


| |  | Name | Duration | Start | Finish |
|----|---|---|----------------|-------------------------|-------------------------|
| 1 |  | Summary Test Board Design & Fab | 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 |

[illegible]

| 10 Dec 23 | | | | | | | 17 Dec 23 | | | | | | | 24 Dec 23 | | | | | | | 31 Dec 23 | | | | | | | 7 Jan 24 | | | | | | | 14 Jan 24 | | | | | | | | |
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Test Board Design - page3

| |  | Name | Duration | Start | Finish |
|----|---|--|----------------|-------------------------|-------------------------|
| 35 | | Configure input 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 list 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 | 22 Oct 23 | | | | | | | 29 Oct 23 | | | | | | | 5 Nov 23 | | | | | | | 12 Nov 23 | | | | | | | 19 Nov 23 | | | | | | | 26 Nov 23 | | | | | | | 3 Dec 23 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| | | 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 | 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 | 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 | 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 | 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 | 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 | 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 | 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 | 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 | 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 | 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 | 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 | 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 | 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 | 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 | 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 | 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 | 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 | 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 | 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 | 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 | 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 | 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 | 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 | 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 | 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 | 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 | 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 | F | S | S | M | T | W | T | F | S | S | M | T | W | T | F | S | S | M | T | W | T |

| 10 Dec 23 | | | | | | | 17 Dec 23 | | | | | | | 24 Dec 23 | | | | | | | 31 Dec 23 | | | | | | | 7 Jan 24 | | | | | | | 14 Jan 24 | | | | | | |
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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 | | Second schematic review | 1 day? | 11/8/23 8:00 AM | 11/8/23 5:00 PM |
| 73 | | Contact reviewers to schedule review time | 1 day? | 11/8/23 8:00 AM | 11/8/23 5:00 PM |
| 74 | | Send schematics, test plan, physical plan to reviewers | 1 day? | 11/8/23 8:00 AM | 11/8/23 5:00 PM |
| 75 | | Hold review | 1 day? | 11/8/23 8:00 AM | 11/8/23 5:00 PM |
| 76 | | Email advisor to notify re hand-off to layout person | 1 day? | 11/9/23 8:00 AM | 11/9/23 5:00 PM |
