MIDI OUT

330R

MIDI OUT

RMUX_C   J7.3   D7
RMUX_B   J7.2   D8
RMUX_A   J7.1   D9

G

C

VCC   VCC   VCC

16 VCC   16 VCC   16 VDD

IC1P   IC2P   IC4P

7 VEE 8 GND   7 VEE 8 GND   8 VSS

GNDGND   GNDGND   GND

D

1   2   3

D12
D11   J6.11
D10   J6.12   MIDI-OUT

A7   J3.3   AUX2
A6   J3.2   AUX1
ND.3 J3.1   GND1

VNEG

JP5

ARP-ON   1
ARP-MODE   2
ARP-OCT   3
CK-RATE   4
CK-OUT   5

PANEL

C

JP11

AUX2   1
AUX1   2
GND1   3

AUX

D

| MCU and main power |
| Mono main board V3 |
| 4/18/2022 1:22 AM |

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4   5   6

	1	2	3

A

PWR

1
2

CN1

GND

VIN

+ C1

47u

GND

IC3
7805TV

VI   VO

GND

1   3

2

GND

VCC

+ C2

GND

C3

GND

VCC

B

JP1

1
2
3

R2

330R

R1

VCC

GND

MIDI-OUT

J7.12   D1/TX
J7.11   D0/RX
J6.3   RST.1
J7.9   GND.1
W_EN   J7.8   D2
WMUX_C   J7.7   D3
WMUX_B   J7.6   D4
WMUX_A   J7.5   D5
RMUX_OUT J7.4   D6
RMUX_C   J7.3

A

B

JP2

GND   1
VCC-MCU   2
SDA   3
SCL   4
GND   5
V-OUT   6

MCP4725

M1
ARDUINO-PRO-MINI-5.0V

A5   J2.2   SCL
A4   J2.1   SDA

RAW   J6.1   VIN
ND.2   J6.2   GND
RST.2   J7.10
VCC   J6.4   VCC-MCU
A3   J6.5   ARP-ON
A2   J6.6   ARP-MODE
A1   J6.7   ARP-OCT
A0   J6.8   CK-RATE
D13   J6.9   CK-OUT
  J6.10   CK-IN

JP3

VCC   1
GND   2

PANEL_PWR

JP4

VIN   1
GND   2
VNEG   3