5 4 3 2 1

Temperature Sensor Richard Green

U6

NC SDA

5

1

R3

VDD

4

2

GND

D

0

GND VDD

SCLK

3

SDA

10k/125mW

D

R4

TC74RG

VDD

VDD

10k/125mW SCLK

Microcontroller Eddie Lopez

J1

C 1

2

CON2

U4

FUSE

1

C1 100uF/50V

5

U2

Vin Feedback 4

Output 2

D1

GND

ON/OFF

L1

330uH C2

C

VDD

LM2575\_EL

3

1N5819HW-7-F

330uF/50V

R1

10k/125mW

U3

1. MCLR
2. VDD
3. GND
4. PGD
5. PGC

Motor Controller Nick Dunn

B

D2

LEDDebug

R2

U1

1. MCLR
2. RA0/AN0/C1INA/ULPWU/RP0
3. RA1/AN1/C2INA/VBG/RP1
4. RA2/AN2/C2INB/C1IND/C3INB
5. RA3/AN3/C1INB

RB7/CCP7/KBI3/PGD/RP10 28

RB6/CCP6/KBI2/PGC/RP9 27

RB5/CCP5/KBI1/SDI1/SDA1/RP8 26

RB4/CCP4/KBI0/SCK1/SCL1/RP7 25

RB3/AN9/C3INA/CTED2/VPO/RP6 24

MPLABSNAP

VDD VDD

U5

1. DIR

14

1. VSO
2. SO
3. VS
4. OUT1

PWM 12

DIS 11

SCK 10

CSN 9

SI 8

B

CSN

heatslug1(GND) heatslug2(GND)

220 /125mW

1. VDDCORE/VCAP

RB2/AN8/C2INC/CTED1/VMO/REFO/RP5 23

6 GND

OUT2 7

J2 CSN

1

2

3

4

7

GND 8

9

10

11

RA5/AN4/C1INC/SS1/HLVDIN/RCV/RP2 VSS1

OSC1/CLKI/RA7 OSC2/CLKO/RA6 RC0/T1OSO/T1CKI/RP11

RB1/AN10/C3INC/RTCC/RP4 22

RB0/AN12/C3IND/INT0/RP3 21

VDD 20

VSS2 19

RC7/CCP10/RX1/DT1/SDO1/RP18 18

SCLK

GND

VDD

15

C4

IFX9201SG\_ND

SDA

12

5 13

6 14

RC1/CCP8/T1OSI/UOE/RP12

RC2/AN11/C2IND/CTPLS/RP13 VUSB

RC6/CCP9/TX1/CK1/RP17 17

RC5/D+/VP 16

RC4/D-/VM 15

.1uF/50V

A Headers

VDD

C3

PIC18F27J53\_EL

Title

A

Team 204 Schematic 1

.1uF/50V

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