| 77 | | Send email to your advisor | 1 day? | 11/9/23 8:00 AM | 11/9/23 5:00 PM |
| 78 | | Attach Test Plan doc | 1 day? | 11/9/23 8:00 AM | 11/9/23 5:00 PM |
| 79 | | Attach pdf of schematics | 1 day? | 11/9/23 8:00 AM | 11/9/23 5:00 PM |
| 80 | | Attach pdf of Gantt chart | 1 day? | 11/9/23 8:00 AM | 11/9/23 5:00 PM |
| 81 | | Attach pdf of purchasing list | 1 day? | 11/9/23 8:00 AM | 11/9/23 5:00 PM |
| 82 | | Don't expect your advisor to read these. | 1 day? | 11/9/23 8:00 AM | 11/9/23 5:00 PM |
| 83 | | 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 |
| 84 | | Email layout person to notify about hand-off to layout | 1 day? | 11/9/23 8:00 AM | 11/9/23 5:00 PM |
| 85 | | List in email where hand-off docs are (git etc.) | 1 day? | 11/9/23 8:00 AM | 11/9/23 5:00 PM |
| 86 | | Chief student orders parts | 3 days? | 11/9/23 8:00 AM | 11/13/23 5:00 PM |
| 87 | | 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 |
| 88 | | Parts should be ordered through BearBuy and shipped to BWRC | 1 day? | 11/10/23 8:00 AM | 11/10/23 5:00 PM |
| 89 | | Parts should be ordered early enough, checked for in stock | 1 day? | 11/9/23 8:00 AM | 11/9/23 5:00 PM |
| 90 | | Purchase list should be generated from PartSync part record | 1 day? | 11/9/23 8:00 AM | 11/9/23 5:00 PM |
| 91 | | 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 |
| 92 | | Notify advisor of total cost | 1 day? | 11/10/23 8:00 AM | 11/10/23 5:00 PM |
| 93 | | Get advisor to tell Candy/Mikaela what chartstring to use | 1 day? | 11/13/23 8:00 AM | 11/13/23 5:00 PM |
| 94 | | Submit BearBuy requisition, mark as urgent, note shipping type | 1 day? | 11/13/23 8:00 AM | 11/13/23 5:00 PM |
| 95 | | 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 |
| 96 | | 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 |
| 97 | | 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 |
| 98 | | Layout person kickoff | 1 day? | 11/9/23 8:00 AM | 11/9/23 5:00 PM |
| 99 | | Layout person checks Test Plan for completeness | 1 day? | 11/9/23 8:00 AM | 11/9/23 5:00 PM |
| 100 | | Notify designers of schematic errors, missing info. Iterate. | 1 day? | 11/9/23 8:00 AM | 11/9/23 5:00 PM |
| 101 | | Request preliminary stackup from board house | 1 day? | 11/9/23 8:00 AM | 11/9/23 5:00 PM |
| 102 | | Rough out board size | 8 days? | 11/10/23 8:00 AM | 11/21/23 5:00 PM |

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| 10 Dec 23 | | | | | | | 17 Dec 23 | | | | | | | 24 Dec 23 | | | | | | | 31 Dec 23 | | | | | | | 7 Jan 24 | | | | | | | 14 Jan 24 | | | | | | | | | | |
| 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 | F | S | | |
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Test Board Design - page9

| |  | Name | Duration | Start | Finish |
|-----|--|---|----------------|-------------------------|-------------------------|
| 103 | | Get footprint names from PartSync | 1 day? | 11/10/23 8:00 AM | 11/10/23 5:00 PM |
| 104 | | Add footprint names to schematic sheets | 1 day? | 11/13/23 8:00 AM | 11/13/23 5:00 PM |
| 105 | | Compile schematic and push to PCB side | 1 day? | 11/14/23 8:00 AM | 11/14/23 5:00 PM |
| 106 | | Place connectors and large components roughly | 1 day? | 11/15/23 8:00 AM | 11/15/23 5:00 PM |
