



NTSC Video Out  
Video Ground  
**Video Header**

**9 pin RS-323**  
Tx Out  
Rx In  
Ground

W-Tx Out  
R-Rx In  
B-Ground  
**3 pin RS-232**

Servo 5  
Servo 4  
Servo 3  
Servo 2 (TI 4)  
Servo 1 (Pan)  
B-Ground  
R-Voltage  
W-PWM  
**Servo Header  
(Normally Unused  
by FIRST)**

On  
**Power Switch**

**Control Board**

B-Ground  
R-Power  
W-Unused  
**Power In From  
RC PWM Header**

Tilt Reverse  
Pan Reverse  
Slave Mode  
Baud Rate 0  
Baud Rate 1  
Baud Rate 2  
**Mode Header (Normally Open)**

**Camera Assembly**  
Rx In  
+ 5v Out  
Tx Out  
Ground  
**TTL Port  
(Normally  
Unused)**

**Internal Power to Servos  
(Normally Jumpered)**

Ground  
+5v  
OSC2  
OSC1  
**Programming Header  
(Normally Open)**

**User Input  
Switch**

**Camera  
Module**

**External Power To Servos  
(Normally Open)**

**Oscillator Connect  
(Normally  
Jumpered)**

I/O 3  
I/O 2  
I/O 1  
I/O 0  
+5v  
Ground  
**User Input**