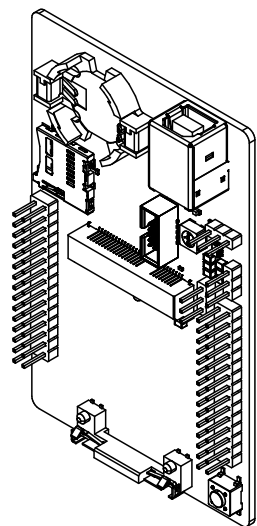
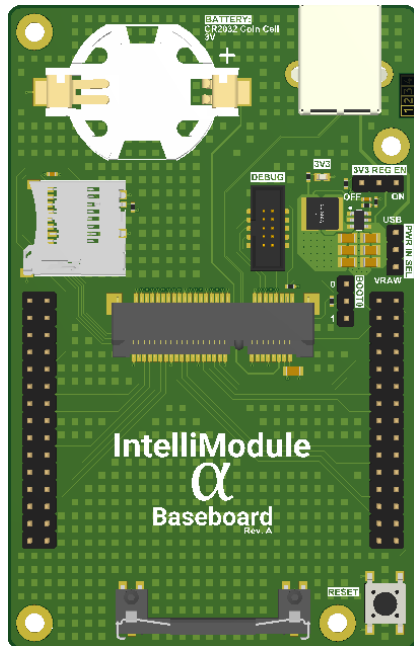


