Input 5V Power

Power for MCU and I2C

Isolated DC/DC Power

Isolated DC/DC Power

I2C ISO Power

GND1  GND-ISO
MCU: MSP430G2553

Device: MSP430G2553

Pinouts:
- P1.0/TA0CLK/ACLK/A0/CA0
- P1.1/TA1.0
- P1.2/TA0.1/UCA0TXD/UCA0SIMO/A2/CA2
- P1.3/ADC10CLK/A3/VREF-/VEREF-/CA3/CAOUT
- P1.4/SMCLK/UCB0STE/UCA0CLK/A4/VREF+/VEREF+/CA4/TCK
- P1.5/TA0.0/UCB0CLK/UCA0STE/A5/CA5/TMS
- P1.6/TA0.1/A6/CA6/UCB0SOMI/UCB0SCL/TDI/TCLK
- P1.7/A7/CA7/CAOUT/UCB0SIMO/UCB0SDA/TDO/TDI
- P2.0/TA1.0
- P2.1/TA1.1
- P2.2/TA1.1
- P2.3/TA1.0
- P2.4/TA1.2
- P2.5/TA1.2
- P2.6/XIN/TA0.1
- P2.7/XOUT
- P3.0/TA0.2
- P3.1/TA1.0
- P3.2/TA1.1
- P3.3/TA1.2
- P3.4/TA0.0
- P3.5/TA0.1
- P3.6/TA0.2
- P3.7/TA1CLK/CAOUT
- AVCC
- DVCC
- IC1

Components:
- C0: 0.1 µF
- C22: 12pF
- C23: 12pF
- R3: 47.5k
- R/W.1
- E.1
- SCL
- SDA
- JTAG
- SBH11-PBPC-D07-ST-BK
- 3v3
- Reset_button

Notes:
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Version control disabled
SVN Rev: E1
TID #: TIDA-01373
Orderable: ChangeMe!

Interface

Buttons

ESD Protection
I2C Communication - Including Isolation

GND1  GND-ISO

12C pull ups

12C isolation

I2C Down load Port

ESD Protection for I2C Output

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