		Name	Duration	Start	Finish
1	🔲	Generate schematic pdf from Outjob window	**41 days?**	**10/26/23 8:00 AM**	**12/21/23 5:00 PM**
2		**Create Test Plan doc**	**0 days?**	**10/26/23 8:00 AM**	**10/26/23 8:00 AM**
3		Read wiki PCB Tool Ch01	0 days?	10/26/23 8:00 AM	10/26/23 8:00 AM
4	🔲	Create new board repo, Test Plan folder	0 days?	10/26/23 8:00 AM	10/26/23 8:00 AM
5	🔲	Designate Chief & First Mate for board	0 days?	10/26/23 8:00 AM	10/26/23 8:00 AM
6		Create Altium schematic symbol for chip	0 days?	10/26/23 8:00 AM	10/26/23 8:00 AM
7		Paste chip/pkg schematic symbol into Test Plan doc	0 days?	10/26/23 8:00 AM	10/26/23 8:00 AM
8	🔲	Make decisions about #boards to fab/stuff	0 days?	10/26/23 8:00 AM	10/26/23 8:00 AM
9	🔲	**Create Altium schematic for test board**	**2 days?**	**10/26/23 8:00 AM**	**10/27/23 5:00 PM**
10		Make decisions on connector part numbers	0 days	10/26/23 8:00 AM	10/26/23 8:00 AM
11		Make decisions on reset switches, voltage domains	0 days	10/26/23 8:00 AM	10/26/23 8:00 AM
12		Add part records to PartSync if new parts	0 days	10/26/23 8:00 AM	10/26/23 8:00 AM
13		Create new Altium pcb project	0 days	10/26/23 8:00 AM	10/26/23 8:00 AM
14		Set Altium hierarchical project options	0 days	10/26/23 8:00 AM	10/26/23 8:00 AM
15		Make power domains global variables	1 day?	10/26/23 8:00 AM	10/26/23 5:00 PM
16		Put sheet symbols on top-level schematic	0 days	10/26/23 5:00 PM	10/26/23 5:00 PM
17		Place schematic symbols f/BWRC.SchLib not web	0 days	10/26/23 5:00 PM	10/26/23 5:00 PM
18		Add manufacturer's part number to all ICs, conns	0 days?	10/26/23 5:00 PM	10/26/23 5:00 PM
19		Check Altium project's Parameter Manager	1 day	10/27/23 8:00 AM	10/27/23 5:00 PM
20		Wire up schematic	0 days	10/27/23 5:00 PM	10/27/23 5:00 PM
21	🔲	Re-set reference designators and re-annotate	0 days	10/27/23 5:00 PM	10/27/23 5:00 PM
22		Compile Altium project, check erro Messages	0 days	10/27/23 5:00 PM	10/27/23 5:00 PM
23	🔲	Fill in title block for each schematic sheet	0 days	10/27/23 5:00 PM	10/27/23 5:00 PM
24	🔲	**Create Altium output files for hand-off**	**1 day?**	**10/27/23 5:00 PM**	**10/30/23 5:00 PM**
25		Read wiki PCB Tool Ch10d first half	1 day	10/30/23 8:00 AM	10/30/23 5:00 PM
26		Add Outjob file to Altium pcb project	0 days	10/27/23 5:00 PM	10/27/23 5:00 PM
27		Generate pick-and-place file from Outjob window	1 day?	10/30/23 8:00 AM	10/30/23 5:00 PM
28		Generate schematic pdf from Outjob window	0 days	10/30/23 5:00 PM	10/30/23 5:00 PM
29		Create folder in board repo for Schematics_pdf	0 days	10/30/23 5:00 PM	10/30/23 5:00 PM
30		Store latest pdf of schematics there with date/time	0 days	10/30/23 5:00 PM	10/30/23 5:00 PM
31	🔲	**Create Bill of Materials in BOM Builder**	**1 day?**	**10/27/23 5:00 PM**	**10/30/23 5:00 PM**
32		Read wiki Ch10d second half	1 day?	10/30/23 8:00 AM	10/30/23 5:00 PM
33		Configure BOM Builder options	0 days	10/27/23 5:00 PM	10/27/23 5:00 PM
34		Configure RefDesMapping file for BOM Builder	0 days	10/27/23 5:00 PM	10/27/23 5:00 PM

Predecessors	Resource Names	22 Oct 23	29 Oct 23	5 Nov 23	12 Nov 23	19 Nov 23	26 Nov 23	3 Dec 23
		10/26						
3		10/26						
4		10/26						
5		10/26						
6		10/26						
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Test Board Design - page2

		Name	Duration	Start	Finish
35		Configure inpul list processor .dll for importing parts	0 days	10/27/23 5:00 PM	10/27/23 5:00 PM
