

Working Output: 3.3V 500mA
Supply Voltage Limit: 20V
Current Limit: 800mA

P1 Header 17

Pin	Signal
1	DC SDA P0 25
2	EC SCL P0 26
3	A4 P0 28
4	A5 P0 29
5	A6 IMU_IRQ P0 30
6	A7 P0 31
7	A3 P0 05
8	A2 P0 04
9	A1 P0 03
10	A0 P0 02
11	RXD P0 06
12	TXD P0 08
13	NFC1 P0 09
14	NFC2 P0 10
15	GND
16	VCC 3.3V
17	RESET

P2 Header 17

Pin	Signal
1	SWDIO
2	SWCLK
3	FRST
4	DFU
5	P0 19
6	P0 18
7	P0 17
8	P0 16
9	P0 15
10	P0 14
11	P0 13
12	P0 12
13	P0 11
14	GND
15	VBAT
16	VBUS_IN
17	

DFU Button (KEY4)

The DFU button is connected to the DFU pin (P2 pin 4) and ground.

(4) IPS_LCD

Pin connections for L1:

- NC1
- NC2
- SDA
- SCL
- RS
- RESET
- CS
- GND1
- NC3
- VCC
- LEDK
- LEDA
- GND2

Signal connections:

- P0_07: LCD SDA
- P0_27: LCD SCL
- P0_16: LCD DC
- P0_23: LCD RST
- P0_24: LCD CS

Power and Ground connections:

- VCC 3.3V
- GND
- LCD LEDK

Capacitors:

- C6: 0.1uF
- C7: 0.1uF

Resistors:

- R6: 10K
- R5: 10K
- R8: 1K

Diodes:

- D5: S8050
- D2: S8050

Table:

LCD CS	PK	LCD LEDK
1	0	1
0	1	0

[illegible]