Realistic View



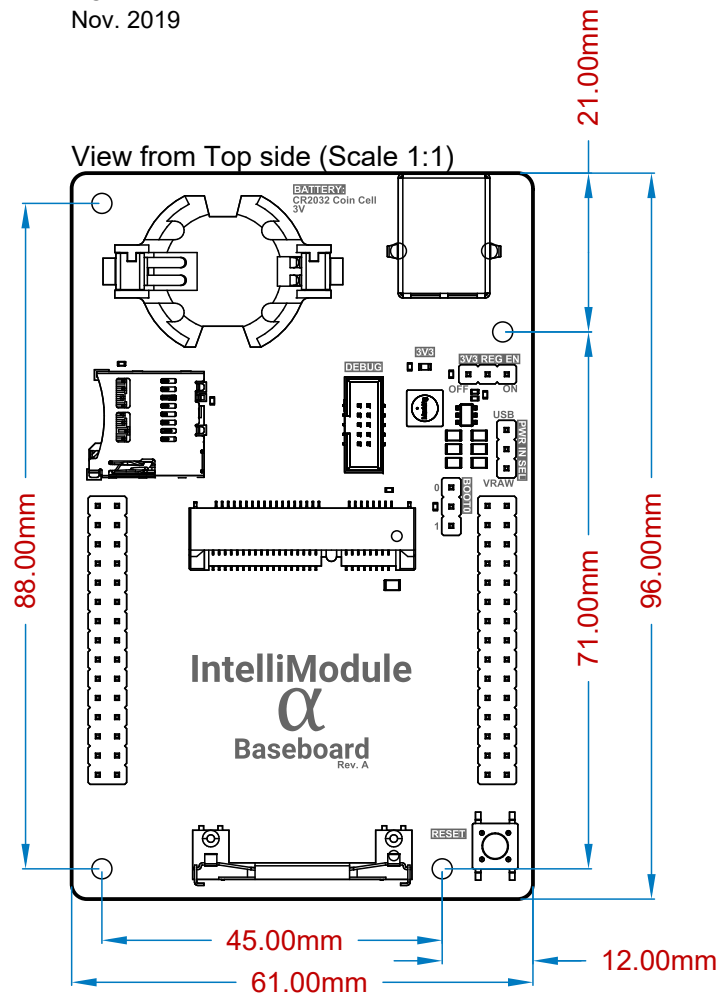
IntelliModule Alpha Baseboard

Technical Documentation and Assembly Drawings

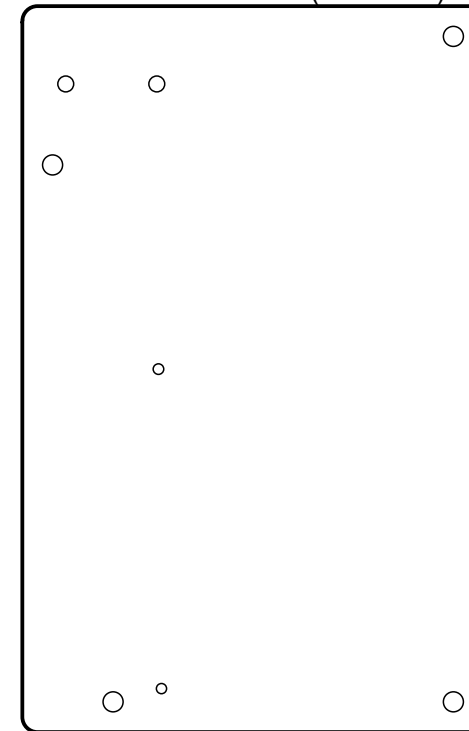
PCB Revision A

Nov. 2019

View from Top side (Scale 1:1)



View from Bottom side (Scale 1:1)



IntelliModule-Alpha Baseboard
Technical Documentation and Assembly
Drawings

Date: 08.11.2019

Time: 19:39

Document Scale / Size: 1:1 / A4

Revision:

