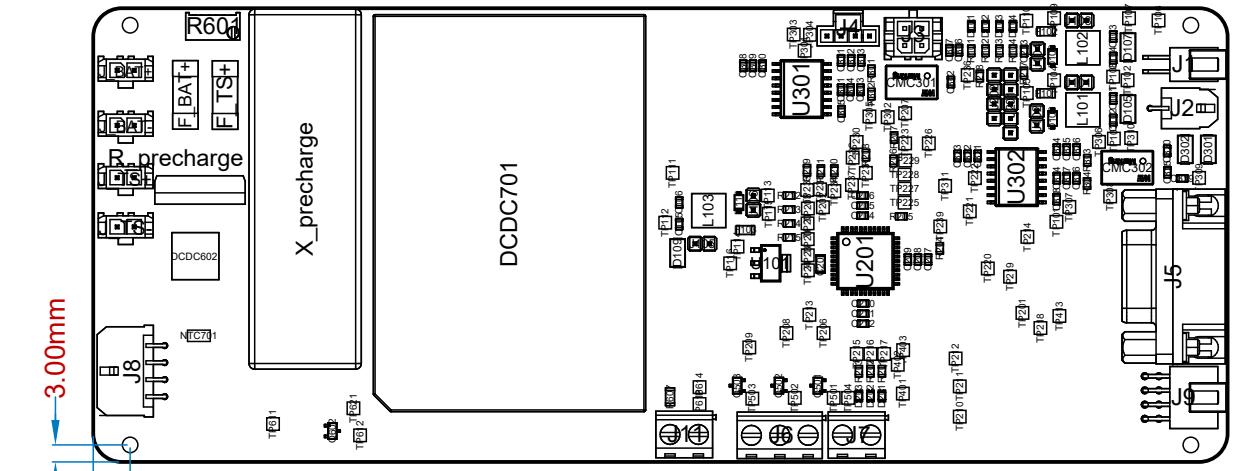
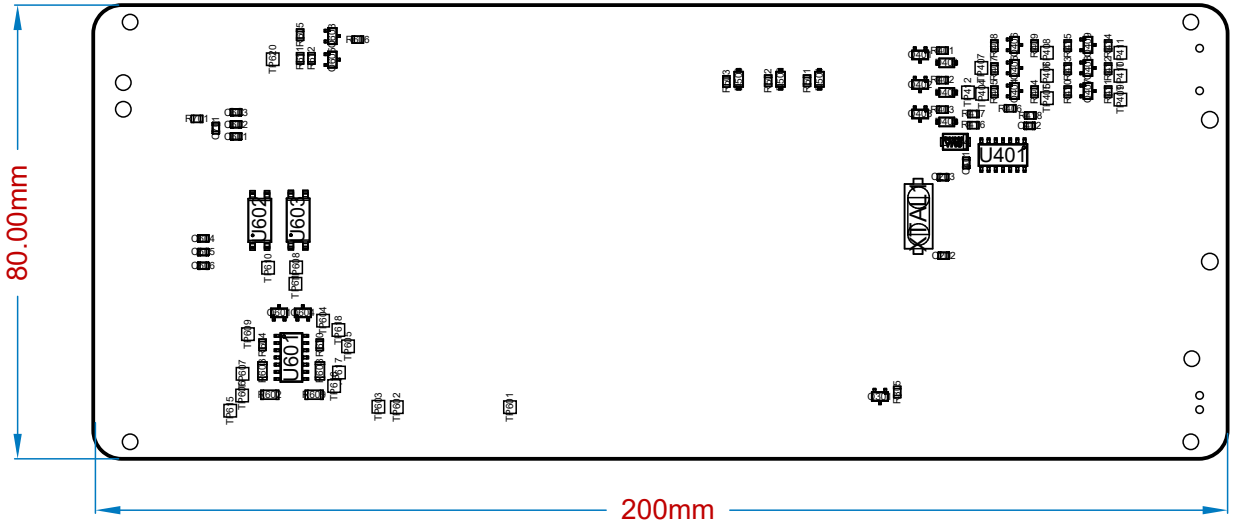
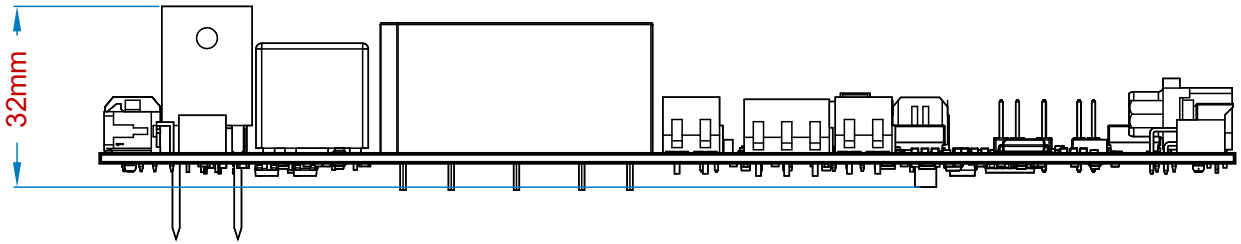
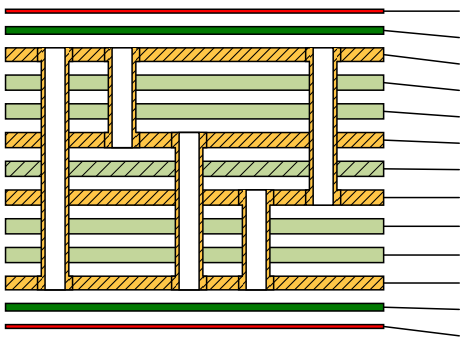