36		Import Pick-and-Place file into BOM Builder	0 days	10/27/23 5:00 PM	10/27/23 5:00 PM
37		Match each line item to real PartSync part	1 day?	10/30/23 8:00 AM	10/30/23 5:00 PM
38		Create Job directory on G: shared drive for .bmb	0 days	10/30/23 5:00 PM	10/30/23 5:00 PM
39		Save .bmb file to Job directory	0 days	10/30/23 5:00 PM	10/30/23 5:00 PM
40		**Add Bill of Materials to PartSync**	**1 day?**	**10/30/23 5:00 PM**	**10/31/23 5:00 PM**
41		Read wiki Ch10e	1 day?	10/31/23 8:00 AM	10/31/23 5:00 PM
42		Import .bmb into PartSync as part list record	0 days	10/30/23 5:00 PM	10/30/23 5:00 PM
43		Create purchase lilst for build of desired number + spares	1 day?	10/31/23 8:00 AM	10/31/23 5:00 PM
44		Create folder in repo Files_for_AssemblyHouse	0 days	10/31/23 5:00 PM	10/31/23 5:00 PM
45		Save purchase list pdf to Files_for_AssemblyHouse	0 days	10/31/23 5:00 PM	10/31/23 5:00 PM
46		**Check schematics & parts**	**2 days**	**11/1/23 8:00 AM**	**11/2/23 5:00 PM**
47		Check schematic pdfs, parts list and fix errors	1 day	11/1/23 8:00 AM	11/1/23 5:00 PM
48		Iterate and communicate amongst designers	1 day	11/2/23 8:00 AM	11/2/23 5:00 PM
49		**Update personal Gantt chart**	**1 day?**	**11/3/23 8:00 AM**	**11/3/23 5:00 PM**
50		Estimate timelines for post Test Plan Review design changes	1 day?	11/3/23 8:00 AM	11/3/23 5:00 PM
51		Estimate timelines for ordering parts and/or pastemask stencils	1 day?	11/3/23 8:00 AM	11/3/23 5:00 PM
52		Estimate timelines for layout tasks post Test Plan Review	1 day?	11/3/23 8:00 AM	11/3/23 5:00 PM
53		Estimate timeline for checking layout for correctness	1 day?	11/3/23 8:00 AM	11/3/23 5:00 PM
54		Estimate timelines for comms with vendors	1 day?	11/3/23 8:00 AM	11/3/23 5:00 PM
55		Estimate timelines for BearBuy orders to vendors	1 day?	11/3/23 8:00 AM	11/3/23 5:00 PM
56		Estimate timelines for vendor manufacturing & shipping	1 day?	11/3/23 8:00 AM	11/3/23 5:00 PM
57		Add all steps for testing procedures	1 day?	11/3/23 8:00 AM	11/3/23 5:00 PM
58		**Designers Review**	**1 day?**	**11/3/23 8:00 AM**	**11/3/23 5:00 PM**
59		Chief and First mate and any other designers of the test board meet	1 day?	11/3/23 8:00 AM	11/3/23 5:00 PM
60		Compare each others Gantt charts and estimates	1 day?	11/3/23 8:00 AM	11/3/23 5:00 PM
61		Review schematics, test plan and final parts list together	1 day?	11/3/23 8:00 AM	11/3/23 5:00 PM
62		Correct any errors, make changes to hand-off docs	1 day?	11/3/23 8:00 AM	11/3/23 5:00 PM
63		Store corrected hand-off docs to git	1 day?	11/3/23 8:00 AM	11/3/23 5:00 PM
64		**Test Plan Review**	**2 days?**	**11/6/23 8:00 AM**	**11/7/23 5:00 PM**
65		Invite 2 outside students	1 day?	11/6/23 8:00 AM	11/6/23 5:00 PM
66		Send them schematics, parts list, Gantt chart & Test Plan doc 2 days ...	0 days	11/6/23 5:00 PM	11/6/23 5:00 PM
67		Meet in person or zoom, walk through test plan & these docs	1 day?	11/7/23 8:00 AM	11/7/23 5:00 PM
68		**Post Test Plan Review updates**	**1 day?**	**11/7/23 5:00 PM**	**11/8/23 5:00 PM**

Predecessors	Resource Names
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		Name	Duration	Start	Finish
69		Update schematics, parts list, Gantt chart and Test Plan	1 day?	11/8/23 8:00 AM	11/8/23 5:00 PM
70		Add reviewer names & review date to Test Plan doc	0 days	11/7/23 5:00 PM	11/7/23 5:00 PM
71		Create final set of hand-off documents (for advisor, layout person)	0 days	11/8/23 5:00 PM	11/8/23 5:00 PM
