

A

B

C

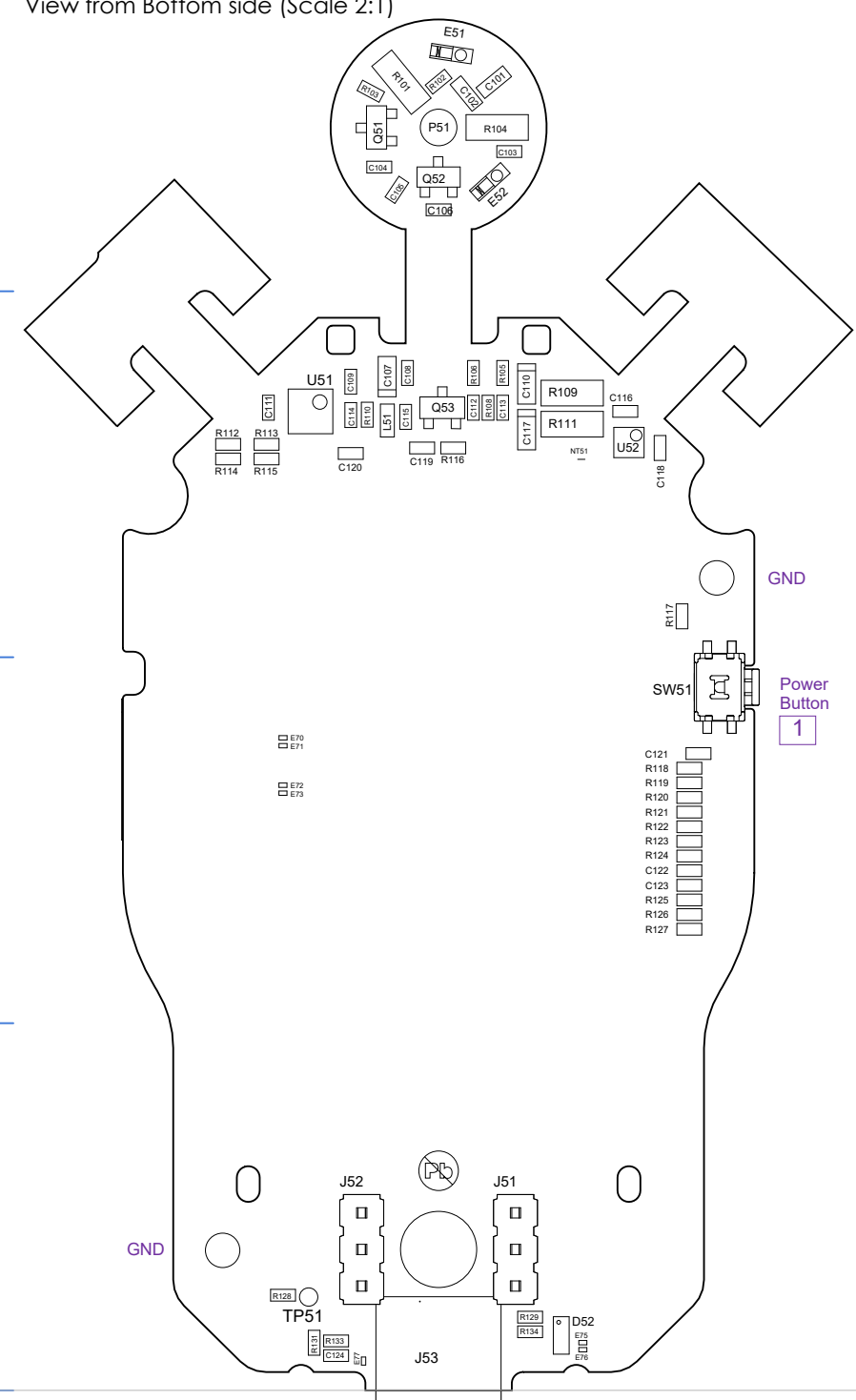
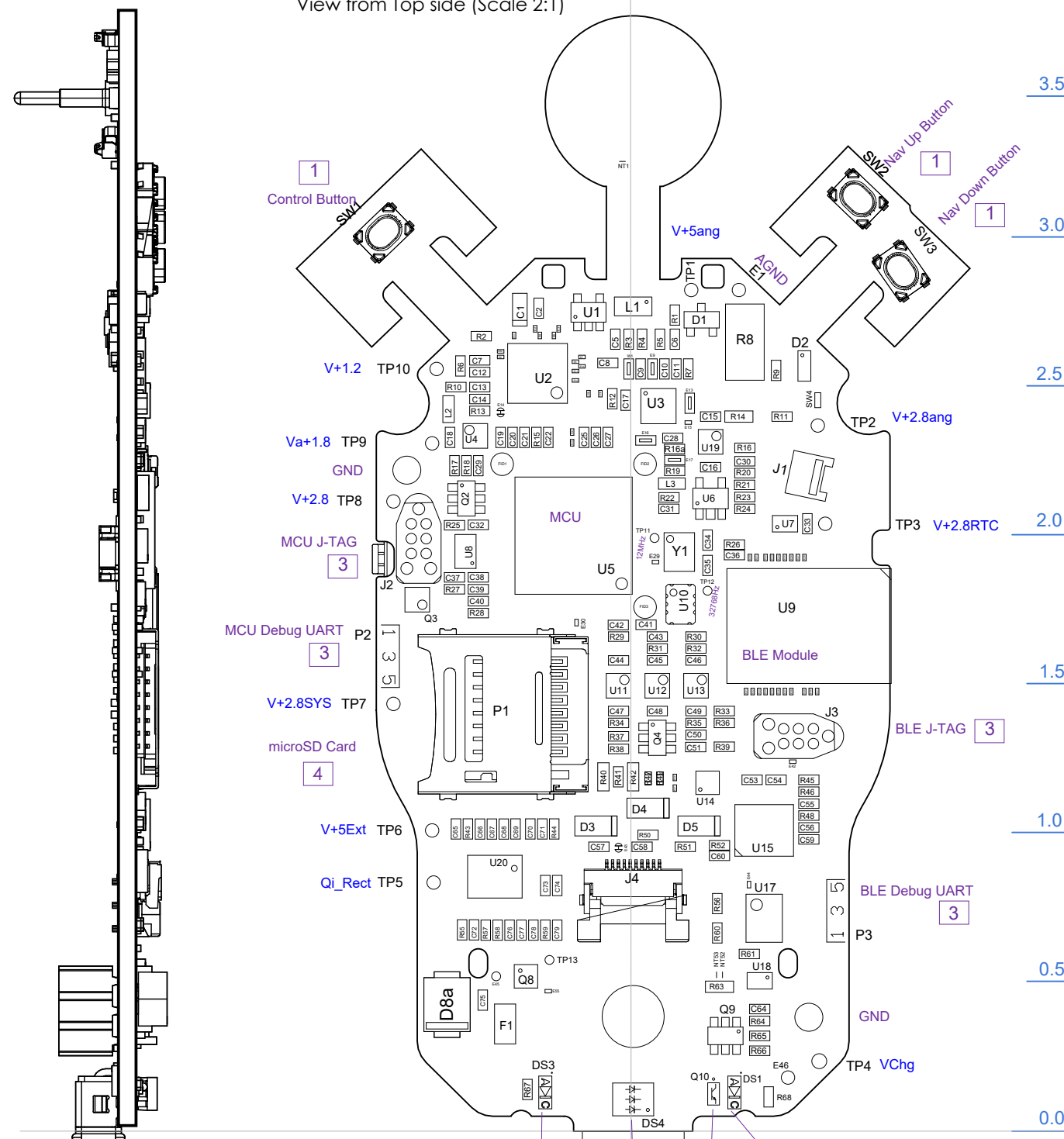
D

