





11839C

J1 = OPEN MEANS BLACK LINE
 J1 = CLOSED MEANS WHITE LINES

R7-R14=4.7K

BAR1
 10 LED ARRAY

IC3 7806

M1, M2 = BQ MOTOR

CON3
 FOR INPUTS

IC4 L293D

LED3
 MOTOR POWER

D3 1N4007
 D1 1N4007

D2 1N4007
 IC1 7805

BATT.1
 11.1V
 C1 100µ

LED1
 LOGIC POWER

R2 10K
 R3 10K

C2 10µ
 R6 4.7K

S1 S2 S3 S4
 CC MT/DE ROS/IN RESET

R5 10K
 CON2
 FOR ISP PORT

CON1
 FOR OLED
 GND Vcc SCL SDA

CC=CONFIGURE CONSTANTS
 MT/DE=MOTORS TEST/DECREMENT
 ROS/INCREMENT

5V
 IP1 IP2 IP3 IP4 IP5 IP6 IP7 IP8
 GND
 R15 2.2K

LED2
 BLINKER
 R16 2.2K

J2 J3
 M1 M2