72		**Email advisor to notify re hand-off to layout person**	**1 day?**	**11/9/23 8:00 AM**	**11/9/23 5:00 PM**
73		Send email to your advisor	1 day?	11/9/23 8:00 AM	11/9/23 5:00 PM
74		Attach Test Plan doc	1 day?	11/9/23 8:00 AM	11/9/23 5:00 PM
75		Attach pdf of schematics	1 day?	11/9/23 8:00 AM	11/9/23 5:00 PM
76		Attach pdf of Gantt chart	1 day?	11/9/23 8:00 AM	11/9/23 5:00 PM
77		Attach pdf of purchasing list	1 day?	11/9/23 8:00 AM	11/9/23 5:00 PM
78		Don't expect your advisor to read these.	1 day?	11/9/23 8:00 AM	11/9/23 5:00 PM
79		Simply ensure that he/she understands this is the time of handoff	1 day?	11/9/23 8:00 AM	11/9/23 5:00 PM
80		**Email layout person to notify about hand-off to layout**	**1 day?**	**11/9/23 8:00 AM**	**11/9/23 5:00 PM**
81		List in email where hand-off docs are (git etc.)	1 day?	11/9/23 8:00 AM	11/9/23 5:00 PM
82		**Chief student orders parts**	**3 days?**	**11/9/23 8:00 AM**	**11/13/23 5:00 PM**
83		If some boards will assembled in house, assembly house should not or..	1 day?	11/9/23 8:00 AM	11/9/23 5:00 PM
84		Parts should be ordered through BearBuy and shipped to BWRC	1 day?	11/10/23 8:00 AM	11/10/23 5:00 PM
85		Parts should be ordered early enough, checked for in stock	1 day?	11/9/23 8:00 AM	11/9/23 5:00 PM
86		Purchase list should be generated from PartSync part record	1 day?	11/9/23 8:00 AM	11/9/23 5:00 PM
87		Ensure that any non-board parts are added to part list, if needed (ca...	1 day?	11/9/23 8:00 AM	11/9/23 5:00 PM
88		Notify advisor of total cost	1 day?	11/10/23 8:00 AM	11/10/23 5:00 PM
89		Get advisor to tell Candy/Mikaela what chartstring to use	1 day?	11/13/23 8:00 AM	11/13/23 5:00 PM
90		Submit BearBuy requisition, mark as urgent, note shipping type	1 day?	11/13/23 8:00 AM	11/13/23 5:00 PM
91		Mouser can ship 2nd day, but Digikey screws up and ships ground	1 day?	11/13/23 8:00 AM	11/13/23 5:00 PM
92		Assign cart to Candy/Mikaela and talk to them personally to alert them	1 day?	11/13/23 8:00 AM	11/13/23 5:00 PM
93		After Candy/Mikaela push requisition, check your BearBuy for PO gene...	1 day?	11/13/23 8:00 AM	11/13/23 5:00 PM
94		**Layout person kickoff**	**1 day?**	**11/9/23 8:00 AM**	**11/9/23 5:00 PM**
95		Layout person checks Test Plan for completeness	1 day?	11/9/23 8:00 AM	11/9/23 5:00 PM
96		Notify designers of schematic errors, missing info. Iterate.	1 day?	11/9/23 8:00 AM	11/9/23 5:00 PM
97		Request prelimary stackup from board house	1 day?	11/9/23 8:00 AM	11/9/23 5:00 PM
98		**Rough out board size**	**8 days?**	**11/10/23 8:00 AM**	**11/21/23 5:00 PM**
99		Get footprint names from PartSync	1 day?	11/10/23 8:00 AM	11/10/23 5:00 PM
100		Add footprint names to schematic sheets	1 day?	11/13/23 8:00 AM	11/13/23 5:00 PM
101		Compile schematic and push to PCB side	1 day?	11/14/23 8:00 AM	11/14/23 5:00 PM
102		Place connectors and large components roughly	1 day?	11/15/23 8:00 AM	11/15/23 5:00 PM

Predecessors	Resource Names
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		Name	Duration	Start	Finish
103		Learn SolidWorks basics	1 day?	11/16/23 8:00 AM	11/16/23 5:00 PM
104		Read wiki PCB Tool Ch08, overview & SMA spacing	1 day?	11/17/23 8:00 AM	11/17/23 5:00 PM
105		Look at panel in SolidWorks and determine # per panel	1 day?	11/20/23 8:00 AM	11/20/23 5:00 PM
106		Update Test Plan doc with screenshots of board & panel	1 day?	11/21/23 8:00 AM	11/21/23 5:00 PM
