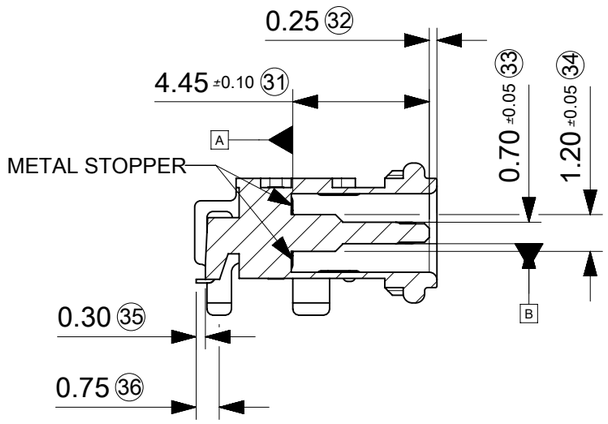
THIRD ANGLE PROJECTION	DRAWING	SERIES	MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
	A3-SIZE	213083	SEE TABLE	GENERAL MARKETING	1 OF 4

DOCUMENT STATUS	P1	RELEASE DATE	2026/09/13 00:20:42

FORMAT: molex_SD_prod-A3
REVISION: J
DATE: 2020/01/14



SECTION A-A



SECTION B-B

NOTES:
1. MATERIAL:
   HOUSING: NYLON WITH GLASS FILLED, BLACK, UL94V-0.
   TERMINALS: COPPER ALLOY.
   SHELL: STAINLESS STEEL.
   SEALING RING: SILICA GEL
2. PLATING:
   TERMINAL:
      CONTACT AREA:0.76 MICROMETER MIN. GOLD PLATING
      UNDER PLATING: 2 MICROMETER MIN. NICKEL PLATING OVERALL
   SHELL: 1 MICROMETR MIN. SOLDERABLE NICKEL PLATING OVERALL.
3. PRODUCT SPEC REFER TO 2130830001PS000.
4. PACKAGE SPEC SEE TABLE.
5. COPLANARITY OF SMT PINS SOLDER TAIL IS 0.08MM MAX.
   AND RECOMMEND THE STENCIAL THICKNESS IS 0.10MM MIM.
6. T/H SOLDER TAIL POSITION CAN BE CONTROLED BY GAUGE.
7. DESIGN FOR WATERPROOF WITH IPX8(WATER SLOT WITH 1.5MM&30MINUTES)
8. LASER WELDING POINTS MAY BE DISCLORED.
9. METAL EXPOSED AREA COULD BE SLIGHTLY CHANGED BASED ON
   MANUFACTURE PROCESS CONDITION IN EACH LOT.
   HOWEVER,THIS WOULD NOT AFFECT CONNECTOR FUNCTION.
10. PIN ASSIGNMENT COMPLIANCE TO USB TYPE C STANDARD.
    AND THE MATING DIMENSIONS CONSIST OF
    "Universal Serial Bus Type-C cable and Connector Specification."
11. DATE CODE: XX XX XX XX
    YEAR MONTH DATE HOUR

PART NUMBER	PACKAGE SPEC
2130830005	2130830001PDDPK0
2130830006	2130830006PDDPK0

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DIMENSION UNITS	SCALE
mm	10:1

GENERAL TOLERANCES (UNLESS SPECIFIED)

