



5V
27k
TRIMM
+

+

DISPLAY

GND
5V
VEE
RS
R/W
E
D0
D1
D2
D3
LED5V
LED_GND
LEDV
GND

1_12V/2_WHITE
WHITE_-2
WHITE_-1
+12V

WHITE
IRLU2905
100
R5

GREEN
IRLU2905
100
R3

BLUE
IRLU2905
100
R2

RED
IRLU2905
100
R4

1_12V/2_RED
RGB_1-2
RGB_1-1
+12V

ISP
1
2
3
4
5
6
+5V
GND

S4
4
3
2
1
GND

MBRS1100SMD
IC3 D4
7805TV
VI VO
GND
C6 100nF
C7 100nF
C8 10uF
C4 10uF
+12V
+5V

27
1k
R8
R7
BC327
+

MEGA8-AI

PC0(ADC0) PC6(/RESET)
PC1(ADC1) GND
PC2(ADC2) AREF
PC3(ADC3) AVCC
PC4(ADC4/SDA) PC5(ADC5/SCL)
ADC6 ADC7
PB6(XTAL1/TOSC1) PB7(XTAL2/TOSC2)
PD0(RXD) PD1(TXD)
PD2(INT0) PD3(INT1)
PD4(XCK/T0) PD5(T1)
PD6(AIN0) PD7(AIN1)
PB0(CP) PB1(OC1A)
PB2(SS/OC1B) PB3(MCS/OC2)
PB4(MISO) PB5(SCK)

23 24 25 26 27 28 19 22
30 31 32
1 2 9 10 11
12 13 14 15 16 17

R1 10k
C1 100nF
C2 100nF
C3 100mF
+5V
GND

1_12V/2_GND
IN-2
IN-1
FUSEBLANK_5X20MM
F1
P6SMB
D3
+12V

+5V