107		**Board layout**	**7 days?**	**11/10/23 8:00 AM**	**11/20/23 5:00 PM**
108		Add/create package models in PackEdit	7 days	11/10/23 8:00 AM	11/20/23 5:00 PM
109		Add/edit footprints to BWRC.PcbLib and/or schematics	1 day	11/10/23 8:00 AM	11/10/23 5:00 PM
110		Order a few parts if necessary to check parts to 1:1 printed footprints	1 day	11/10/23 8:00 AM	11/10/23 5:00 PM
111		Create board outline	1 day	11/10/23 8:00 AM	11/10/23 5:00 PM
112		Create board statckup as all signal layers	1 day	11/10/23 8:00 AM	11/10/23 5:00 PM
113		Create edge keepouts for polygon pours for pwd, gnd layers	1 day	11/10/23 8:00 AM	11/10/23 5:00 PM
114		Modify placement of parts	1 day	11/10/23 8:00 AM	11/10/23 5:00 PM
115		Create all DRC rules in Altium's rule editor	1 day	11/10/23 8:00 AM	11/10/23 5:00 PM
116		Set Altium project options for net colors, rooms, comparator	1 day	11/10/23 8:00 AM	11/10/23 5:00 PM
117		Update schematics with net names for every net	1 day	11/10/23 8:00 AM	11/10/23 5:00 PM
118		Update schematics with net classes for controlled impedance traces	1 day	11/10/23 8:00 AM	11/10/23 5:00 PM
119		Create mounting holes and keepouts for screw heads, standoffs	1 day	11/10/23 8:00 AM	11/10/23 5:00 PM
120		Create SolidWorks assembly of test setup	1 day	11/10/23 8:00 AM	11/10/23 5:00 PM
121		Set placement of board-to-board connectors	1 day?	11/10/23 8:00 AM	11/10/23 5:00 PM
122		Select mechanical parts & order from McMaster	1 day?	11/10/23 8:00 AM	11/10/23 5:00 PM
123		Buy new parts not previously used to check footprints	1 day?	11/10/23 8:00 AM	11/10/23 5:00 PM
124		Check vacation schedule for anyone in Bear Buy approval path	1 day?	11/10/23 8:00 AM	11/10/23 5:00 PM
125		Check with Purchasing if Digikey 2nd day is still screwed up	1 day?	11/10/23 8:00 AM	11/10/23 5:00 PM
126		Double-check all bypass caps and polarized caps	1 day?	11/10/23 8:00 AM	11/10/23 5:00 PM
127		Determine if board can fit within Beam On jig for in-house assembly	1 day?	11/10/23 8:00 AM	11/10/23 5:00 PM
128		Add ficucials for assembly	1 day?	11/10/23 8:00 AM	11/10/23 5:00 PM
129		Add layer numbering test structure	1 day?	11/10/23 8:00 AM	11/10/23 5:00 PM
130		Check tented vs. untented vias	1 day?	11/10/23 8:00 AM	11/10/23 5:00 PM
131		Remove internal pads	1 day?	11/10/23 8:00 AM	11/10/23 5:00 PM
132		Set line width for controlled impedance traces	1 day?	11/10/23 8:00 AM	11/10/23 5:00 PM
133		Create fab drawing and add to Altium project	1 day?	11/10/23 8:00 AM	11/10/23 5:00 PM
134		Note controlled impedance trace widths in fab drawing	1 day?	11/10/23 8:00 AM	11/10/23 5:00 PM
135		Note mounted cross-sections on fab drawing	1 day?	11/10/23 8:00 AM	11/10/23 5:00 PM
136		Check fab drawing drill table for all hole tolerances	1 day?	11/10/23 8:00 AM	11/10/23 5:00 PM

Predecessors	Resource Names
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		Name	Duration	Start	Finish
137		Add free text to silkscreen layers	1 day?	11/10/23 8:00 AM	11/10/23 5:00 PM
138		Add BWRC logo, name, date and serial number block to silkscreen	1 day?	11/10/23 8:00 AM	11/10/23 5:00 PM
139		View bottom silkscreen from backside to check rotation of text	1 day?	11/10/23 8:00 AM	11/10/23 5:00 PM
140		Set up Outjob file for test point report, ODB, Gerbers, fab drawing	1 day?	11/10/23 8:00 AM	11/10/23 5:00 PM
