

F1 FIDUCIAL

F2 FIDUCIAL

F3 FIDUCIAL

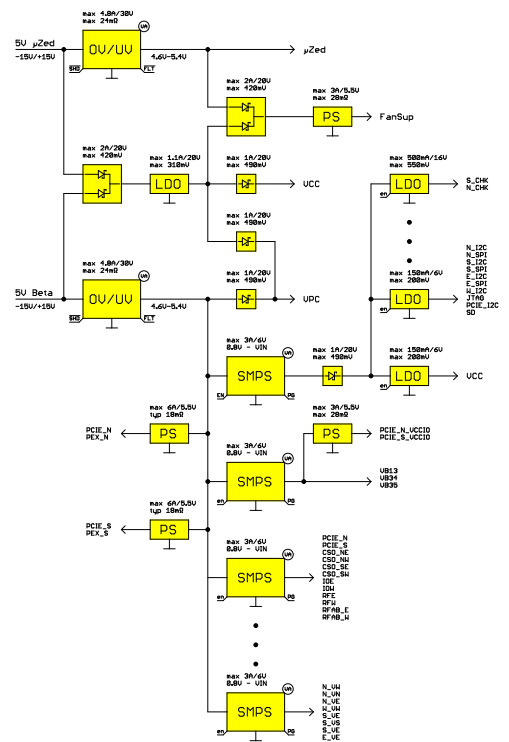
F4 FIDUCIAL

F5 FIDUCIAL

F6 FIDUCIAL

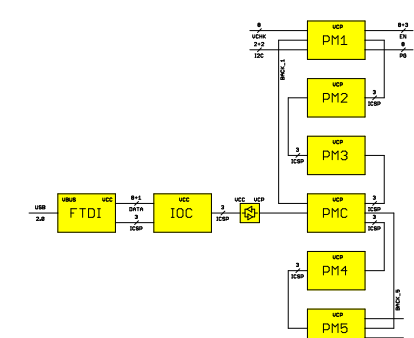
F7 FIDUCIAL

F8 FIDUCIAL



OU/UV Resistors 0.5%

15.4	2.4	150	[4.713, 4.949, 5.448, 5.176] [(4.672, 4.756), (4.905, 4.994), (5.399, 5.498), (5.129, 5.223)]
30.9	4.7	300	[4.713, 4.949, 5.430, 5.159] [(4.672, 4.756), (4.905, 4.994), (5.381, 5.480), (5.112, 5.206)]
20.5	3.24	200	[4.712, 4.948, 5.457, 5.184] [(4.670, 4.755), (4.904, 4.992), (5.408, 5.507), (5.137, 5.232)]



Future Modifications

Kelvin connection and diff routing for sense?

Round cream spots for better reflow?

Replace Q1-Q3 by pre biased bipolar or alternatively add miller capacitance

Maybe two resistors for R10/R14 or R12/R16 for finetuning?

Turn R2* 90deg and turn C3* 180deg away?

Add decoupling for digitpot and sensing?

Discharge mostet for 5V rails?

TODD:

Adjust size 24 ratio to 15

Increase roundness on PIC pads?

Check label orientation on bottom

Add orientation marks for LEDs DS*

Shorten RGB LED pin pads and make RN5 larger (EXB-24)

Positional markers for U1, U2, and U23

U17 label size vs U34

large pad [LP] package

Orientation lines for 0402s?

PIC pin one marker sizes

Change D4 to MSS2P* [microSHP] or maybe remove again?

Make CXY just Cnn?

PARTS:

PCT2075TP,147 vs MCP9800T-E/MC

Switcher and HighU LDO capacitor ...

EMK107BBJ106MA-T [10UF 16V X5R 0603]

THK107BBJ106MA-T [10UF 25V X5R 0603 SMPS]

ZRB10AR61E106ME01L [10UF 25V X5R 0603 General, Interposer]

GRT108R61E106ME130 [10UF 25V X5R 0603 Automotive]

GRM108R61E106MA73D [10UF 25V X5R 0603]

GRM108R6VA106MA73D [10UF 35V X5R 0603 Derate]

Precision resistors OU/UV

RR0510P-5111-D [5k11 0.5% 25ppm/C]

RR0510P-472-D [4k7 0.5% 25ppm/C]

RR0510P-2492-D [24k9 0.5% 25ppm/C]

ERJ2RKH2403X [240k 0.5% 100ppm/C]

Prebiased bipolar transistor ...

DDTC123JLP-7 2.2k/47k

DDTC143ZLP-7 4.7k/47k

DDTC114YLP-7 10k/47k

DDTC113TLP-7 1k/inf

PDTC143ZT,315 4k7/47k

PDTC114TH,315 10k/inf

OSHW LOGO

AXIOM Beta Power Board

Overview

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axiom_beta_power_board_v2.23

>LAST_MODIFIED_TIME

Sheet: 1/17