| 107 | | Learn SolidWorks basics | 1 day? | 11/16/23 8:00 AM | 11/16/23 5:00 PM |
| 108 | | Read wiki PCB Tool Ch08, overview & SMA spacing | 1 day? | 11/17/23 8:00 AM | 11/17/23 5:00 PM |
| 109 | | Look at panel in SolidWorks and determine # per panel | 1 day? | 11/20/23 8:00 AM | 11/20/23 5:00 PM |
| 110 | | Update Test Plan doc with screenshots of board & panel | 1 day? | 11/21/23 8:00 AM | 11/21/23 5:00 PM |
| 111 | | Board layout | 7 days? | 11/10/23 8:00 AM | 11/20/23 5:00 PM |
| 112 | | Add/create package models in PackEdit | 7 days | 11/10/23 8:00 AM | 11/20/23 5:00 PM |
| 113 | | Add/edit footprints to BWRP.PcbLib and/or schematics | 1 day | 11/10/23 8:00 AM | 11/10/23 5:00 PM |
| 114 | | 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 |
| 115 | | Create board outline | 1 day | 11/10/23 8:00 AM | 11/10/23 5:00 PM |
| 116 | | Create board stackup as all signal layers | 1 day | 11/10/23 8:00 AM | 11/10/23 5:00 PM |
| 117 | | Create edge keepouts for polygon pours for pwr, gnd layers | 1 day | 11/10/23 8:00 AM | 11/10/23 5:00 PM |
| 118 | | Modify placement of parts | 1 day | 11/10/23 8:00 AM | 11/10/23 5:00 PM |
| 119 | | Create all DRC rules in Altium's rule editor | 1 day | 11/10/23 8:00 AM | 11/10/23 5:00 PM |
| 120 | | Set Altium project options for net colors, rooms, comparator | 1 day | 11/10/23 8:00 AM | 11/10/23 5:00 PM |
| 121 | | Update schematics with net names for every net | 1 day | 11/10/23 8:00 AM | 11/10/23 5:00 PM |
| 122 | | Update schematics with net classes for controlled impedance traces | 1 day | 11/10/23 8:00 AM | 11/10/23 5:00 PM |
| 123 | | Create mounting holes and keepouts for screw heads, standoffs | 1 day | 11/10/23 8:00 AM | 11/10/23 5:00 PM |
| 124 | | Create SolidWorks assembly of test setup | 1 day | 11/10/23 8:00 AM | 11/10/23 5:00 PM |
| 125 | | Set placement of board-to-board connectors | 1 day? | 11/10/23 8:00 AM | 11/10/23 5:00 PM |
| 126 | | Select mechanical parts & order from McMaster | 1 day? | 11/10/23 8:00 AM | 11/10/23 5:00 PM |
| 127 | | Buy new parts not previously used to check footprints | 1 day? | 11/10/23 8:00 AM | 11/10/23 5:00 PM |
| 128 | | Check vacation schedule for anyone in Bear Buy approval path | 1 day? | 11/10/23 8:00 AM | 11/10/23 5:00 PM |
| 129 | | 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 |
| 130 | | Double-check all bypass caps and polarized caps | 1 day? | 11/10/23 8:00 AM | 11/10/23 5:00 PM |
| 131 | | 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 |
| 132 | | Add fiducials for assembly | 1 day? | 11/10/23 8:00 AM | 11/10/23 5:00 PM |
| 133 | | Add layer numbering test structure | 1 day? | 11/10/23 8:00 AM | 11/10/23 5:00 PM |
| 134 | | Check tented vs. untented vias | 1 day? | 11/10/23 8:00 AM | 11/10/23 5:00 PM |
| 135 | | Remove internal pads | 1 day? | 11/10/23 8:00 AM | 11/10/23 5:00 PM |
| 136 | | Set line width for controlled impedance traces | 1 day? | 11/10/23 8:00 AM | 11/10/23 5:00 PM |

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| |  | Name | Duration | Start | Finish |
|-----|--|---|---------------|-------------------------|-------------------------|
| 137 | | Create fab drawing and add to Altium project | 1 day? | 11/10/23 8:00 AM | 11/10/23 5:00 PM |
| 138 | | Note controlled impedance trace widths in fab drawing | 1 day? | 11/10/23 8:00 AM | 11/10/23 5:00 PM |
