Mega2560 PCB

LCD 5V => 3.3V

M2560-1

TO MEGA2560 BOARD
D7 D6 D5 D4 D3 D2 D1 D0
5.1K 5.1K 5.1K 5.1K 5.1K 5.1K 5.1K 5.1K
10K 10K 10K 10K 10K 10K 10K 10K

MCP1826

100N

LED−
LED+
DATA7
DATA6
DATA5
DATA4
DATA3
DATA2
DATA1
DATA0
3.3V
GND
CS
RES
WR
RD
A0

100N
MMFT960T1
G S D
5.1K 5.1K 5.1K 5.1K 5.1K
10K 10K 10K 10K 10K
+5V GND RD WR A0 RES CS BKLT
TO MEGA2560 BOARD

Rotary encoder 1

M2560-2

TO MEGA2560 BOARD

ROT 2 A
ROT 2 B
ROT 1 A 100N 200
ROT 1 B 100N 200

TO PAD2

+5V GND

GND (TO SWITCH)

5K1 5K1

A

B

GND (TO SWITCH)

TOP (LEFT)

GND (TO SWITCH)

ESC
200 100N ENTER
200 100N LEFT
200 100N RIGHT
200 100N UP
200 100N DOWN

TO MEGA2560 BOARD

Rotary encoder 2

GND (TO SWITCH)   TOP (RIGHT)

200 100N

ROT 2 PUSH / ESC
+5V
GND

5K1 5K1
A
200 100N   TO PAD 1   ROT 2 A
200 100N   ROT 2 B
B

M2560-3

GND (TO SWITCH)

Trim & switches deboucing

TO SWITCHES   TO SWITCHES
200 200 200   200 200 200
TO MEGA2560 BOARD
100N 100N 100N 100N   100N 100N 100N 100N

R−UP   200 200 200   L−UP
R−R R−L TO MEGA2560 BOARD L−R L−L
100N 100N 100N 200 200 200 100N 100N 100N
R−DN   L−DN

GND

M2560-4

Sticks amp. (basic)

Z   POT2
M2 M4
M1 M3
GND
5.1K
10K 10K 10K 10K
10K   10K
2.2K   2.2K

MCP5004

2.2K   2.2K

M25 60-5

Sticks amp. (full)

POT3 POT2 POT1
GND
5V
5.1K 2.7K
LH   RH
100N
RV   LV

GND

+ BATT

10K 10K
10K   10K
2.2K   2.2K

MCP5004

2.2K   2.2K

ON MEGA2560 BOARD
U-BATT P3 P2 P1 LH RV LV RH

M2560-5

Power & PPM management

RF GND
RF +
RF PPM
U BATT
BOARD GND
BOARD +
POWER SWITCH

2.7K 5.1K
5.1K   NDT2955
5.1K   D G
SPEAKER   100N
HOLD POWER   6.8K
DSC ACTIVATED 5.1K 100K MMFT960T1
RF ACTIVATED 6.8K 5.1K G S D
BUZZER   1
SIM CTRL   MC14066B 10K 200
PPM OUT   10K
PPM IN
GND

ON MEGA2560 BOARD

5.1K 10K

BATT +/GND
BATT CHARGE

DSC JACK

DSC PPM
GND

SERVICES

BOARD +5V / GND

M2560-6

M2560-1

M2560-2

M2560-3

M2560-4

M25 60-5

M2560-5

M2560-6