View from Top side (Scale 2:1)

View from Bottom side (Scale 2:1)

Revision Record:

Rev	ECO	Date	Description
A	4758	03 Dec 2018	Initial Release
B	4791	18 Mar 2019	SW1, SW2 & SW3 are 5870.0020 Bottom stencil did not change.
B1	4824	02 May 2019	R14 changed to 1 Ohm
C	4964	20 Mar 2020	I.S. Version. Added U19 LDO for LCD light. Added R50a pull-up. Added Zener protections and proper wattage resistors for I.S. version. Changed U10 to TCXO from MEMs. Changed Q8 to DFN, was BGA.
D	4977	11 Jun 2020	Placed R16a on the board.

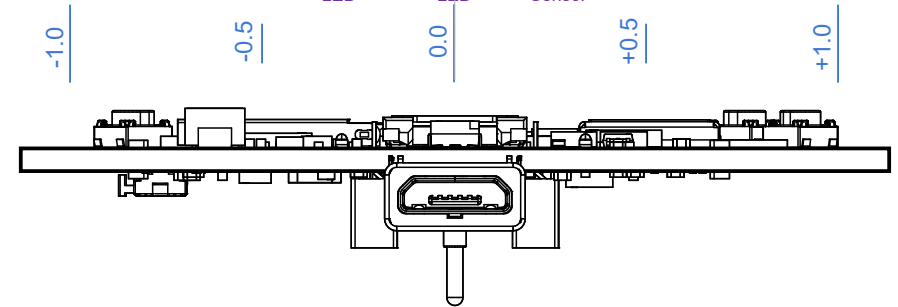


Notes:

- HAND-LOAD SWITCHES (SW1, SW2, SW3, & SW51) POST REFLOW SOLDER AND CLEANING, NO SOLVENT CLEANING
- DO NOT GET FLUX CONTAMINANT INTO SWITCHES OR CONNECTORS
- NO PART INSTALLED FOR J2, J3, P2, P3. "DNP" VARIANT PARTS ARE NOT SHOWN AND ARE NOT ON BOM.
- LOAD 3045.0116 microSD CARD IN SOCKET P1
- USE SAC305 SOLDER, ASSEMBLED BOARD TO BE RoHS COMPLIANT
- Top Stencil: T730.0101-IS Rev. D
Bottom Stencil: T730.0102-IS Rev. C

INTRINSIC SAFE NOTICE:

This is a Related Drawing, relating to the Scheduled Drawing "A730.12-ASM-IS-SD", which has been approved by a notifying body for the purpose of being used in an explosive environment. Do not revise this drawing without first having it reviewed by Engineering and the ISP Manager. Any changes to this drawing could result in an unsafe condition.



FINISHED ASSEMBLY TO BE RoHS COMPLIANT



Title		Dosimeter Main Board	
Item	A730.01-IS	Desc.	Spartan 730 — Assembly Drawing
Size	B	PCB Designer	Alan Rasmussen
Created	10 Jan 2018	Engineer	Alan Rasmussen
Revised	11 Jun 2020	Rev.	D
		Sheet	1 / 1

THIS DOCUMENT IS PROVIDED IN PDF FORM IN ORDER VIEW FINE DETAILS THAT MAY NOT BE VISIBLE IN PRINTED FORM, ZOOM IN TO VIEW

A

B

C

D