LED Panel Controller

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02. +12V Input

03. +12V Telemetry

04. +3.3V Power Supply

05. +3.3V Telemetry

06. +5V Power Supply

07. +5V Telemetry

08. PIC32MZ Programming

09. PIC32MZ Bypass

10. PIC32MZ Clocking

11. PIC32MZ

12. Config Hardstraps

13. I2C Boost

14. Platform ETC

15. USB UART Bridge

16. USB Telemetry

17. SD Card Slot

18. MLVDS Port

19. PGOOD LEDs

20. Status LEDs

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Sheet: +12V Telemetry

Sheet: +12V Input

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

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File: PIC32MZ_Bypass.sch

Sheet: PIC32MZ Clocking

File: PIC32MZ_Clocking.sch

Sheet: PIC32MZ
File: PIC32MZ.sch

Sheet: Config Hardstraps

File: config_hardstraps.sch

Sheet: I2C Boost

File: I2C_Boost.sch
Sheet: Platform ETC

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File: Platform_ETC.sch
Sheet: USB UART Bridge

Sheet: USB UART Bridg

File: USB_UART_Bridge.sch Sheet: USB_Telemetry

File: USB_Telemetry.sch

Sheet: SD Card Slot

File: SD_Card_Slot.sch

Sheet: MLVDS Port

File: MLVDS_Port.sch

Sheet: PGOOD LEDs

File: PGOOD_LEDs.sch Sheet: Status LEDs

File: Status_LEDs.sch

21. Backup RTC

22. Pushbuttons

23. Mode LEDs

24. SPI Flash 0

25. SPI Flash 1

26. SPI Flash 2

27. SPI Flash 3

28. SPI Flash 4

29. SPI Flash 5

30. SPI Flash 6

31. SPI Flash 7

32. Panel Level Shifters

33. Panel Connectors

34. Mechanical

Sheet: Backup RTC

File: Backup_RTC.sch

Sheet: Pushbuttons

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Sheet: Mode LEDs

File: Mode_LEDs.sch

Sheet: SPI Flash 0

File: SPI_Flash_0.sch

Sheet: SPI Flash 1

File: SPI_Flash_1.sch Sheet: SPI_Flash_2

File: SPI_Flash_2.sch

Sheet: SPI Flash 3

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Sheet: SPI Flash 7

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Sheet: Panel Level Shifters

File: Panel_Level_Shifters.sch

Sheet: Panel Connectors

File: Panel Connectors.sch

Sheet: Mechanical

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File: LED_Panel_Controller.sch

Title: LED Panel Controller

Size: A Date: 2021-05-30

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 Rev: A

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 Id: 1/34

































