| 139 | | Note mounted cross-sections on fab drawing | 1 day? | 11/10/23 8:00 AM | 11/10/23 5:00 PM |
| 140 | | Check fab drawing drill table for all hole tolerances | 1 day? | 11/10/23 8:00 AM | 11/10/23 5:00 PM |
| 141 | | Add free text to silkscreen layers | 1 day? | 11/10/23 8:00 AM | 11/10/23 5:00 PM |
| 142 | | 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 |
| 143 | | View bottom silkscreen from backside to check rotation of text | 1 day? | 11/10/23 8:00 AM | 11/10/23 5:00 PM |
| 144 | | 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 |
| 145 | | Update the fab drawing with latest changes | 1 day? | 11/10/23 8:00 AM | 11/10/23 5:00 PM |
| 146 | | Check no stale via types are inadvertently added | 1 day? | 11/10/23 8:00 AM | 11/10/23 5:00 PM |
| 147 | | Add free ground vias for return currents crossing layers | 1 day? | 11/10/23 8:00 AM | 11/10/23 5:00 PM |
| 148 | | 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 |
| 149 | | Check necking and isolation settings in Polygon Manager | 1 day? | 11/10/23 8:00 AM | 11/10/23 5:00 PM |
| 150 | | Check thermal reliefs and via direct-connects | 1 day? | 11/10/23 8:00 AM | 11/10/23 5:00 PM |
| 151 | | 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 |
| 152 | | Set diff pair rules carefully | 1 day? | 11/10/23 8:00 AM | 11/10/23 5:00 PM |
| 153 | | Create polygon regions on pwr layers for voltage domains | 1 day? | 11/10/23 8:00 AM | 11/10/23 5:00 PM |
| 154 | | Layout out all traces after fanning out pwr, gnd | 1 day? | 11/10/23 8:00 AM | 11/10/23 5:00 PM |
| 155 | | Create board output files | 1 day? | 11/21/23 8:00 AM | 11/21/23 5:00 PM |
| 156 | | Generate Gerber files for BOM Builder checking | 1 day? | 11/21/23 8:00 AM | 11/21/23 5:00 PM |
| 157 | | Create folder in repo, Files_for_BoardHouse | 1 day? | 11/21/23 8:00 AM | 11/21/23 5:00 PM |
| 158 | | Generate ODB .zip file for board house | 1 day? | 11/21/23 8:00 AM | 11/21/23 5:00 PM |
| 159 | | Create pdf of fab drawing | 1 day? | 11/21/23 8:00 AM | 11/21/23 5:00 PM |
| 160 | | Create test point file for board house | 1 day? | 11/21/23 8:00 AM | 11/21/23 5:00 PM |
| 161 | | 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 |
| 162 | | Check package models to footprints with BOM Builder | 1 day? | 11/22/23 8:00 AM | 11/22/23 5:00 PM |
| 163 | | 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 |
| 164 | | 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 |
| 165 | | Import XYRS info into BOM Builder | 1 day? | 11/22/23 8:00 AM | 11/22/23 5:00 PM |
| 166 | | Import Gerber files of layout into BOM Builder | 1 day? | 11/22/23 8:00 AM | 11/22/23 5:00 PM |
| 167 | | Check each line item entry while zooming in Assembly view | 1 day? | 11/22/23 8:00 AM | 11/22/23 5:00 PM |
| 168 | | Ensure packages all match to footprints | 1 day? | 11/22/23 8:00 AM | 11/22/23 5:00 PM |
| 169 | | Ensure traces all exit footprints orthogonally | 1 day? | 11/22/23 8:00 AM | 11/22/23 5:00 PM |
| 170 | | Save out Smart PDF from BOM Builder | 1 day? | 11/22/23 8:00 AM | 11/22/23 5:00 PM |

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| |  | Name | Duration | Start | Finish |
|-----|--|--|---------------|-------------------------|-------------------------|
