IR LED Con4

TEAM COLOR

SW1

R28 51

5.5 V

KT961 Q3

FIRE FLASH LED Con5

R4 10k
R1 10k
R3 10k

5.5 V

R2 10k

R17 51k

LEDS (LIFE) K3

R18 1k

R19 1k
R20 1k
R21 1k
R22 1k

5.5 V

Power Con3

C8 100u 16V

D1

D2

JTAG K1

2	GND
4	NC
6	nSRST
8	NC
10	GND

1	TCK
3	TDO
5	TMS
7	Vref
9	TDI

5.5 V

BULLETS OUT LED Con7

R24 10k

R25 1k

FIRE MODE Con6

R23 10k

10k R27

5.5 V

FIRE KEY Con8

R26 10k

U1 Atmega16

40 (ADC0) PA0
39 (ADC1) PA1
38 (ADC2) PA2
37 (ADC3) PA3
36 (ADC4) PA4
35 (ADC5) PA5
34 (ADC6) PA6
33 (ADC7) PA7
32 AREF
31 GND
30 AVCC
29 (TOSC2) PC7
28 (TOSC1) PC6
27 (TDI) PC5
26 (TDO) PC4
25 (TMS) PC3
24 (TCK) PC2
23 (SDA) PC1
22 (SCL) PC0
21 (OC2) PD7

1 PB0 (XCK/T0)
2 PB1 (T1)
3 PB2 (INT2/AIN0)
4 PB3 (OC0/AIN1)
5 PB4 (SS)
6 PB5 (MOSI)
7 PB6 (MISO)
8 PB7 (SCK)
9 RESET
10 VCC
11 GND
12 XTAL2
13 XTAL1
14 PD0 (RXD)
15 PD1 (TXD)
16 PD2 (INT0)
17 PD3 (INT1)
18 PD4 (OC1B)
19 PD5 (OC1A)
20 PD6 (ICP1)

DAMAGE SW2

R7 10k
R5 10k

5.5 V

R8 10k

R6 10k

ISP connector K2
1 MOSI
2 MISO
3 SCK
4 RST
5 GND

C7 0.1u

R11 10k

5.5 V

Con2
1 INT0
2 5V
3 GND
4 LED

Q2 KT961

5.5 V

D3

X1 8MHz

C5 22

C4 22

R16 10k

R14 10k

R15 10k

5.5 V

R13 10k

SW3 BULLETS LIMIT

R12 10k

R9 1k

C1 0.1u

R10 10k

C6 0.1u

KT315 Q1
C3 47u 16V

U2 TDAT267

5.5 V

4 IN
3 SVR
6 GND
7 GND
8 GND
1 VS
5 GND
9 OUT
2

470u 16V

C2 470u 16V

Con1 SPIKER
1
2