141		Update the fab drawing with latest changes	1 day?	11/10/23 8:00 AM	11/10/23 5:00 PM
142		Check no stale via types are inadvertently added	1 day?	11/10/23 8:00 AM	11/10/23 5:00 PM
143		Add free ground vias for return currents crossing layers	1 day?	11/10/23 8:00 AM	11/10/23 5:00 PM
144		Create custom room on PCB side if needed. Adjust project options.	1 day?	11/10/23 8:00 AM	11/10/23 5:00 PM
145		Check necking and isolation settings in Polygon Manager	1 day?	11/10/23 8:00 AM	11/10/23 5:00 PM
146		Check thermal reliefs and via direct-connects	1 day?	11/10/23 8:00 AM	11/10/23 5:00 PM
147		In Rules editor, ensure all rules are enabled when DRC checking	1 day?	11/10/23 8:00 AM	11/10/23 5:00 PM
148		Set diff pair rules carefully	1 day?	11/10/23 8:00 AM	11/10/23 5:00 PM
149		Create polygon regions on pwer layers for voltage domains	1 day?	11/10/23 8:00 AM	11/10/23 5:00 PM
150		Layout out all traces after fanning out pwr, gnd	1 day?	11/10/23 8:00 AM	11/10/23 5:00 PM
151		**Create board output files**	**1 day?**	**11/21/23 8:00 AM**	**11/21/23 5:00 PM**
152		Generate Gerber files for BOM Builder checking	1 day?	11/21/23 8:00 AM	11/21/23 5:00 PM
153		Create folder in repo, Files_for_BoardHouse	1 day?	11/21/23 8:00 AM	11/21/23 5:00 PM
154		Generate ODB .zip file for board house	1 day?	11/21/23 8:00 AM	11/21/23 5:00 PM
155		Create pdf of fab drawing	1 day?	11/21/23 8:00 AM	11/21/23 5:00 PM
156		Create test point file for board house	1 day?	11/21/23 8:00 AM	11/21/23 5:00 PM
157		Save ODB, test pt repot, fab drawing to Files_for_BoardHouse	1 day?	11/21/23 8:00 AM	11/21/23 5:00 PM
158		**Check package models to footprints with BOM Builder**	**1 day?**	**11/22/23 8:00 AM**	**11/22/23 5:00 PM**
159		Use Outjob file to generate a new Pick-and-Place file after layout	1 day?	11/22/23 8:00 AM	11/22/23 5:00 PM
160		This generation of Pick-and-Place file now has XYRS layout info	1 day?	11/22/23 8:00 AM	11/22/23 5:00 PM
161		Import XYRS info into BOM Builder	1 day?	11/22/23 8:00 AM	11/22/23 5:00 PM
162		Import Gerber files of layout into BOM Builder	1 day?	11/22/23 8:00 AM	11/22/23 5:00 PM
163		Check each line item entry while zooming in Assembly view	1 day?	11/22/23 8:00 AM	11/22/23 5:00 PM
164		Ensure packages all match to footprints	1 day?	11/22/23 8:00 AM	11/22/23 5:00 PM
165		Ensure traces all exit footprints orthogonally	1 day?	11/22/23 8:00 AM	11/22/23 5:00 PM
166		Save out Smart PDF from BOM Builder	1 day?	11/22/23 8:00 AM	11/22/23 5:00 PM
167		Save out Assembly BOM from BOM Builder	1 day?	11/22/23 8:00 AM	11/22/23 5:00 PM
168		In board repo, create Files_for_AssemblyHouse folder	1 day?	11/22/23 8:00 AM	11/22/23 5:00 PM
169		Prefix file names of Smart PDF and Assembly BOM with date	1 day?	11/22/23 8:00 AM	11/22/23 5:00 PM
170		Save both files to Files_for_AssemblyHouse folder	1 day?	11/22/23 8:00 AM	11/22/23 5:00 PM

Predecessors	Resource Names	22 Oct 23	29 Oct 23	5 Nov 23	12 Nov 23	19 Nov 23	26 Nov 23	3 Dec 23
		S S M T W T F	S S M T W T F	S S M T W T F	S S M T W T F	S S M T W T F	S S M T W T F	S S M T W T
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	⚓	Name	Duration	Start	Finish
171		Tell student designers to also do this check of package models to Ger...	1 day?	11/22/23 8:00 AM	11/22/23 5:00 PM
172		**Prepare Request For Quote (RFQ) to board house**	**1 day?**	**11/22/23 8:00 AM**	**11/22/23 5:00 PM**
173		Create RFQ sub-folder in Files_for_BoardHouse dir	1 day?	11/22/23 8:00 AM	11/22/23 5:00 PM