| 171 | | Save out Assembly BOM from BOM Builder | 1 day? | 11/22/23 8:00 AM | 11/22/23 5:00 PM |
| 172 | | In board repo, create Files_for_AssemblyHouse folder | 1 day? | 11/22/23 8:00 AM | 11/22/23 5:00 PM |
| 173 | | 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 |
| 174 | | Save both files to Files_for_AssemblyHouse folder | 1 day? | 11/22/23 8:00 AM | 11/22/23 5:00 PM |
| 175 | | 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 |
| 176 | | Prepare Request For Quote (RFQ) to board house | 1 day? | 11/22/23 8:00 AM | 11/22/23 5:00 PM |
| 177 | | Create RFQ sub-folder in Files_for_BoardHouse dir | 1 day? | 11/22/23 8:00 AM | 11/22/23 5:00 PM |
| 178 | | Check prev students' board repos for example RFQ pptx | 1 day? | 11/22/23 8:00 AM | 11/22/23 5:00 PM |
| 179 | | Make pptx file asking for what the quote should cover | 1 day? | 11/22/23 8:00 AM | 11/22/23 5:00 PM |
| 180 | | 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 |
| 181 | | 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 |
| 182 | | 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 |
| 183 | | Add dated ODB .zip file to this sub-folder | 1 day? | 11/22/23 8:00 AM | 11/22/23 5:00 PM |
| 184 | | 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 |
| 185 | | 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 |
| 186 | | Organize & log communications with vendors | 1 day? | 11/23/23 8:00 AM | 11/23/23 5:00 PM |
| 187 | | Create communications_to_vendors txt file | 1 day? | 11/23/23 8:00 AM | 11/23/23 5:00 PM |
| 188 | | 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 |
| 189 | | Format the text of an email to board house | 1 day? | 11/23/23 8:00 AM | 11/23/23 5:00 PM |
| 190 | | List the full name of each included file | 1 day? | 11/23/23 8:00 AM | 11/23/23 5:00 PM |
| 191 | | Make sure each file name starts with the date | 1 day? | 11/23/23 8:00 AM | 11/23/23 5:00 PM |
| 192 | | Save this communications_to_vendors.txt to Test Plan folder | 1 day? | 11/23/23 8:00 AM | 11/23/23 5:00 PM |
| 193 | | Chief student sends RFQ to board house | 1 day? | 11/24/23 8:00 AM | 11/24/23 5:00 PM |
| 194 | | Email designers to pull these files from the repo | 1 day? | 11/24/23 8:00 AM | 11/24/23 5:00 PM |
| 195 | | Have them double-check for errors | 1 day? | 11/24/23 8:00 AM | 11/24/23 5:00 PM |
| 196 | | 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 |
| 197 | | Include attachments: prelim stackup, ODB, fab drwg, test point report... | 1 day? | 11/24/23 8:00 AM | 11/24/23 5:00 PM |
| 198 | | 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 |
| 199 | | Tell students to alert advisor that quote is imminent | 1 day? | 11/24/23 8:00 AM | 11/24/23 5:00 PM |
| 200 | | Have students learn to how to create a BearBuy requisition | 1 day? | 11/24/23 8:00 AM | 11/24/23 5:00 PM |
| 201 | | 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 |
| 202 | | Chief student submits BearBuy requisition after board quote arrives | 1 day? | 11/27/23 8:00 AM | 11/27/23 5:00 PM |
| 203 | | Notify advisor re amount of quote | 1 day? | 11/27/23 8:00 AM | 11/27/23 5:00 PM |
| 204 | | Get advisor to tell Candy/Mikaela what chartstring to use | 1 day? | 11/27/23 8:00 AM | 11/27/23 5:00 PM |

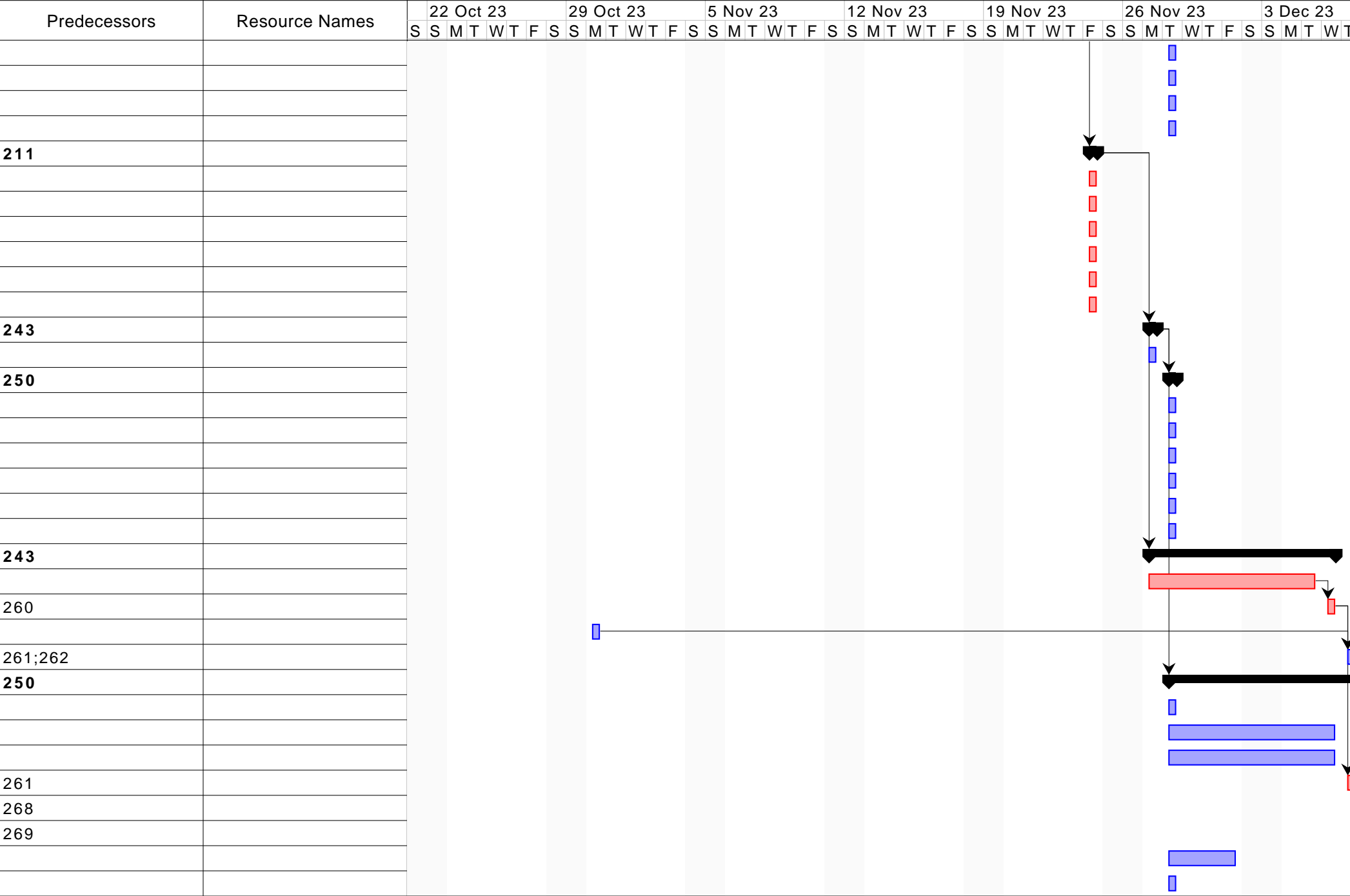
