+9V   +5V

V1
LM7805T
INPUT GND OUTPUT

Test Point

Test Point

J1
PJ-002A

F1
3A

C1
.33uF
50V

C2
.1uF
50V

GND   GND   GND   GND

J2
Input Connector
1
2
3
4
5
6   RA0
7
8
GND

+9V

R3 220   R4 220   R5 220
R6 220   R7 220   R8 220

U1   U2   U3
XBUG53D XBUG53D XBUG53D

Test Point
RC4

M1
AOTF2618L

R2
10k

GND

Test Point
GND

H1
FAN8100N
1 REVERSEB   REVERSEA 14
2 FORWARDB   FORWARDA 13
3 OUT2B   OUT2A 12
4 Fin   Fin 11
5 OUT1B   OUT1A 10
6 PVCCB   PVCCA 9
7 VCC   D1A 8

GND

+5V

C5
.1uF
50V

Test Point

GND

Test Point
GND

Test Point
+9V

C4
.1uF
50V

GND

Test Point
RB0
RB2

Test Point

M2
11696

Test Point

Test Point

PIC18F57Q43
PIC1

56 RC0-SOSCO
55 RC1-SOSCI
54 RE0
53 RE1
52 GND
51 RF4
50 RF5
49 RF6
48 RF7
47 RB5
46 RD5
45 RD6
44 RD7
43 GND
42 RA0-ANA0
41 RA1-ANA1
40 RA2-ANA2
39 RB0-ANB0
38 RB3-ANB3
37 RA5-ANA5
36 RA6-ANA6
35 RA7-ANA7
34 VTG
33 GND
32 DBG0-RB7_ICSPDAT
31 DBG3-RE3_MCLR
30 VOFF
29 VBUS

LED0-RF3 28
RF2 27
CDC_TX-UART_RX-RF1 26
CSC_RX-UART_TX-RF0 25
GND 24
RD3 23
RD2 22
RD1 21
RD0 20
RC7 19
RE2 18
UART3_RX-RA4 17
UART3_TX-A3 16
GND 15
SPI1_SS-RD4 14
SPI1_SCK-RC6 13
SPI1_MISO-RC5 12
SPI1_MOSI-RC4 11
I2C1_SCL-RB1 10
I2C1_SDA-RB2 9
UART1_TX-RC3 8
UART1_TX-RC2 7
SW0-RB6-DBG2 6
ICSPCLK_RB6-DBG1 5
RF1-UART_RX-CDC_TX 4
RF0-UART_TX-CDC_RX 3
ID 2
NC 1

Test Point
RA0
GND

RB0

+5V
Test Point

C3
.1uF
50V

GND

GND   GND   GND

SW1
GPTS203211B

R1
10k

GND

RC4

RB2

R9 220   R10 220

U4
WP7113ID5V

U5
WP7113ID5V

GND   GND