Units: Millimeters

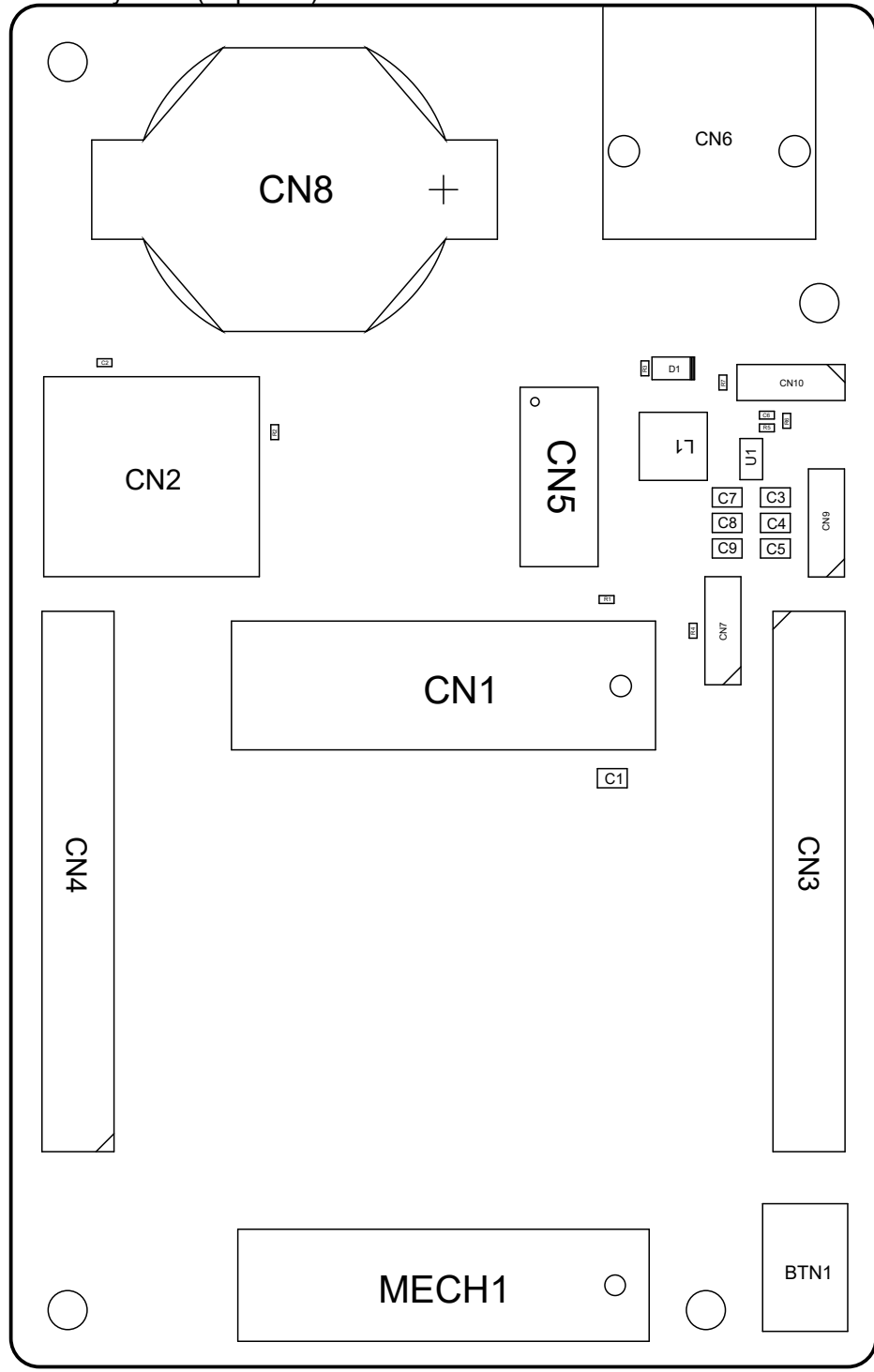
Sheet 1 of 3

PCB-File: IntelliModule-Alpha-Baseboard.PcbDoc



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Assembly View (Top Side)



Bill Of Materials

Designator	Internal Part Number	Comment	Quantity
BTN1	BTN000006	PTS645SL50SMTR92LFS	1
C1, C3, C4, C5, C7, C8, C9	CCER000039	10uF 10V	7
C2	CCER000002	100nF 16V	1
C6	CCER000013	22pF 50V	1
CN1	CON000010	1775838-2	1
CN2	CON000011	47352-1001	1
CN3, CN4	CON000001	PRPC015DAAN-RC	2
CN5	CON000024	3220-10-0300-00	1
CN6	CON000007	UJ2-BH-1-TH	1
CN7, CN9, CN10	CON000025	PRPC003SAAN-RC	3
CN8	CON000026	BU2032SM-JJ-GTR	1
D1	LED000005	150060VS75000	1
L1	L000009	7440430022	1
MECH1	MISC000005	MM60-EZH059-B5-R650	1
MH1, MH2, MH3, MH4		2.85mm PTH	4
R1, R2, R4, R7	R000016	10kR 1%	4
R3	R000043	240R 1%	1
R5	R000020	RC0402FR-07270KL	1
R6	R000021	RC0402FR-0760K4L	1
U1	IC000028	AP3419KTTR-G1	1

Layer Stack Legend

Material	Layer	Thickness	Dielectric Material	Type	Gerber
	Top Overlay			Legend	GTO
Surface Material	Top Solder	0.01mm	Solder Resist	Solder Mask	GTS
Nickel, Gold	Top Copper Plating	0.02mm		Copper Plating	
Copper	Top Layer	0.04mm		Signal	GTL
Prepreg		0.10mm	2313-Prepreg	Dielectric	
CF-004	Layer 1	0.02mm		Signal	G1
		1.26mm	FR-4	Dielectric	
CF-004	Layer 2	0.02mm		Signal	G2
Prepreg		0.10mm	2313-Prepreg	Dielectric	
Copper	Bottom Layer	0.04mm		Signal	GBL
Nickel, Gold	Bottom Copper Plating	0.02mm		Copper Plating	
Surface Material	Bottom Solder	0.01mm	Solder Resist	Solder Mask	GBS
	Bottom Overlay			Legend	GBO
Total thickness: 1.63mm					