| Predecessors | Resource Names | 22 Oct 23 | | | | | 29 Oct 23 | | | | | 5 Nov 23 | | | | | 12 Nov 23 | | | | | 19 Nov 23 | | | | | 26 Nov 23 | | | | | 3 Dec 23 | | | |
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| |  | Name | Duration | Start | Finish |
|-----|--|---|---------------|-------------------------|-------------------------|
| 205 | | Submit BearBuy requisition, mark as urgent, note shipping type | 1 day? | 11/27/23 8:00 AM | 11/27/23 5:00 PM |
| 206 | | 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 |
| 207 | | 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 |
| 208 | | Email board house that PO is in process | 1 day? | 11/27/23 8:00 AM | 11/27/23 5:00 PM |
| 209 | | 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 |
| 210 | | 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 |
| 211 | | Check ODB files with Viewmate Deluxe & EMS Magician | 1 day? | 11/23/23 8:00 AM | 11/23/23 5:00 PM |
| 212 | | Set up Viewmate Deluxe and read in ODB files | 1 day? | 11/23/23 8:00 AM | 11/23/23 5:00 PM |
| 213 | | Create rules to check in EMS Magician | 1 day? | 11/23/23 8:00 AM | 11/23/23 5:00 PM |
| 214 | | If errors, update design and re-generate all output files | 1 day? | 11/23/23 8:00 AM | 11/23/23 5:00 PM |
| 215 | | Tell student designers to also do this checking | 1 day? | 11/23/23 8:00 AM | 11/23/23 5:00 PM |
| 216 | | Chief student works with board house CAM shop | 1 day? | 11/24/23 8:00 AM | 11/24/23 5:00 PM |
| 217 | | Chief student monitors BearBuy for PO sent to board house | 1 day? | 11/24/23 8:00 AM | 11/24/23 5:00 PM |
| 218 | | Make any last minute changes, re-generate all output files | 1 day? | 11/24/23 8:00 AM | 11/24/23 5:00 PM |
| 219 | | If changes, create folder in repo, Final_files_to_BoardHouse | 1 day? | 11/24/23 8:00 AM | 11/24/23 5:00 PM |
| 220 | | 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 |
| 221 | | Compose text of email to board house, listing these files | 1 day? | 11/24/23 8:00 AM | 11/24/23 5:00 PM |
| 222 | | Save text to communications_to_vendors.txt, with date | 1 day? | 11/24/23 8:00 AM | 11/24/23 5:00 PM |
| 223 | | 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 |
| 224 | | Fix any errors that the CAM shop requires | 1 day? | 11/24/23 8:00 AM | 11/24/23 5:00 PM |
| 225 | | 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 |
| 226 | | 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 |
| 227 | | 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 |
| 228 | | 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 |
| 229 | | Prepare RFQ to stencil house for pastemask stencil & Durostone ho... | 1 day? | 11/24/23 8:00 AM | 11/24/23 5:00 PM |
| 230 | | Create folder in repo, Files_for_StencilHouse | 1 day? | 11/24/23 8:00 AM | 11/24/23 5:00 PM |
| 231 | | 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 |
| 232 | | 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 |
| 233 | | 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 |
| 234 | | Chief student sends RFQ to stencil house | 1 day? | 11/27/23 8:00 AM | 11/27/23 5:00 PM |
| 235 | | 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 |
| 236 | | Chief student submits BearBuy requisition after stencil quote arrives | 1 day? | 11/28/23 8:00 AM | 11/28/23 5:00 PM |