174		Check prev students' board repos for example RFQ pptx	1 day?	11/22/23 8:00 AM	11/22/23 5:00 PM
175		Make pptx file asking for what the quote should cover	1 day?	11/22/23 8:00 AM	11/22/23 5:00 PM
176		In pptx, ask for number of boards to be fabbed, dielectric mat & plati...	1 day?	11/22/23 8:00 AM	11/22/23 5:00 PM
177		In pptx, request quotes for both 5-day turn and 10-day turn	1 day?	11/22/23 8:00 AM	11/22/23 5:00 PM
178		In pptx, don't forget to ask for mounted cross-sections.	1 day?	11/22/23 8:00 AM	11/22/23 5:00 PM
179		Add dated ODB .zip file to this sub-folder	1 day?	11/22/23 8:00 AM	11/22/23 5:00 PM
180		Add preliminary stackup, fab drwg pdf, test point report, to this sub-f...	1 day?	11/22/23 8:00 AM	11/22/23 5:00 PM
181		Ensure to ask for specials: controlled impedance traces, vias in pads	1 day?	11/22/23 8:00 AM	11/22/23 5:00 PM
182		**Organize & log communications with vendors**	**1 day?**	**11/23/23 8:00 AM**	**11/23/23 5:00 PM**
183		Create communications_to_vendors txt file	1 day?	11/23/23 8:00 AM	11/23/23 5:00 PM
184		Look in prev students' repos' Test Plan folder for this txt file	1 day?	11/23/23 8:00 AM	11/23/23 5:00 PM
185		Format the text of an email to board house	1 day?	11/23/23 8:00 AM	11/23/23 5:00 PM
186		List the full name of each included file	1 day?	11/23/23 8:00 AM	11/23/23 5:00 PM
187		Make sure each file name starts with the date	1 day?	11/23/23 8:00 AM	11/23/23 5:00 PM
188		Save this communications_to_vendors.txt to Test Plan folder	1 day?	11/23/23 8:00 AM	11/23/23 5:00 PM
189		**Chief student sends RFQ to board house**	**1 day?**	**11/24/23 8:00 AM**	**11/24/23 5:00 PM**
190		Email designers to pull these files from the repo	1 day?	11/24/23 8:00 AM	11/24/23 5:00 PM
191		Have them double-check for errors	1 day?	11/24/23 8:00 AM	11/24/23 5:00 PM
192		Have them forward the email to the board house w/attachments	1 day?	11/24/23 8:00 AM	11/24/23 5:00 PM
193		Include attachments: prelim stackup, ODB, fab drwg, test point report...	1 day?	11/24/23 8:00 AM	11/24/23 5:00 PM
194		Tell students to cc layout person on this email to board house	1 day?	11/24/23 8:00 AM	11/24/23 5:00 PM
195		Tell students to alert advisor that quote is imminent	1 day?	11/24/23 8:00 AM	11/24/23 5:00 PM
196		Have students learn to how to create a BearBuy requisition	1 day?	11/24/23 8:00 AM	11/24/23 5:00 PM
197		Have students notify Candy/Mikaela that this requisition will come to th.	1 day?	11/24/23 8:00 AM	11/24/23 5:00 PM
198		**Chief student submits BearBuy requisition after board quote arrives**	**1 day?**	**11/27/23 8:00 AM**	**11/27/23 5:00 PM**
199		Notify advisor re amount of quote	1 day?	11/27/23 8:00 AM	11/27/23 5:00 PM
200		Get advisor to tell Candy/Mikaela what chartstring to use	1 day?	11/27/23 8:00 AM	11/27/23 5:00 PM
201		Submit BearBuy requisition, mark as urgent, note shipping type	1 day?	11/27/23 8:00 AM	11/27/23 5:00 PM
202		Shipping type: will you drive to pick up, or have boards sent to BWRC?	1 day?	11/27/23 8:00 AM	11/27/23 5:00 PM
203		Assign cart to Candy/Mikaela and talk to them personally to alert them	1 day?	11/27/23 8:00 AM	11/27/23 5:00 PM
204		Email board house that PO is in process	1 day?	11/27/23 8:00 AM	11/27/23 5:00 PM

Predecessors	Resource Names	22 Oct 23	29 Oct 23	5 Nov 23	12 Nov 23	19 Nov 23	26 Nov 23	3 Dec 23
