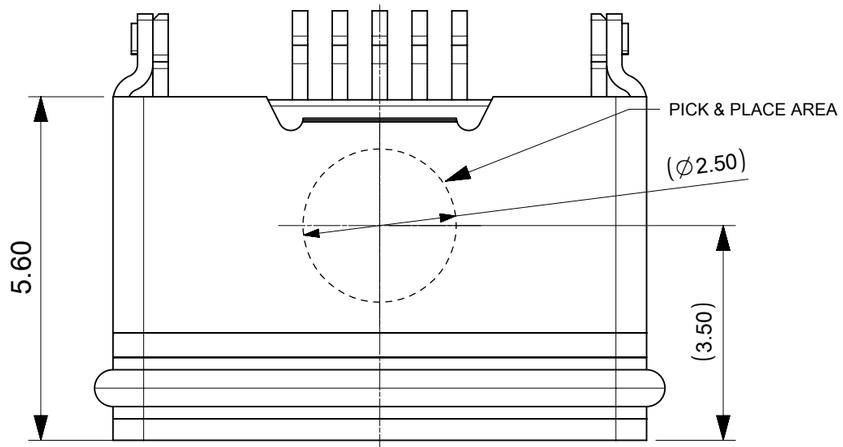
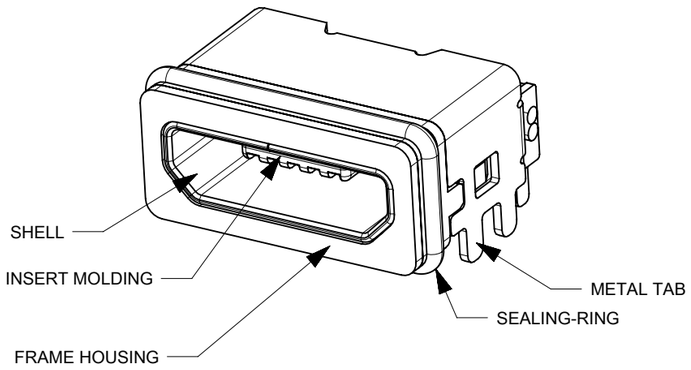
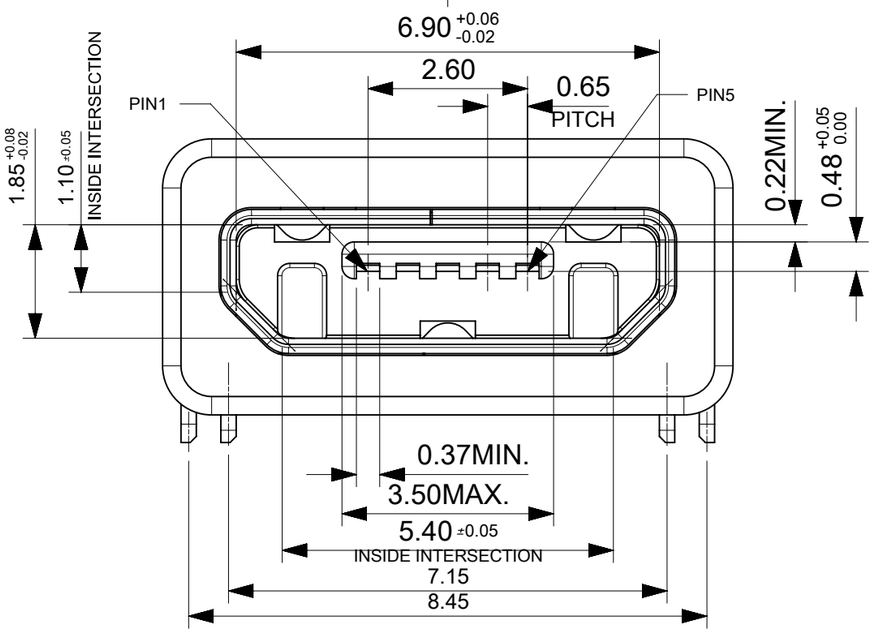
