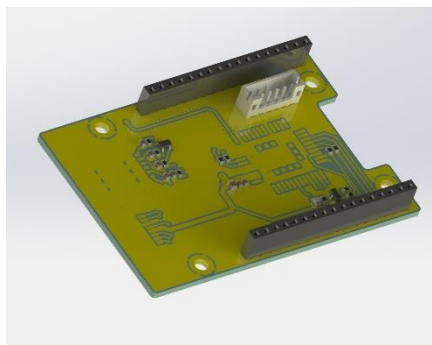


Hedy Shield



Description

The LTE shield is designed for SIM card integration, microSD card support, and various communication interfaces. Key functionalities include SIM data transfer, reset, and clock lines, alongside microSD card operations with power and signal routing. The design is spread across several sheets like I-O and POWER, detailing power distribution and input/output pin configurations. The layout ensures proper voltage regulation, grounding, and signal integrity for communication modules.

The board

Ref.	Description
H1	Mounting Hole
H2	Mounting Hole
H3	Mounting Hole
J1	Power
J2	Digital/ PWM
J3	Analog
J4	Digital/ PWM
J5	Conn_01x17
J6	Conn_01x17

Pinout

J1	Function
1	GND
2	+3.3V
3	GPIO4
4	Reset
5	GPIO6
6	GPIO7
7	GPIO15

8	GPIO16
9	GPIO17
10	GPIO18
11	GPIO8
12	GPIO3
13	GPIO46
14	GPIO9
15	+3.3V
16	GND
17	GND

J2	Function
1	RI
2	PSM_EINT
3	TXD0
4	RXD0
5	GPIO42
6	GPIO41
7	DAT1
8	DAT0
9	CLK
10	CMD
11	DAT3/CD
12	DAT2
13	GPIO0
14	GPIO45
15	GPIO48
16	GPIO47
17	+5V

J3	Function
1	VCC
2	RST
3	CLK
4	GND
5	VPP
6	/
7	/O
SH	SH

J4	Function
1	+3.3V
2	Reset
3	TXD_DBG
4	RXD_DBG
5	BOOT

6	GND
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J5	Function
1	GND
2	DAT3/CD
3	CMD
4	+3.3V
5	CLK
6	GND
7	DAT0
8	DAT1