Designator	Name	Quantity
C101, C102, C103, C104, C105, C106	885012107014	6
C201	885012208018	1
C202, C203, C402	885012007052	3
C204, C207, C210, C310, C311, C323, C324, C601, C604	885012207103	9
C205, C208, C211, C309, C312, C322, C325, C401, C602, C605, C701	885012207098	11
C206, C209, C212, C213, C301, C302, C303, C304, C305, C306, C307, C308, C313, C314, C315, C316, C317, C318, C319, C320, C321, C326, C603, C606	885012207092	24
CMC301, CMC302	744226	2
D101, D102, D103, D104	150080VS75000	4
D105, D109, D301, D302	824501600	4
D106, D108, D110, D401, D402, D403, D501, D502, D503	MBR0530	9
D107	824501131	1
D201, D202	150080BS75000	2
D203	150080RS75000	1
D404	BZG05C6V2-E3-TR	1
DCDC602	RNM-0505S/P	1
DCDC701	AE5-EW-S5	1
F101, F102, F103	0437001.WRA	3
F_BAT+, F_TS+	485001	2
J1	1053141104	1
J2	430450200	1
J3	430450412	1
J4	1053092104	1
J5	J_DB9	1
J6	282836-3	1
J7, J11	282836-2	2
J8	0430450800	1
J9	105314-1108	1
J101, J102, J103, J104, J105, J106	61300211121	6
J201	61300511121	1
J202	61300411121	1
J_BAT-, J_BAT+, J_TS-, J_TS+	436500215	4
L101, L102, L103	CDC5D23BNP-470KC	3
NTC701	NXRT15XV103FA1B040	1
Q301, Q401, Q402, Q403, Q404, Q405, Q406, Q407, Q408, Q409, Q501, Q502, Q503, Q601, Q602, Q603, Q604, Q605	CPH3455-TL-H	18
R101, R405, R612	CR0805-JW-102ELF	3
R102, R103, R104, R201, R202, R203	CR0805-FX-4700GLF	6
R204, R205, R206, R207, R208, R209, R210, R211, R212, R213, R214, R215, R218, R305, R401, R402, R403, R404, R406, R407, R408, R409, R410, R411, R412, R413, R414, R415, R416, R417, R418, R501, R502, R503, R604, R605, R606, R610, R611, R701	CR0805-JW-103ELF	40
R217	CR0805-FX-1000ELF	1
R301, R302, R303, R304	R60-0805FTN	4
R601	3296Y-1-102LF	1
R602, R608	HVC1206-2M0FT3	2
R603, R609	CRCW120610K0FKEA	2
R607	CRG1206F150R	1
R_precharge	R470-TO247	1
U101	LM1117IMP-3.3/NOPB	1
U201	dsPIC33EP256GM604-I/PT	1
U301, U302	ISO1050DW	2
U401, U601	LM339D	2
U602, U603	Optocoupler_TCLT1000	2
X_precharge	Relay_G81C	1
XTAL1	830028710	1



Material	Layer	Thickness
	Top Overlay	
Surface Material	Top Solder	0.010mm
Copper	**Top Layer**	**0.018mm**
Prepreg		*0.100mm*
Prepreg		*0.100mm*
CF-004	**PWR**	**0.035mm**
		1.050mm
CF-004	**GND**	**0.035mm**
Prepreg		*0.100mm*
Prepreg		*0.100mm*
Copper	**Bottom Layer**	**0.018mm**
Surface Material	Bottom Solder	0.010mm
	Bottom Overlay	

Total thickness: 1.576mm