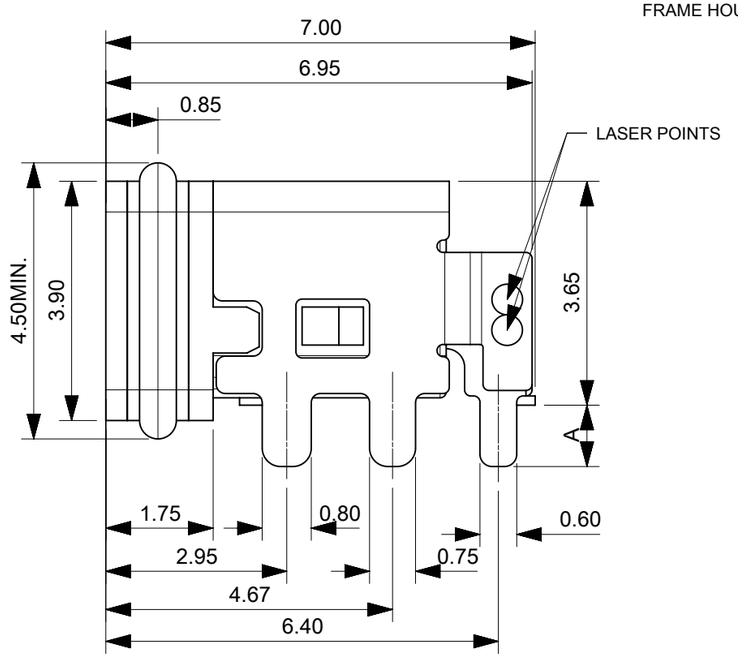
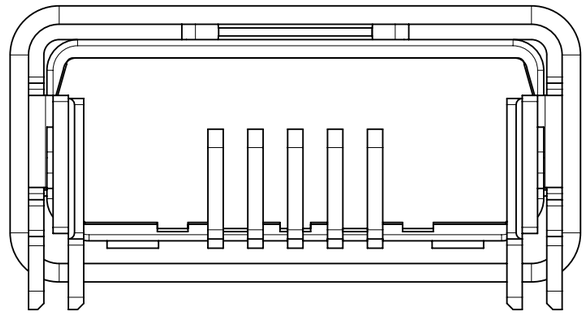
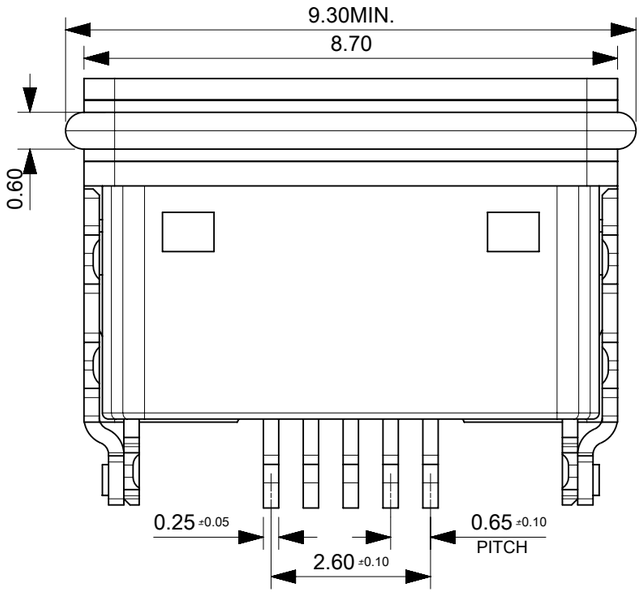












