SHEET LIST
1. Sheet list
2. Edge Sensor and Segment Interface
3. MPU
4. Power Supplies
5. CAN Interface

REV

DESCRIPTION

A

INITIAL RELEASE

B

CHANGED WHEB CONNECTOR, P6 TO 50 PIN; ADC CS AND SG, SWAP ARE NOW ADC CS1 AND ADC CS2, SG1 AND SG2 NOW SPARE; PL METER, ENA AND THERMISTOR ENABLE CHANGED TO ADC DRY1 AND HADC DRY2 RETURN SIGNALS FROM THE WHEB ADC; CFG0 THRU CFG2 NOW ARE INPUTS FROM THE WHEB; ADDED FLASH DEVICE, U11; ADDED SPI ADDRESS DECODER, U5; ADDED I-WIRE INTERFACE, U13; ADDED SPI PROGRAMMING SIGNALS FOR WING BOARD FPGAs; ADDED ON-BOARD 3.0V REFERENCE DEVICE, U14, AND BUFFERS, U15, AND ISOLATION TEST CIRCUITS.

C. Shelton

REV

DESCRIPTION

C

CHANGED WHEB CONNECTOR, P6 TO 50 PIN; ADC CS AND SG, SWAP ARE NOW ADC CS1 AND ADC CS2, SG1 AND SG2 NOW SPARE; PL METER, ENA AND THERMISTOR ENABLE CHANGED TO ADC DRY1 AND HADC DRY2 RETURN SIGNALS FROM THE WHEB ADC; CFG0 THRU CFG2 NOW ARE INPUTS FROM THE WHEB; ADDED FLASH DEVICE, U11; ADDED SPI ADDRESS DECODER, U5; ADDED I-WIRE INTERFACE, U13; ADDED SPI PROGRAMMING SIGNALS FOR WING BOARD FPGAs; ADDED ON-BOARD 3.0V REFERENCE DEVICE, U14, AND BUFFERS, U15, AND ISOLATION TEST CIRCUITS.

C. Shelton
2. All other resistors on the sheet are 1%, size 0603 except as noted.
Voltage Reference

VREF OPTIONS:

+3.3V From Local Reference (Default):
Install R31.
(Also, remove R41 from the 432 board.)
+3.3V From 432 Board: Remove R31.

T & RH Sensor
Power Switch

For VCC = 3.3V: EST7 + 3.3K
For VCC = 5V: EST7 + 24.3K
For VCC = 5V: EST7 + 47.3K

POWER SUPPLIES

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