PS Voltage

3.3V 5V   IR Light   Status Light   Relay

PS-6
VCC
TRIG
ECHO   C4
PS-1   GND
VCC   MOS1   MOS2   MOS3
TRIG   1 2 3   1 2 3   1 2 3
ECHO   PS-7   PSOC
GND   VCC
TRIG   P6-VDD   VBACKUP   GND_0 +12V
PS-2   ECHO   GND
VCC   GND   RESET   R5
TRIG   12.7   VREF   BUCK
ECHO   PS-8   12.6   10.6   I   In   +
GND   VCC   SW2 0.5   10.5   M1
TRIG   0.4 10.4
ECHO   CMOD 7.7   10.3
PS-3   GND   7.2   10.2
VCC   LED4 7.1   10.1   M2
TRIG   PS-9   LED3 6.3   10.0
ECHO   VCC   6.2   5.6
GND   TRIG   9.6   5.5
ECHO   9.5   5.4
PS-4   GND   9.4   5.3
VCC   9.3   5.2
TRIG   PS-10   9.2   5.0 RX   I   Out   +
ECHO   VCC   9.1   5.1 TX
GND   TRIG   VDD 9.0   6.4 SCL
ECHO   GND   6.5 SDA   SPI
PS-5   GND   VIN
VCC   GND
TRIG   SWDIO SWDCLK RESET GND VTARG
ECHO   PS-11   ISOW SIWO SCLK SS
GND   VCC
TRIG   SWDIO SWDCLK RESET GND VTARG   TH-1   TH-2   TH-3   WIFI
ECHO   3-6V   3-6V   3-6V
GND   SDA   SDA   SDA   TX   GND
C1   SCL   SCL   SCL   C3
SCL   SCL   SCL
INT   INT C2 INT   RST
GND   GND   GND
VCC   RX

Knight Guard Rev 1.3

Created By: Helpful Robotics
Brianna Christiansen & Quinton Cline
Seattle Pacific University