5	GND
4	ID
3	D+
2	D-
1	VBUS
PIN	NAME
PIN ASSIGNMENT	

2049261103	1.00±0.12
PART NUMBER	DIM A

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

DIMENSION UNITS: mm | SCALE: 10:1

GENERAL TOLERANCES (UNLESS SPECIFIED)

	MM	INCH
4 PLACES	±	±
3 PLACES	±	±
2 PLACES	± 0.15	±
1 PLACE	± 0.25	±
0 PLACES	±	±
ANGULAR TOL	± 3.0 °	

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

CURRENT REV DESC: REMOVED OBSOLETED PART NUMBERS AS PER PCN#515023

EC NO: 815022
DRWN: MADHAM5 2025/03/07
CHK'D: GGA 2025/04/09
APPR: GGA 2025/04/09

INITIAL REVISION:
DRWN: TLI97 2017/05/26
APPR: RZHANG 2017/08/01

THIRD ANGLE PROJECTION | DRAWING: A3-SIZE | SERIES: 204926

molex

SALES DRAWING FOR MICRO WATERPROOF USB

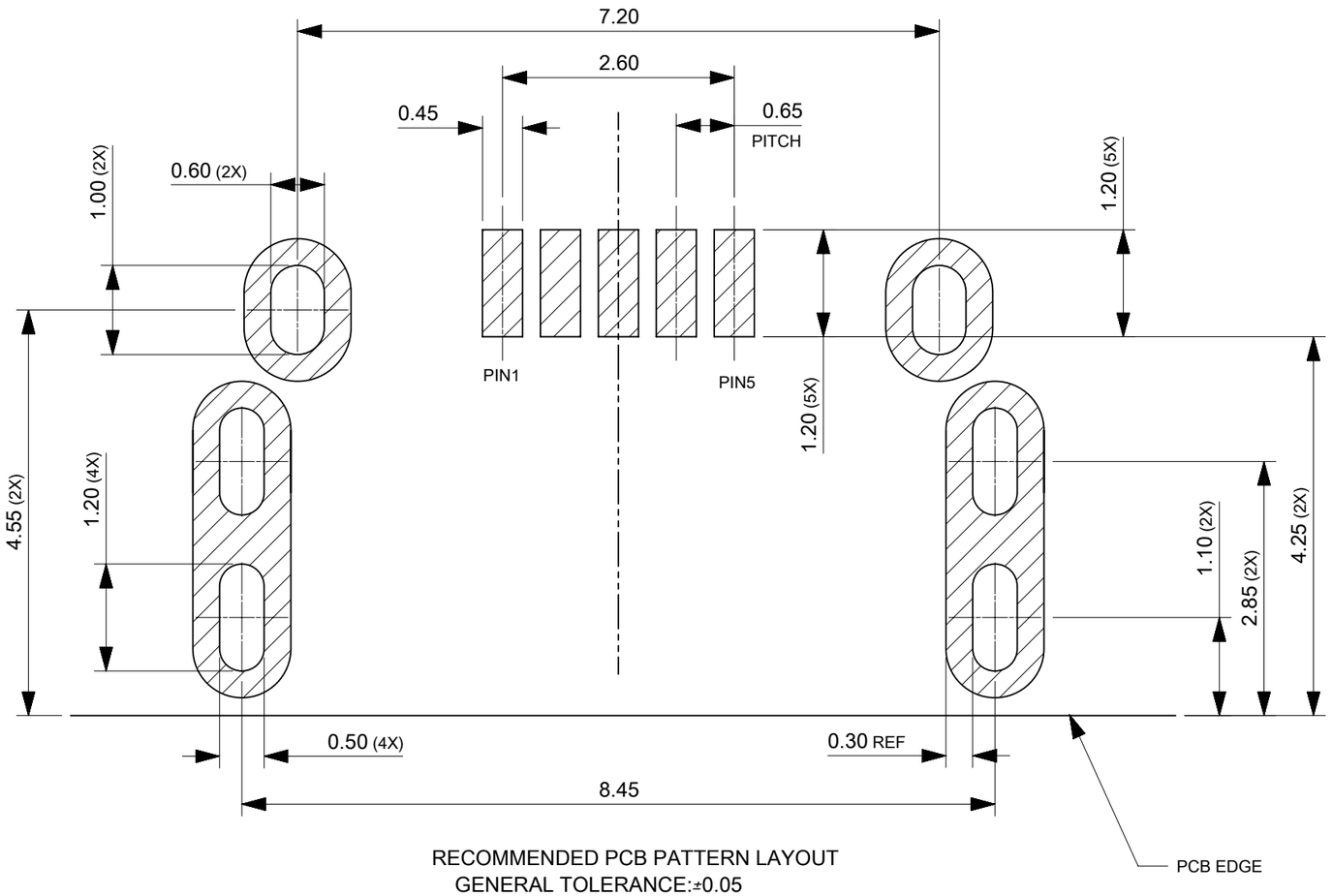
PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
2049261111	PSD	000	D1