ANGULAR TOL	± 3.0 °
4 PLACES	±
3 PLACES	±
2 PLACES	± 0.25
1 PLACE	± 0.25
0 PLACES	±

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

CURRENT REV DESC: ADDED PART NUMBER TO TABLE -2130830006

EC NO: 865754
DRWN: NIKHIA1 2026/09/10
CHK'D: JWU95 2026/09/13
APPR: JWU95 2026/09/13

INITIAL REVISION:
DRWN: FYANG05 2019/10/17
APPR: RZHANG 2020/09/29

THIRD ANGLE PROJECTION | DRAWING: A3-SIZE | SERIES: 213083

molex

USB C,RECEPTACLE,16PIN,WATERPROOF

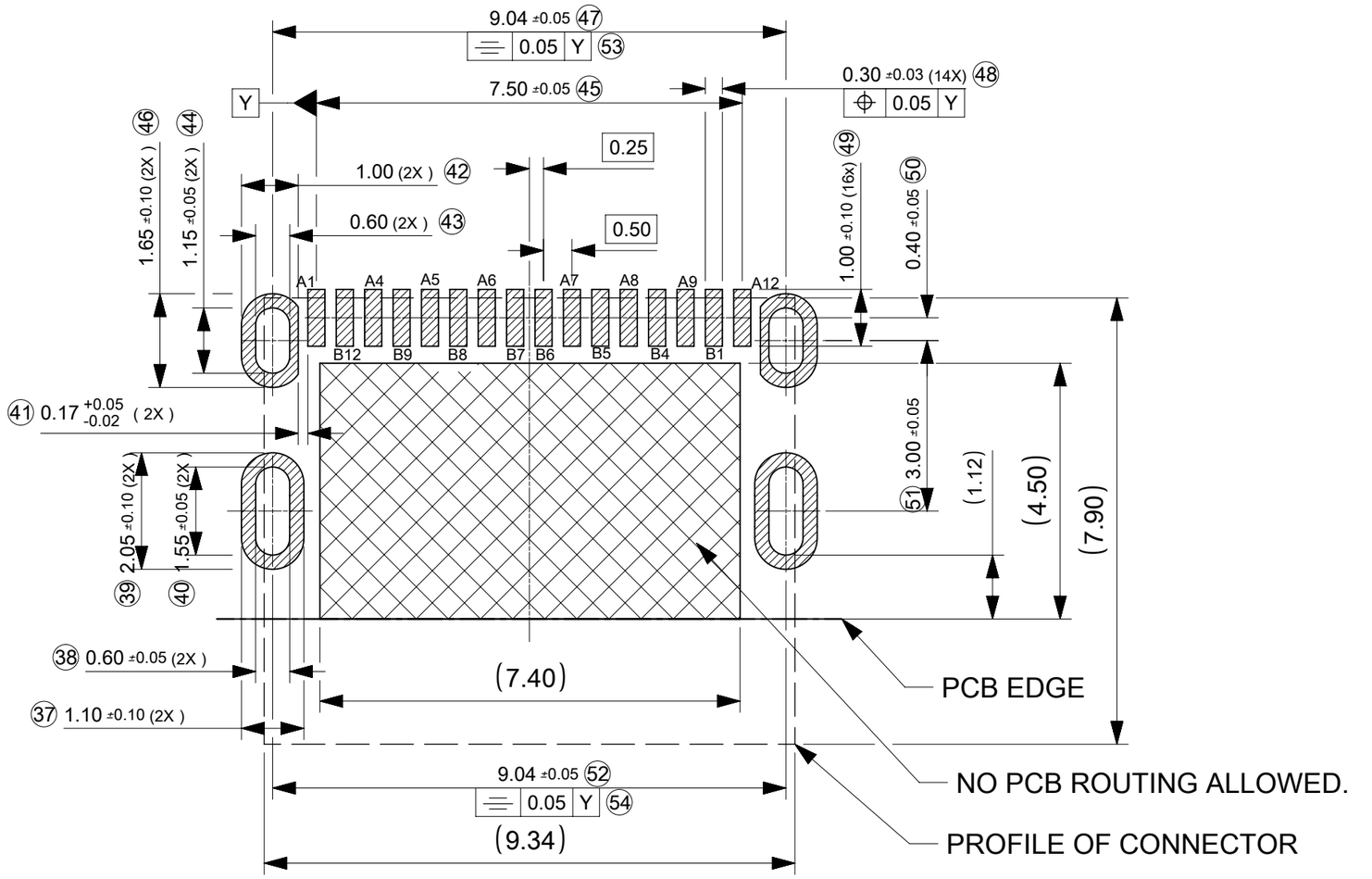
PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
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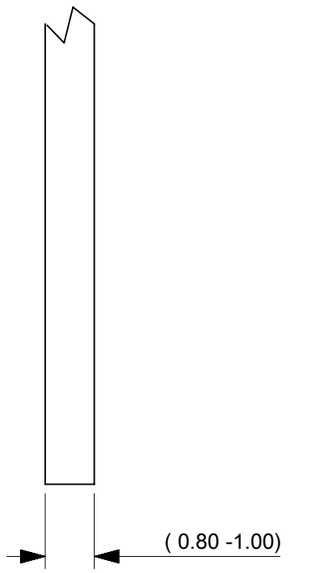
MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
SEE TABLE	GENERAL MARKETING	2 OF 4

