SDA | SCL   SCK | MISO | MOSI | SS   [D10*][D11*]SPI[D12][D13] I2C [A4]
[A5] I2C [A4]   [D13][D12]SPI[D11*][D10*]   SS | MOSI | MISO | SCK   SCL | SDA

[D4]
GND|+12V|<TRIG>|SPKR-|SPKR+   DFPLAYER MINI

J3

J2   > GND   J8
R2   > VCC

S1   YX5300   MICRO SD CARD SLOT

OPTIONAL PULLDOWN RESISTOR   R9 (1K)> RX

R3   R5
A5 / A4 PULLUP

USB   A1
REF**   ARDUINO NANO   REF**   U1

J5   J7

PLAY
C1
R1   [D2] [GND]

J1   A3 PULLUP   J4   [D3*] [INT]

RX[D1]/TX[D0]   RX—   MP3 SIGNAL   SCAREBANGER V2.0   2.1MM X 5.5 MM   GND -(+- +12V   [A3]
TX—
+12V—   +3V3 |GND//+5V |GND//+12V |GND6   4CH   [A6]
GND—   8CH
RST —^   R4   A1 / A0 PULLUP   R6   SW2

R7   A2 PULLUP   [A2] [A1] [A0]   [D9*] [D8] [D7] [D6*] [D5*]   [A7]
R8   R8 | R7 | R6   R5 | R4 | R3 | R2 | R1 | GND |+12V

J17

IF CONNECTING MULTIPLE BOARDS
TO SAME TRIGGER HAVE THEM
ALL SHARE THE SAME POWER SUPPLY

TX/RX SERIAL
SWITCHER
DEFAULT-SLAVE

JP1
JP2

ScareBanger Board
2022/10/09

J16