		S S M T W T F	S S M T W T F	S S M T W T F	S S M T W T F	S S M T W T F	S S M T W T F	S S M T W T
151								
172								
182								
189								

		Name	Duration	Start	Finish
205		Email board house if board house CAM shop should wait for updated f...	1 day?	11/27/23 8:00 AM	11/27/23 5:00 PM
206		After Candy/Mikaela push requisition, check your BearBuy for PO gene...	1 day?	11/27/23 8:00 AM	11/27/23 5:00 PM
207		**Check ODB files with Viewmate Deluxe & EMS Magician**	**1 day?**	**11/23/23 8:00 AM**	**11/23/23 5:00 PM**
208		Set up Viewmate Deluxe and read in ODB files	1 day?	11/23/23 8:00 AM	11/23/23 5:00 PM
209		Create rules to check in EMS Magician	1 day?	11/23/23 8:00 AM	11/23/23 5:00 PM
210		If errors, update design and re-generate all output files	1 day?	11/23/23 8:00 AM	11/23/23 5:00 PM
211		Tell student designers to also do this checking	1 day?	11/23/23 8:00 AM	11/23/23 5:00 PM
212		**Chief student works with board house CAM shop**	**1 day?**	**11/24/23 8:00 AM**	**11/24/23 5:00 PM**
213		Chief student monitors BearBuy for PO sent to board house	1 day?	11/24/23 8:00 AM	11/24/23 5:00 PM
214		Make any last minute changes, re-generate all output files	1 day?	11/24/23 8:00 AM	11/24/23 5:00 PM
215		If changes, create folder in repo, Final_files_to_BoardHouse	1 day?	11/24/23 8:00 AM	11/24/23 5:00 PM
216		Prefix all files with date and save complete set to that directory	1 day?	11/24/23 8:00 AM	11/24/23 5:00 PM
217		Compose text of email to board house, listing these files	1 day?	11/24/23 8:00 AM	11/24/23 5:00 PM
218		Save text to communications_to_vendors.txt, with date	1 day?	11/24/23 8:00 AM	11/24/23 5:00 PM
219		CAM shop at board house will create a ticket portal at their web site	1 day?	11/24/23 8:00 AM	11/24/23 5:00 PM
220		Fix any errors that the CAM shop requires	1 day?	11/24/23 8:00 AM	11/24/23 5:00 PM
221		Re-generate all files, prefix with date and save to folder	1 day?	11/24/23 8:00 AM	11/24/23 5:00 PM
222		Update communications_to_vendors.txt with any updates, for the record	1 day?	11/24/23 8:00 AM	11/24/23 5:00 PM
223		The 5-day or 10-day turn clock starts AFTER CAM agrees to go ahead	1 day?	11/24/23 8:00 AM	11/24/23 5:00 PM
224		Make sure to tell CAM shop how to ship or if you will pick up	1 day?	11/24/23 8:00 AM	11/24/23 5:00 PM
225		**Prepare RFQ to stencil house for pastemask stencil & Durostone ho...**	**1 day?**	**11/24/23 8:00 AM**	**11/24/23 5:00 PM**
226		Create folder in repo, Files_for_StencilHouse	1 day?	11/24/23 8:00 AM	11/24/23 5:00 PM
227		Store ODB file and fab drawing, with date prefixed to this folder	1 day?	11/24/23 8:00 AM	11/24/23 5:00 PM
228		Board size must be less than 5" x 3.5" for this in-house assembly	1 day?	11/24/23 8:00 AM	11/24/23 5:00 PM
229		Format text of email to Beam On for RFQ, store in comms_to_vendors	1 day?	11/24/23 8:00 AM	11/24/23 5:00 PM
230		**Chief student sends RFQ to stencil house**	**1 day?**	**11/27/23 8:00 AM**	**11/27/23 5:00 PM**
231		Have student forward the email w/attachments to stencil house, cc lay...	1 day?	11/27/23 8:00 AM	11/27/23 5:00 PM
232		**Chief student submits BearBuy requisition after stencil quote arrives**	**1 day?**	**11/28/23 8:00 AM**	**11/28/23 5:00 PM**
233		Notify advisor re amount of quote	1 day?	11/28/23 8:00 AM	11/28/23 5:00 PM
234		Get advisor to tell Candy/Mikaela what chartstring to use	1 day?	11/28/23 8:00 AM	11/28/23 5:00 PM
