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**FETCO | ProjectName: CBS-2121-A/Released/PCB**

[OneDriveExternalLinkViewonly](#) (Download complete project) | [PCB\\_OneDriveLocal](#) | [PCB\\_M\\_DriveLocal](#) | [README.html link](#) (This File) |



## Project Status

Component	Status	FETCO PN	REV	Sub-Directory	Notes (Links to PDF or other types of Docs)
PCB Fabrication	Released	<a href="#">1051.00027.00</a>	A.4	<a href="#">1051.00027.00_0-A.4</a>	
PCB Assembly	Released	<a href="#">1051.00027.00</a>	A.4	<a href="#">1051.00027.00_1-A.4</a>	3D Display Graphics not generated
PCB Bill of Materials	Released	<a href="#">1051.00027.00</a>	A.4	<a href="#">1051.00027.00_1-A.4</a>	  
PCB Schematic	Released	<a href="#">1051.00027.00</a>	A.4	<a href="#">1051.00027.00_2-A.4</a>	

Component	Status	FETCO PN	REV	Sub-Directory	Notes (Links to PDF or other types of Docs)
PCB Stencils	Released	<a href="#">1051.00027.00</a>	A.4	<a href="#">1051.00027.00_3-A.4</a>	stencils documentation missing, gerbers completed
PCB Firmware	pending	<a href="#">1051.00027.00.FW</a>	???		
Functional Test Program	pending				
FETCO Drawings	pending	<a href="#">1051.00027.00</a>	A	<a href="#">1051.00027.00.pdf</a>	

## To Do

last update: **2017.10.2**

- review the files with Vendor
- Create FETCO 1051.00027.00 drawing
- add Functional Test Information
- generate 3D View
- generate stencil documentation (gerbers are completed)

## Significant Changes

last update: **2017.10.2**

Date	Change	Notes
2017.8.10	INITIAL	New PCB only area

## PCB Description

Height	Width	Layers	Link
1.85 (47,23)	2.64 (66,93)	2	<a href="#">PCB Artwork</a>

## Vendor PCB Assembly Options

Option	Y/N	Notes
Conformal Coating	N	
STM Pre-Programming	N	Will add this for full <b>"PCB Production"</b>
Functional Test (1 Minute)	N	Will add this for full <b>"PCB Production"</b>

## Directory Structure

syntax: [\[Linked Directory\]](#)

### [\[..\]](#) Up A Directory

- [.. README](#)

## [\[Drawings\]](#) FETCO Production Drawings

FETCO PN	Rev	Drawing Name	
1051.00027.00	missing	11051.00027.00.pdf	Mechanical

### [\[1051.00027.00-A.4\]](#) "PCB Production" [Rev A.4]

Directory	Data Type	Important File
<a href="#">1051.00027.00_0-A.4</a>	PCB Fabrication	<a href="#">PCB Artwork</a>
<a href="#">1051.00027.00_1-A.4</a>	PCB Assembly	<a href="#">BOM(pdf)</a> or <a href="#">BOM_OctoPart</a>
<a href="#">1051.00027.00_2-A.4</a>	PCB Schematic	<a href="#">Color Schematic</a>
<a href="#">1051.00027.00_3-A.4</a>	PCB Stencils	<a href="#">Stencils</a>

## [\[Documents\]](#) supplemental documentation

[\[Firmware\]](#) "PCB Production" documentation, hex and binary files for Firmware and Boot-Loader

[\[Test\]](#) Programs and documentation for functional PCB Test

[\[Archive\]](#) Obsolete files

# Directories - Detailed

File Naming Syntax: "[([Directory](#))-(Revision)] file\_description.ext" => " Schematic Color.pdf"

