

chipKIT™ DP32™ Reference Design

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chipKIT DP32		Engineer: NEA
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SHEET: License agreement		Rev: B.0
TITLE: chipKIT DP32		Sheet: 1/3
Doc#: 500-280	Date: 04/17/2013	

Port B

PGED1/AN2/C1IND/C2INB/C3IND/RPB0/PMD0/RB0
 PGEC1/AN3/C1INC/C2INA/RPB1/CTED12/PMD1/RB1
 AN4/C1INB/C2IND/RPB2/SDA2/CTED13/PMD2/RB2
 AN5/C1INA/C2INC/RTCC/RPB3/SCL2/PMWR/RB3
 S0SCI/RPB4/RB4
 TMS/RPB5/USBID/RB5
 TDI/RPB7/CTED3/PMD5/INT0/RB7
 TCK/RPB8/SCL1/CTED10/PMD4/RB8
 TDO/RPB9/SDA1/CTED4/PMD3/RB9
 PGED2/RPB10/D+/CTED11/RB10
 PGEC2/RPB11/D-/RB11
 AN11/RPB13/CTPLS/PMRD/RB13
 CUREF/AN10/C3INB/RPB14/UBUSON/SCK1/CTED5/RB14
 AN9/C3INA/RPB15/SCK2/CTED6/PMCS1/RB15

4 P32_PGD
 5 P32_PGC
 6 AN4/C1INB/C2IND/RPB2/SDA2/CTED13/PMD2/RB2
 7 AN5/C2INC/RTCC/RPB3/SCL2/PMWR/RB3
 11 S0SCI/RPB4/RB4
 14 TMS/RPB5/USBID/RB5
 16 TDI/RPB7/CTED3/PMD5/INT0/RB7
 17 TCK/RPB8/SCL1/CTED10/PMD4/RB8
 18 TDO/RPB9/SDA1/CTED4/PMD3/RB9
 21 P32_D+
 22 P32_D-
 24 AN11/RPB13/CTPLS/PMRD/RB13
 25 CUREF/AN10/C3INB/RPB14/UBUSON/SCK1/CTED5/RB14
 26 AN9/C3INA/RPB15/SCK2/CTED6/PMCS1/RB15

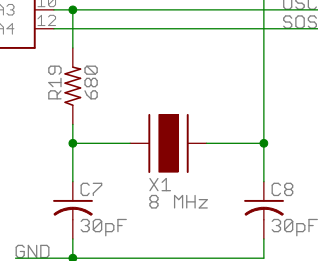
IC1PORT_B

Port A

PGED3/UREF+/CUREF+/AN0/C3INC/RPA0/CTED1/PMD7/RA0
 PGEC3/UREF-/CUREF-/AN1/RPA1/CTED2/PMD6/RA1
 OSC1/CLKI/RPA2/RA2
 OSC2/CLKO/RPA3/PMA0/RA3
 S0SCO/RPA4/T1CK/CTED9/PMA1/RA4

2 PGED3/UREF+/CUREF+/AN0/C3INC/RPA0/CTED1/PMD7/RA0
 3 PGEC3/UREF-/CUREF-/AN1/RPA1/CTED2/PMD6/RA1
 9 OSC1/CLKI/RPA2/RA2
 10 OSC2/CLKO/RPA3/PMA0/RA3
 12 S0SCO/RPA4/T1CK/CTED9/PMA1/RA4

IC1PORT_A



PGED3/UREF+/CUREF+/AN0/C3INC/RPA0/CTED1/PMD7/RA0
 PGEC3/UREF-/CUREF-/AN1/RPA1/CTED2/PMD6/RA1
 P32_PGD
 P32_PGC
 AN4/C1INB/C2IND/RPB2/SDA2/CTED13/PMD2/RB2
 AN5/C2INC/RTCC/RPB3/SCL2/PMWR/RB3
 OSC1/CLKI/RPA2/RA2
 OSC2/CLKO/RPA3/PMA0/RA3
 S0SCI/RPB4/RB4
 S0SCO/RPA4/T1CK/CTED9/PMA1/RA4
 VIN
 UCC3V3
 GND

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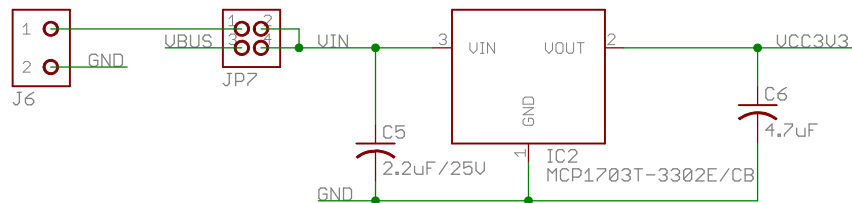
J3

No Load

TMS/RPB5/USBID/RB5
 TDI/RPB7/CTED3/PMD5/INT0/RB7
 TCK/RPB8/SCL1/CTED10/PMD4/RB8
 TDO/RPB9/SDA1/CTED4/PMD3/RB9
 P32_D+
 P32_D-
 AN11/RPB13/CTPLS/PMRD/RB13
 CUREF/AN10/C3INB/RPB14/UBUSON/SCK1/CTED5/RB14
 AN9/C3INA/RPB15/SCK2/CTED6/PMCS1/RB15
 VIN
 UCC3V3
 GND



J4



J6

UCC3V3 1 VDD VOUT 2 AN11/RPB13/CTPLS/PMRD/RB13
 GND 3



IC3
 MCP9701A
 No Load

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SHEET: Microcontroller / Power

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