MIC_MUTE   SUSPEND

D1 1   R1   1K/5%/0402
2   5988170107F
D2 1   R2   1K/5%/0402
2   5988170107F

C1 1uF/10V
GND

R3   0E/0402/DNP
R4   0E/0402
R5   0E/0402/DNP

U1 PCM2912APJTR

1UH/600MA L2
1uF/10V C3
GND

R6   0E/0402

100µF/10V/ECA-1AM101B
C2   AUD_R
+

R7 3.3K/0402   R8 3.3K/0402

TP1   GSM_VUSB
TP2   GSM_D-   R9   33R/0402
TP3   GSM_D+   R10 33R/0402
TP4   R11   1.5k/0402

32 PLAY
31 REC
30 MMUTE
29 SSPND
28 TEST0
27 TEST1
26 VCCP
25 PGND

1 BGND   POWER 24
2 VBUS   MAMP   23
3 D-   VOUTR 22
4 D+   VCCR   21
5 VDD   HGND   20
6 DGND   VCCL   19
7 XTO   VOUTL 18
8 XTI   MBIAS 17

9 FL
10 FR
11 VCOM1
12 VCOM2
13 AGND
14 NC
15 VCCA
16 VIN

1uF/10V C4
1uF/10V C5

R12 3.3K/0402   R13 3.3K/0402

C7 +
100µF/10V/ECA-1AM101B
AUD_L

R14 2.2K/0402   MICRO+

C6 1uF/10V
C8 18pF/50V/0402
C10 18pF/50V/0402
Y1 6MHz
R15 1M/0402
GND

C9 3.3uF/10V/0603
GND

C11 100PF/50V/0603
C12 3.3µF/50V/0603
C17 0.1uF/16V/0402
C18
C13 1uF/10V
C16 10uF/16V/0805
MICRO+
GND

AUD_R
AUD_L
R18 0E/0402/DNP
R17
R16 1K/5%/0402
0E/0402
GND

AUD_SIG
C14 1uF/10V

VBAT
R21 0E/0402
R22 0E/0402/DNP
R23 39K/0402
GND

VBAT
1 L1 2
2.2uH
C20 10uF/16V/0805
GND

U2
D2 IN+   OUT+ B1 LOUD_P
D3 IN-   OUT- C1 LOUD_N
B2 GAIN   ENB   D4
             END   C3
B3 AGC   PVOUT A2
A3 SW   GND   A4
B4 VBAT   GND   C2
A1 PVDD   GND   C4
             GND   D1
TPA2015D1YZHR
VBAT
R19 R20 10K/0402
EN_BOOST
EN_AMP 10K/0402
C19 22uF/16V/0805
GND

VBAT
J2
1 2
3 4
5 6
7 8
9 10 GSM_VUSB
GSM_D+ 11 12 GSM_D-
13 14
15 16
17 18
19 20
DF12B(3.0)-20DP-0.5V(86)
GND

J1
1 2
3 4
5 6
7 8
9 10 EN_BOOST
11 12 SUSPEND
LOUD_P 13 14 EN_AMP
LOUD_N 15 16 MIC_MUTE
MICRO+ 17 18 AUD_SIG
MICRO- 19 20 AUD_L
DF12B(3.0)-20DP-0.5V(86)
R24 10K/0402
GND
R25 1K/5%/0402
GND

CONNECTOR