## [\[Drawings\]](#) FETCO Production Drawings

### [\[1051.00027.00-A.4\]](#) PCB [Rev A.4]

1. [PCB\\_Fab\\_dir](#) PCB Fabrication
  1. **PCB 3D PDF**
    1. PCB Bottom 3D.PDF] [PCB Bottom 3D](#)
    2. PCB Top 3D.PDF] [PCB Top 3D](#)
  2. **PCB Documentation**
    1. PCB Final Artwork.PDF] [PCB Artwork](#)
  3. **PCB Fabrication**
    1. **PCB Drill Files**
      1. CBS-2121\_MainBoard.DRR
      2. CBS-2121\_MainBoard.LDP
      3. CBS-2121\_MainBoard-NonPlated.TXT
      4. CBS-2121\_MainBoard-Plated.TXT
    2. **PCB Gerber Files**
      1. CBS-2121\_MainBoard.apr
      2. CBS-2121\_MainBoard.EXTREP
      3. CBS-2121\_MainBoard.GBL
      4. CBS-2121\_MainBoard.GBO
      5. CBS-2121\_MainBoard.GBS
      6. CBS-2121\_MainBoard.GD1
      7. CBS-2121\_MainBoard.GG1

8. CBS-2121\_MainBoard.GM1
9. CBS-2121\_MainBoard.GM2
10. CBS-2121\_MainBoard.GM6
11. CBS-2121\_MainBoard.GM8
12. CBS-2121\_MainBoard.GM9
13. CBS-2121\_MainBoard.GM10
14. CBS-2121\_MainBoard.GM11
15. CBS-2121\_MainBoard.GM32
16. CBS-2121\_MainBoard.GTL
17. CBS-2121\_MainBoard.GTO
18. CBS-2121\_MainBoard.GTS
19. CBS-2121\_MainBoard.REP
20. CBS-2121\_MainBoard.RUL
21. CBS-2121\_MainBoard-macro.APR\_LIB

2. **PCB\_Assembly\_dir PCB ASSEMBLY**

1. **Assembly PCB Documentation**

1. **Assembly PCB STEP**

1. CBS-2121\_MainBoard.step] [Assembly PCB STEP](#)

2. **Bill of Materials**

1. Bill of Materials-CBS-2121\_MainBoard.xls] [BOM.xls](#)
2. Bill of Materials-CBS-2121\_MainBoard.pdf] [BOM](#)

3. **Drawings List**

4. **Parts List**

5. **Parts Locations**

6. **Pick and place files**

1. Pick Place for CBS-2121\_MainBoard.csv
2. Pick Place for CBS-2121\_MainBoard.txt

7. **Validation Files**

3. **1051.00027.00\_2-A.4 Schematic**

1. **Schematic PDF**

1. Schematic Color.PDF] [SCHEMATIC color](#)

1. **Validation Files**

4. **1051.00027.00\_3-A.4 Stencils**

1. **Stencil Documentation**

1. CBS-2121\_MainBoard.apr
2. CBS-2121\_MainBoard.EXTREP
3. CBS-2121\_MainBoard.GBP
4. CBS-2121\_MainBoard.GM1
5. CBS-2121\_MainBoard.GM2
6. CBS-2121\_MainBoard.GM18
7. CBS-2121\_MainBoard.GM19
8. CBS-2121\_MainBoard.GM20
9. CBS-2121\_MainBoard.GM31
10. CBS-2121\_MainBoard.GM32
11. CBS-2121\_MainBoard.GTP
12. CBS-2121\_MainBoard.REP
13. CBS-2121\_MainBoard.RUL
14. CBS-2121\_MainBoard-macro.APR\_LIB

2. **Stencil Fabrication - Stencil Gerber Files**

1. CBS-2121\_MainBoard.apr
2. CBS-2121\_MainBoard.EXTREP
3. CBS-2121\_MainBoard.GBP
4. CBS-2121\_MainBoard.GM1
5. CBS-2121\_MainBoard.GM2
6. CBS-2121\_MainBoard.GM18
7. CBS-2121\_MainBoard.GM19
8. CBS-2121\_MainBoard.GM20
9. CBS-2121\_MainBoard.GM31
10. CBS-2121\_MainBoard.GM32
11. CBS-2121\_MainBoard.GTP
12. CBS-2121\_MainBoard.REP
13. CBS-2121\_MainBoard.RUL
14. CBS-2121\_MainBoard-macro.APR\_LIB

3. **Validation Files**

**[Documents]**

none at this time

**[Firmware] Pending First FW Release**

File Name	Function	Note
CBS-2121_MainBoard.hex	Intel Hex format	This will change
CBS-2121_MainBoard.bin	binary format	This will change

**[Test]**

Nothing at this time

**[img]**

**[PCB]**

Image	Name	Notes
<input type="text"/>		

**[Archive]**

*nothing at this time*