Arduino Shield Pinout Level Shifting for 3.3V Micros SP1 MISO Vcc SP2 SP3 SCK MOSI SP4 SP5 Reset Gnd SP6 SCL SCL SCL 101 SDA SDA 102 AREF 3 1 NC NC 10 N RJU003N03 GND1 GND1 GND2 GND2 1 AD0 2 AD1 3 AD2 4 AD3 5 A4 SDAAD4 6 A5 SCLAD5 AD4 AD4 AD5 i2c PWM I/O Expander Solder Jumpers for pre-R3 SDA_PWM 27 SCL_PWM 26 OE 23 OE LED5 LED6 LED7 LED8 SDA_IO SJ2 (Open by default, close for use with pre-R3 devices.) 25 EXTCLK PCA9685 SCL_IO S A5_SCL Solder Jumper for programmable OE U1 Servo Power Selection Jumper

Input voltage 7V - 18V (9V - 14V recommended)

Reset Button

RESET SW1 SW_PUSHBUTTON

6V 1.5A Servo Power Supply

XL2009

1.5A max output current 🎁

10uF (Second low ESR 10uF capacitor on VCC rail.)

VOUT = 1.25*(1+R2/R1) = 5.972V