MATERIAL NUMBER: SEE TABLE | CUSTOMER | SHEET NUMBER: 1 OF 2

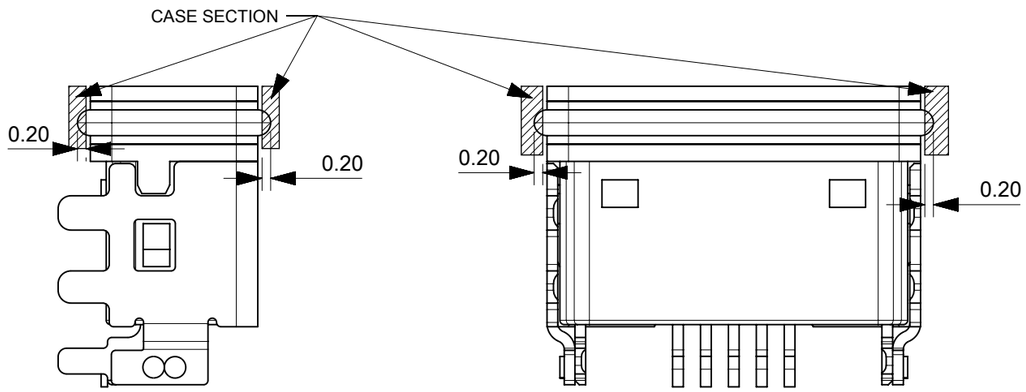
DOCUMENT STATUS	P1	RELEASE DATE	2025/04/09 12:34:44

FORMAT: Mel-lega-master-tb-prod-A3
REVISION: E1
DATE: 2021/05/01

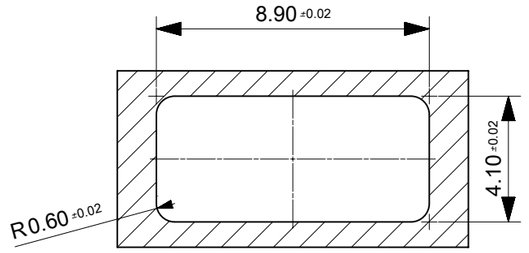


RECOMMENDED PCB PATTERN LAYOUT
GENERAL TOLERANCE:±0.05

NOTES:
1.MATERIAL:
HOUSING:HIGH TEMPERATURE NYLON,BLACK,UL94V-0;
TERMINAL:COPPER ALLOY,THICKNESS :0.15mm;
SHELL:STAINLESS STEEL,THICKNESS:0.25mm;
METAL TAB:STAINLESS STEEL,THICKNESS:0.25mm;
SEALING RING:SILICON RUBBER.
2.PLATING:
TERMINAL:CONTACT AREA:GOLD FLASH OVER MINIMUM 0.75MICRON Pd/Ni;
SOLDER TAIL AREA:GOLD FLASH;UNDER PLATING:NICKEL 2.0MICRON MINIMUM.
SHELL/METAL TAB:1.27MICRON MINIMUM SOLDERABLE NICKEL PLATING OVERALL.
3.TAIL COPLANARITY 0.08mm MAXIMUM.
4.PRODUCT SPECIFICATION:2049260001.
5.PACKAGE SPECIFICATION:2049263333.
6.PRODUCT MEET IP67 TEST REQUEST.
7.COMPLIANT TO ROHS DIRECTIVE 2011/65/EU AND ELV 2000/53/EC.



WATERPROOF APPLICATION:
CUSTOMER'S CASE NEED TO COMPRESS THE SEALING RING
0.20mm AROUND TO ACHIEVE THE IPX7.



RECOMMENDED OPENING DIMENSIONS OF CASE
MATING AREA WITH SEALING RING

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

DIMENSION UNITS: mm	SCALE: 1:1	CURRENT REV DESC: REMOVED OBSOLETED PART NUMBERS AS PER PCN#515023	molex
GENERAL TOLERANCES (UNLESS SPECIFIED)	MM / INCH	EC NO: 815022	SALES DRAWING FOR MICRO WATERPROOF USB
4 PLACES	± / ±	DRWN: MADHAM5 2025/03/07	
3 PLACES	± / ±	CHK'D: GGA 2025/04/09	PRODUCT CUSTOMER DRAWING
2 PLACES	± 0.15 / ±	APPR: GGA 2025/04/09	
1 PLACE	± 0.25 / ±	INITIAL REVISION:	DOCUMENT NUMBER: 2049261111 / DOC TYPE: PSD / DOC PART: 000 / REVISION: D1
0 PLACES	± / ±	DRWN: TLI97 2017/05/26	
ANGULAR TOL	± 3.0 °	APPR: RZHANG 2017/08/01	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION / DRAWING: A3-SIZE / SERIES: 204926	MATERIAL NUMBER: SEE TABLE / CUSTOMER / SHEET NUMBER: 2 OF 2

DOCUMENT STATUS	P1	RELEASE DATE	2025/04/09 12:34:44

FORMAT: Met-lega-master-tb-prod-A3
REVISION: E1
DATE: 2021/05/01