U3
MAX8881EUT18+T

+3.3V

C1
1u

IN
GND
OUT

POK
*SHDN
FB

R1
100k

+1V8

C3
2.2u

GND GND GND

D_Schottky
D1

VDD

J1
Barrel_Jack

C2
100u 25V

J5
Conn_01x02

GND

U1
MAX98389EWE+T

+1V8

*RESET
ADDR
BCLK
DIN
LRCLK
SCL
SDA
I.C.
PVDD
PVDD
VDD
GND
PGND

B2
C3
D2
C1
D4
A1
B1
C2
A3
B3
A2
D3
A4

DOUT
OUTN
OUTP

D1
C4
B4

DIN_1V8 FB1
470@100Mhz

OUT_N

SOC_OUT_N

J3
Conn_01x01_Socket

C9
100p

GND

FB2
470@100Mhz

OUT_P

SOC_OUT_P

C10
100p

J12
Conn_01x01_Socket

J2
Conn_01x02

BCLK_1V8
DOUT_1V8
LRCLK_1V8
SCL_1V8
SDA_1V8

+1V8

VDD

C5
10u 25V

C4
100n 25V

+1V8

C6
1u

C7
10u

GND GND GND

U2
TXS0108EPWR

+1V8

VCCA
VCCB

2
19

+3V3

OE 10

A1
A2
A3
A4

B1
B2
B3
B4

1
3
4
5

20
18
17
16

A5
A6
A7
A8

B5
B6
B7
B8

GND

6
7
8
9

15
14
13
12

11

LRCLK_1V8
BCLK_1V8
DIN_1V8
DOUT_1V8

LRCLK_3V3
BCLK_3V3
DIN_3V3
DOUT_3V3

GND

+3V3

R2
10k

+1V8

R3
10k

SCL0_3V3

BSS138
Q1

SCL_1V8

+3V3

R4
10k

+1V8

R5
10k

SDA0_3V3

BSS138
Q2

SDA_1V8

J4
Conn_02x06_Odd_Even

GND
SDA0_3V3
SCL0_3V3

GND
+1V8

1
3
5
7
9
11

2
4
6
8
10
12

BCLK_3V3
LRCLK_3V3
DIN_3V3
DOUT_3V3
GND
+3V3

H1
MountingHole_Pad

H2
MountingHole_Pad

GND GND

H3
MountingHole_Pad

H4
MountingHole_Pad

GND GND

GND

+3V3

J8
Conn_01x02

BCLK_3V3
LRCLK_3V3
DIN_3V3
DOUT_3V3

J6
Conn_01x10

DGND
VIN
3V3_D
USB_D_+
USB_D_-
SAI2_SCK
SAI2_FS
SAI2_SD_A
SAI2_SD_B
SAI2_MCLK
DAC_OUT1
DAC_OUT2
ADC_6
ADC_5
ADC_4
ADC_3
ADC_2
ADC_1
ADC_0
3V3_A

GPIO0
GPIO1
GPIO2
GPIO3
GPIO4
GPIO5
GPIO6
GPIO7
GPIO8
GPIO9
GPIO10
GPIO11
GPIO12
GPIO13
GPIO14

USB_ID
SD_DATA_3
SD_DATA_2
SD_DATA_1
SD_DATA_0
SD_CMD
SD_CLK
SPI1_CS
SPI1_SCK
SPI1_POCI
SPI1_PICO
I2C1_SCL
I2C1_SDA
USART1_TX
USART1_RX
AUDIO_IN_1
AUDIO_IN_2
AUDIO_OUT_1
AUDIO_OUT_2
AGND

40
39
38
37
36
35
34
33
32
31
30
29
28
27
26
25
24
23
22
21

GPIO30
GPIO29
GPIO28
GPIO27
GPIO26
GPIO25
GPIO24
GPIO23
GPIO22
GPIO21
GPIO20
GPIO19
GPIO18
GPIO17
GPIO16
GPIO15

A1
Electrosmith_Daisy_Seed_Rev4

J7
Conn_01x11

SCL0_3V3
SDA0_3V3

Conn_01x02
J14

GND

J9
AudioJack2

J10
AudioJack2

J11
AudioJack2

J13
AudioJack2