DOCUMENT STATUS	P1	RELEASE DATE	2026/09/13 00:20:42

FORMAT: molex_2D_A3
REVISION: J
DATE: 2020/01/14

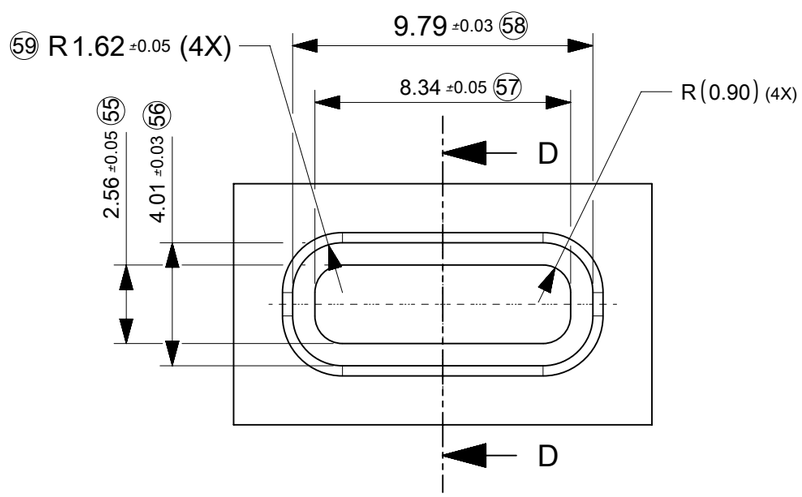


RECOMMENDED PCB LAYOUT

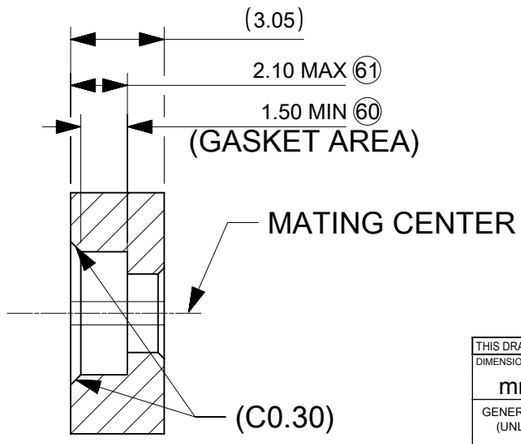


RECOMMENDED PCB THICKNESS

PIN ASSIGNMENT FOR USB C 16PIN							
A1	A4	A5	A6	A7	A8	A9	A12
GND	VBUS	CC1	D+	D-	SUB1	VBUS	GND
B12	B9	B8	B7	B6	B5	B4	B1
GND	VBUS	SUB2	D-	D+	CC2	VBUS	GND



RECOMMENDED HOLE FOR PANEL CASE



SECTION D-D

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DIMENSION UNITS	mm
SCALE	5:1
GENERAL TOLERANCES (UNLESS SPECIFIED)	
ANGULAR TOL ±	3.0 °
4 PLACES ±	
3 PLACES ±	
2 PLACES ±	0.25
1 PLACE ±	0.25
0 PLACES ±	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	

CURRENT REV DESC: ADDED PART NUMBER TO TABLE -2130830006

EC NO: 865754

DRWN:	NIKHIA1	2026/09/10
CHK'D:	JWU95	2026/09/13
APPR:	JWU95	2026/09/13

INITIAL REVISION:

DRWN:	FYANG05	2019/10/17
APPR:	RZHANG	2020/09/29

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USB C,RECEPTACLE,16PIN,WATERPROOF

PRODUCT CUSTOMER DRAWING

THIRD ANGLE PROJECTION	DRAWING	SERIES
	A3-SIZE	213083

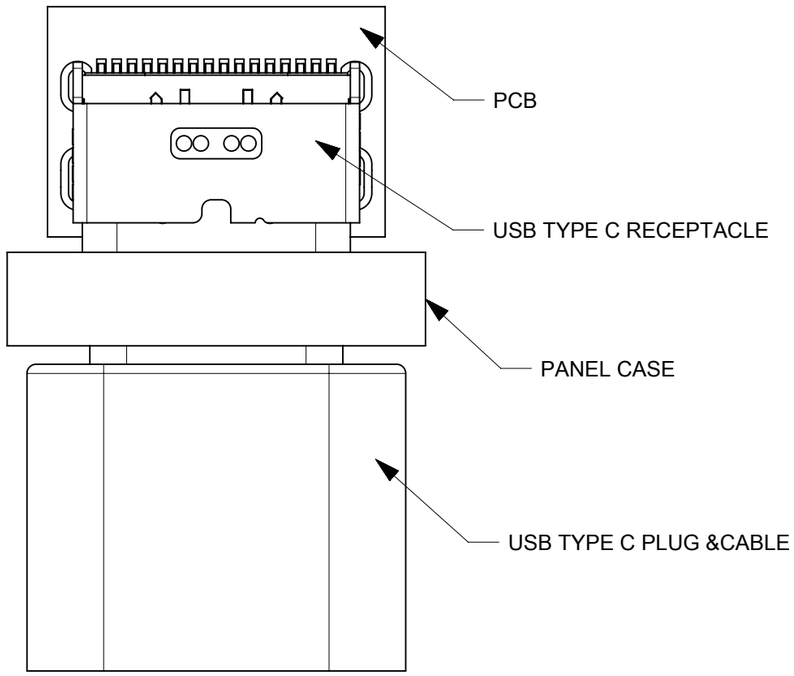
DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
2130830005	PSD	000	A2