| 237 | | Notify advisor re amount of quote | 1 day? | 11/28/23 8:00 AM | 11/28/23 5:00 PM |
| 238 | | Get advisor to tell Candy/Mikaela what chartstring to use | 1 day? | 11/28/23 8:00 AM | 11/28/23 5:00 PM |

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| |  | Name | Duration | Start | Finish |
|-----|---|---|-----------------|-------------------------|-------------------------|
| 239 | | Submit BearBuy requisition, mark as urgent, note shipping type | 1 day? | 11/28/23 8:00 AM | 11/28/23 5:00 PM |
| 240 | | Email stencil house that PO is in process | 1 day? | 11/28/23 8:00 AM | 11/28/23 5:00 PM |
| 241 | | Watch BearBuy to see when PO goes through | 1 day? | 11/28/23 8:00 AM | 11/28/23 5:00 PM |
| 242 | | 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 |
| 243 | | Prepare RFQ to assembly house | 1 day? | 11/24/23 8:00 AM | 11/24/23 5:00 PM |
| 244 | | 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 |
| 245 | | 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 |
| 246 | | 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 |
| 247 | | 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 |
| 248 | | 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 |
| 249 | | 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 |
| 250 | | Chief student sends RFQ to assembly house | 1 day? | 11/27/23 8:00 AM | 11/27/23 5:00 PM |
| 251 | | 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 |
| 252 | | Chief student submits BearBuy requisition after assembly quote ar... | 1 day? | 11/28/23 8:00 AM | 11/28/23 5:00 PM |
| 253 | | Notify advisor re amount of quote | 1 day? | 11/28/23 8:00 AM | 11/28/23 5:00 PM |
| 254 | | Get advisor to tell Candy/Mikaela what chartstring to use | 1 day? | 11/28/23 8:00 AM | 11/28/23 5:00 PM |
| 255 | | 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 |
| 256 | | Email assembly house that PO is in process | 1 day? | 11/28/23 8:00 AM | 11/28/23 5:00 PM |
| 257 | | Watch BearBuy to see when PO goes through | 1 day? | 11/28/23 8:00 AM | 11/28/23 5:00 PM |
| 258 | | 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 |
| 259 | | Board Sent for fabrication | 8 days? | 11/27/23 8:00 AM | 12/6/23 5:00 PM |
| 260 | | Fabrication | 7 days? | 11/27/23 8:00 AM | 12/5/23 5:00 PM |
| 261 | | Check boards upon return | 1 day? | 12/6/23 8:00 AM | 12/6/23 5:00 PM |
| 262 |  | Chips Arrive at BWRC | 1 day? | 10/30/23 7:00 AM | 10/30/23 5:00 PM |
| 263 | | Board Sent for assembly | 7 days? | 12/7/23 8:00 AM | 12/15/23 5:00 PM |
| 264 | | Bringup | 18 days? | 11/28/23 8:00 AM | 12/21/23 5:00 PM |
| 265 | | Collect equipment | 1 day? | 11/28/23 8:00 AM | 11/28/23 5:00 PM |
| 266 | | Program Arty A7-100T | 7 days? | 11/28/23 8:00 AM | 12/6/23 5:00 PM |
| 267 | | Bring up scan chain | 7 days? | 11/28/23 8:00 AM | 12/6/23 5:00 PM |
| 268 | | Bring up Rocket | 7 days? | 12/7/23 8:00 AM | 12/15/23 5:00 PM |
| 269 | | Program SRAM BIST | 2 days? | 12/18/23 8:00 AM | 12/19/23 5:00 PM |
| 270 | | Prepare SRAM BIST patterns | 2 days? | 12/20/23 8:00 AM | 12/21/23 5:00 PM |
| 271 | | Test SRAMs with BIST, varying frequency and pattern | 4 days? | 11/28/23 8:00 AM | 12/1/23 5:00 PM |
| 272 | | Test SRAMs with varying supply voltage | 1 day? | 11/28/23 8:00 AM | 11/28/23 5:00 PM |



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