## VFD Clock Logic Board

0	1.	Tat	ole	of	Con	ten	ts
_			•••	•	••••	••••	••

02. +12V Input

03. +12V Telemetry

04. +3.3V Power Supply

05. +3.3V Telemetry

06. +5V Power Supply

07. +5V Telemetry

08. +1.2VFF Power Supply

09. +1.2VFF Telemetry

10. +60VAN Power Supply

11. +60VAN Telemetry

12. +3.3V BCKP Power Supply

13. Misc Power

14. Microcontroller

15. Microcontroller Programming

16. Microcontroller Bypass

17. Microcontroller Clocking

18. Misc Circuits

19. Backup RTC

Sheet: +12V Input

File: POS12 Input.sch

Sheet: +12V Telemetry

File: POS12\_Telemetry.sch

Sheet: +3.3V Power Supply

File: POS3P3\_Power\_Supply.sch

Sheet: +3.3V Telemetry

File: POS3P3\_Telemetry.sch

Sheet: +5V Power Supply

File: POS5\_Power\_Supply.sch

Sheet: +5V Telemetry

File: POS5\_Telemetry.sch

Sheet: +1.2VFF Power Supply

File: POS1P2\_VFF\_Power\_Supply.sch

Sheet: +1.2VFF Telemetry

File: POS1P2\_VFF\_Telemetry.sch

Sheet: +60VAN Power Supply

File: POS60\_VAN\_Power\_Supply.sch

Sheet: +60VAN Telemetry

File: POS60\_VAN\_Telemetry.sch

Sheet: +3.3V BCKP Supply

File: POS3P3\_BCKP\_Supply.sch

Sheet: Misc Power

File: Misc\_Power.sch

Sheet: Microcontroller

File: Microcontroller.sch

Sheet: Microcontroller Programming

File: Microcontroller\_Programming.sch

Sheet: Microcontroller Bypass

File: Microcontroller\_Bypass.sch

Sheet: Microcontroller Clocking

File: Microcontroller\_Clocking.sch

Sheet: Misc Circuits

File: Misc\_Circuits.sch

Sheet: Backup RTC

File: Backup\_RTC.sch

20. Status LEDs

21. PGOOD LEDs

22. I2C Buffer

23. Time of Flight

24. USB UART Bridge

25. USB UART Isolation

26. USB Telemetry

27. 10 Buffers 1

28. 10 Buffers 2

29. 10 Connectors

30. Mechanical

Sheet: Status LEDs

File: Status LEDs.sch Sheet: PGOOD LEDs

File: PGOOD\_LEDs.sch

Sheet: I2C Buffer

File: I2C\_Buffer.sch

Sheet: Time of Flight

File: Time\_of\_Flight.sch

Sheet: USB UART Bridge

File: USB\_UART\_Bridge.sch

Sheet: USB UART Isolation

File: USB UART Isolation.sch

Sheet: USB Telemetry

File: USB\_Telemetry.sch

Sheet: 10 Buffers 1

File: IO\_Buffers\_1.sch Sheet: 10 Buffers 2

File: 10 Buffers 2.sch Sheet: 10 Connectors

File: 10\_Connectors.sch Sheet: Mechanical

File: Mechanical.sch

Consider adding net ties on all current sense shunt resistors for net isolation

Drew Maatman

Sheet: /

File: VFD\_Clock.sch

Title: VFD Clock

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