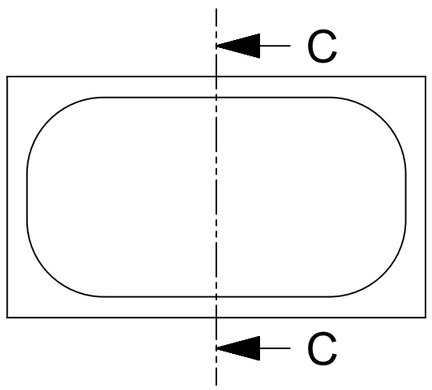
MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
SEE TABLE	GENERAL MARKETING	3 OF 4

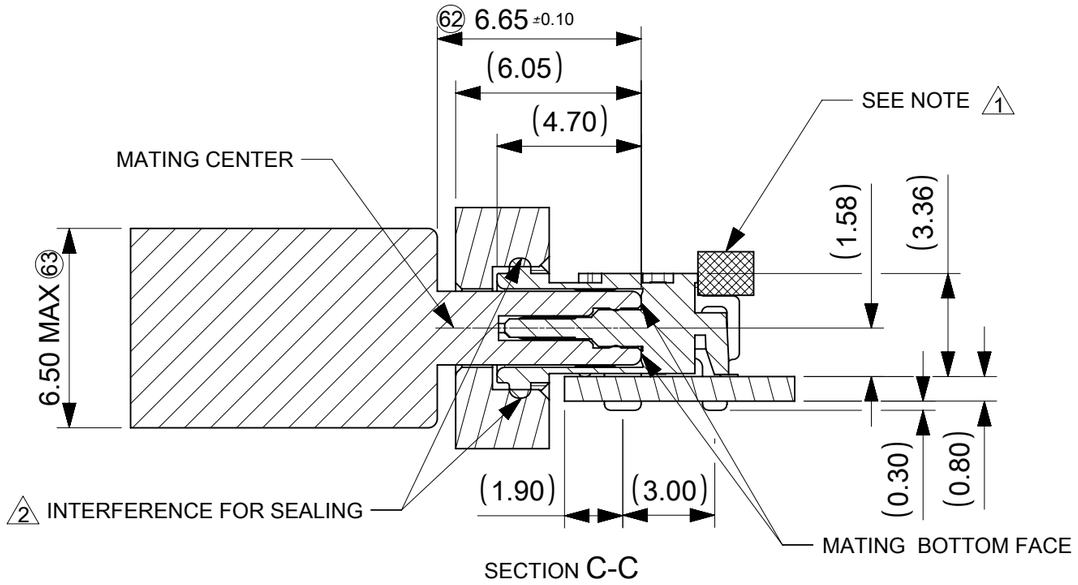
DOCUMENT STATUS	P1	RELEASE DATE	2026/09/13 00:20:42

FORMAT: master_Sheet-A3
REVISION: J
DATE: 2020/01/14

RELATIVE POSITON FOR APPLICATION







SECTION C-C

NOTE :
1. IN ORDER TO PREVENT DAMAGE,THE CONNECTOR SHOULD BE PROTECTED WIHT CASE.
2. THERE IS A POSSIBILITY OF BURR OR PELLICLE OCCUR AT LIM PART.
   BUT IT HAS NO IMPACTION FOR PRODCUTION,ASSEMBLY AND WATERPROOF ABILITY.

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DIMENSION UNITS	mm
SCALE	5:1
GENERAL TOLERANCES (UNLESS SPECIFIED)	
ANGULAR TOL	± 3.0 °
4 PLACES	±
3 PLACES	±
2 PLACES	± 0.25
1 PLACE	± 0.25
0 PLACES	±
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	

CURRENT REV DESC: ADDED PART NUMBER TO TABLE -2130830006

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CHK'D: JWU95 2026/09/13
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INITIAL REVISION:
DRWN: FYANG05 2019/10/17
APPR: RZHANG 2020/09/29

THIRD ANGLE PROJECTION | DRAWING: A3-SIZE | SERIES: 213083

molex

USB C,RECEPTACLE,16PIN,WATERPROOF

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
2130830005	PSD	000	A2

MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
SEE TABLE	GENERAL MARKETING	4 OF 4

DOCUMENT STATUS	P1	RELEASE DATE	2026/09/13 00:20:42

FORMAT: master_Sized-A3
REVISION: J
DATE: 2020/01/14