235		Submit BearBuy requisition, mark as urgent, note shipping type	1 day?	11/28/23 8:00 AM	11/28/23 5:00 PM
236		Email stencil house that PO is in process	1 day?	11/28/23 8:00 AM	11/28/23 5:00 PM
237		Watch BearBuy to see when PO goes through	1 day?	11/28/23 8:00 AM	11/28/23 5:00 PM
238		Beam On usually makes the stencil in one day and then ships it overnig..	1 day?	11/28/23 8:00 AM	11/28/23 5:00 PM

Predecessors	Resource Names
158	
207	
207	
225	
230	

10 Dec 23   17 Dec 23   24 Dec 23   31 Dec 23   7 Jan 24   14 Jan 24

		Name	Duration	Start	Finish
239		**Prepare RFQ to assembly house**	**1 day?**	**11/24/23 8:00 AM**	**11/24/23 5:00 PM**
240		Create sub-folder for RFQ_to_AssemblyHouse within Files_for_Assembl..	1 day?	11/24/23 8:00 AM	11/24/23 5:00 PM
241		Create pptx RFQ asking for # to stuff, instructions re SMA heat sinks, v..	1 day?	11/24/23 8:00 AM	11/24/23 5:00 PM
242		Specifiy parts you will supply, number of bare boards you will supply	1 day?	11/24/23 8:00 AM	11/24/23 5:00 PM
243		Specify number of SMA heat sinks you will supply, and if stencil jig and..	1 day?	11/24/23 8:00 AM	11/24/23 5:00 PM
244		Prefix with date, and store ODB, fab drwg, Smart PDF, Assembly BOM,...	1 day?	11/24/23 8:00 AM	11/24/23 5:00 PM
245		Prepare text of email to assembly house for RFQ, store in comms_to_v...	1 day?	11/24/23 8:00 AM	11/24/23 5:00 PM
246		**Chief student sends RFQ to assembly house**	**1 day?**	**11/27/23 8:00 AM**	**11/27/23 5:00 PM**
247		Have student forward the email w/attachments to assembly house, cc l..	1 day?	11/27/23 8:00 AM	11/27/23 5:00 PM
248		**Chief student submits BearBuy requisition after assembly quote ar...**	**1 day?**	**11/28/23 8:00 AM**	**11/28/23 5:00 PM**
249		Notify advisor re amount of quote	1 day?	11/28/23 8:00 AM	11/28/23 5:00 PM
250		Get advisor to tell Candy/Mikaela what chartstring to use	1 day?	11/28/23 8:00 AM	11/28/23 5:00 PM
251		Submit BearBuy requisition, note shipping type or if you will pick up	1 day?	11/28/23 8:00 AM	11/28/23 5:00 PM
252		Email assembly house that PO is in process	1 day?	11/28/23 8:00 AM	11/28/23 5:00 PM
253		Watch BearBuy to see when PO goes through	1 day?	11/28/23 8:00 AM	11/28/23 5:00 PM
254		Communicate with assembly house if boards should be sent to BWRC o..	1 day?	11/28/23 8:00 AM	11/28/23 5:00 PM
255		**Board Sent for fabrication**	**8 days?**	**11/27/23 8:00 AM**	**12/6/23 5:00 PM**
256		Fabrication	7 days?	11/27/23 8:00 AM	12/5/23 5:00 PM
257		Check boards upon return	1 day?	12/6/23 8:00 AM	12/6/23 5:00 PM
258	🗓	Chips Arrive at BWRC	1 day?	10/30/23 7:00 AM	10/30/23 5:00 PM
259		Board Sent for assembly	7 days?	12/7/23 8:00 AM	12/15/23 5:00 PM
260		**Bringup**	**18 days?**	**11/28/23 8:00 AM**	**12/21/23 5:00 PM**
261		Collect equipment	1 day?	11/28/23 8:00 AM	11/28/23 5:00 PM
262		Program Arty A7-100T	7 days?	11/28/23 8:00 AM	12/6/23 5:00 PM
263		Bring up scan chain	7 days?	11/28/23 8:00 AM	12/6/23 5:00 PM
264		Bring up Rocket	7 days?	12/7/23 8:00 AM	12/15/23 5:00 PM
265		Program SRAM BIST	2 days?	12/18/23 8:00 AM	12/19/23 5:00 PM
266		Prepare SRAM BIST patterns	2 days?	12/20/23 8:00 AM	12/21/23 5:00 PM
267		Test SRAMs with BIST, varying frequency and pattern	4 days?	11/28/23 8:00 AM	12/1/23 5:00 PM
268		Test SRAMs with varying supply voltage	1 day?	11/28/23 8:00 AM	11/28/23 5:00 PM

Predecessors	Resource Names
207	
239	
246	
239	
256	
257;258	
246	
257	
264	
265	