Arduino Mega + Touchscreen

PL35 PL36 PL37 PL38 PL39 PL40 PL41 PL42 PL43 PL44 PL45 PL46 PL47 PL48 PL49 PL50 PL51

PL54 PL55

+5V 0V

PL13 PL14 PL15 PL16 PL17 PL18 PL19 PL20 PL21 PL22 PL23 PL24 PL25 PL26 PL27 PL28 PL29

RL1a RL2a RL3a RL4a RL5a RL6a RL7a RL8a RL9a RL10a RL11a RL12a RL13a RL14a RL15a RL16a

PREAMP PCB

PL52 AC 8v PL53

BYW95C D9 D10 D11 D12

U6 LM7805

C33 1000uF/16v C34 100nF C36 100nF C35 100uF/16v

+5V 0V

PL56 AC 15v PL57 AC 15v PL58

BYW95C D13 D14 D15 D16

U7 PCB TPS7A47

U8 PCB TPS7A33

C37 1000uF/16v C38 1000uF/16v C39 100uF/16v C40 100uF/16v

+15V GND -15V

Vcc 305v

47uF/400v C21 GND

U3a 6N3/5670/2C51/396A

H+ H- X5

1K R18 820 R17 100K R16 12K R15 C9 100nF

1uF C10 PL5

1uF C23 +15V

U1 OPA627 V+ IN- IN+ V- OUT

1uF C24 -15V

PL1 PL2 PL3

RL13b RL14b RL15b

RL1b RL2b RL3b RL4b RL5b RL6b RL7b RL8b RL9b RL10b RL11b RL12b

C1 100pF C2 220pF

R47 10 R19 47 R1 100 R2 330 R3 56K R4 68K R5 150K R6 82 R7 680 R8 2K2 R28 1K5

100K R9 5K6 R10 8K2 R11 10nF C6 10nF C7 10nF C5 10nF C8

1K R13 1M R12 820 R14

U3b 6N3/5670/2C51/396A

RL16b

PL4 PL6

GND

INPUT PCB

BYW95C D1 D2 D3 D4

PL33 AC 230v PL34

C30 220uF/400v C31 100uF/400v C32 100uF/400v

1K R41 1K R42 1K5 R43 1K5 R44

Vcc 305v Vcc

GND

BYW95C D5 D6 D7 D8

PL31 AC 12v PL32

U5 LM317T VI VO ADJ

C27 4700uF/25v C28 470uF/25v C29 10uF/25v

240 R40 5K R39

H+ H+ 12v H- H-

C41 1uF

Vcc 305v

47uF/400v C22 GND

U4a 6N3/5670/2C51/396A

H+ H- X5

1K R27 820 R26 100K R25 12K R24 C14 100nF

1uF C15 PL7

1uF C25 +15V

U2 OPA627 V+ IN- IN+ V- OUT

1uF C26 -15V

PL12 PL11 PL10

RL13c RL14c RL15c

RL1c RL2c RL3c RL4c RL5c RL6c RL7c RL8c RL9c RL10c RL11c RL12c

C20 100pF C19 220uF

R48 10 R45 47 R36 100 R35 330 R34 56K R33 68K R38 150K R32 82 R37 680 R46 2K2 R31 1K5

100K R29 5K6 R20 8K2 R30 10nF C11 10nF C12 10nF C16 10nF C13

1K R22 1M R21 820 R23

U4b 6N3/5670/2C51/396A

RL16c

PL9 PL8

GND