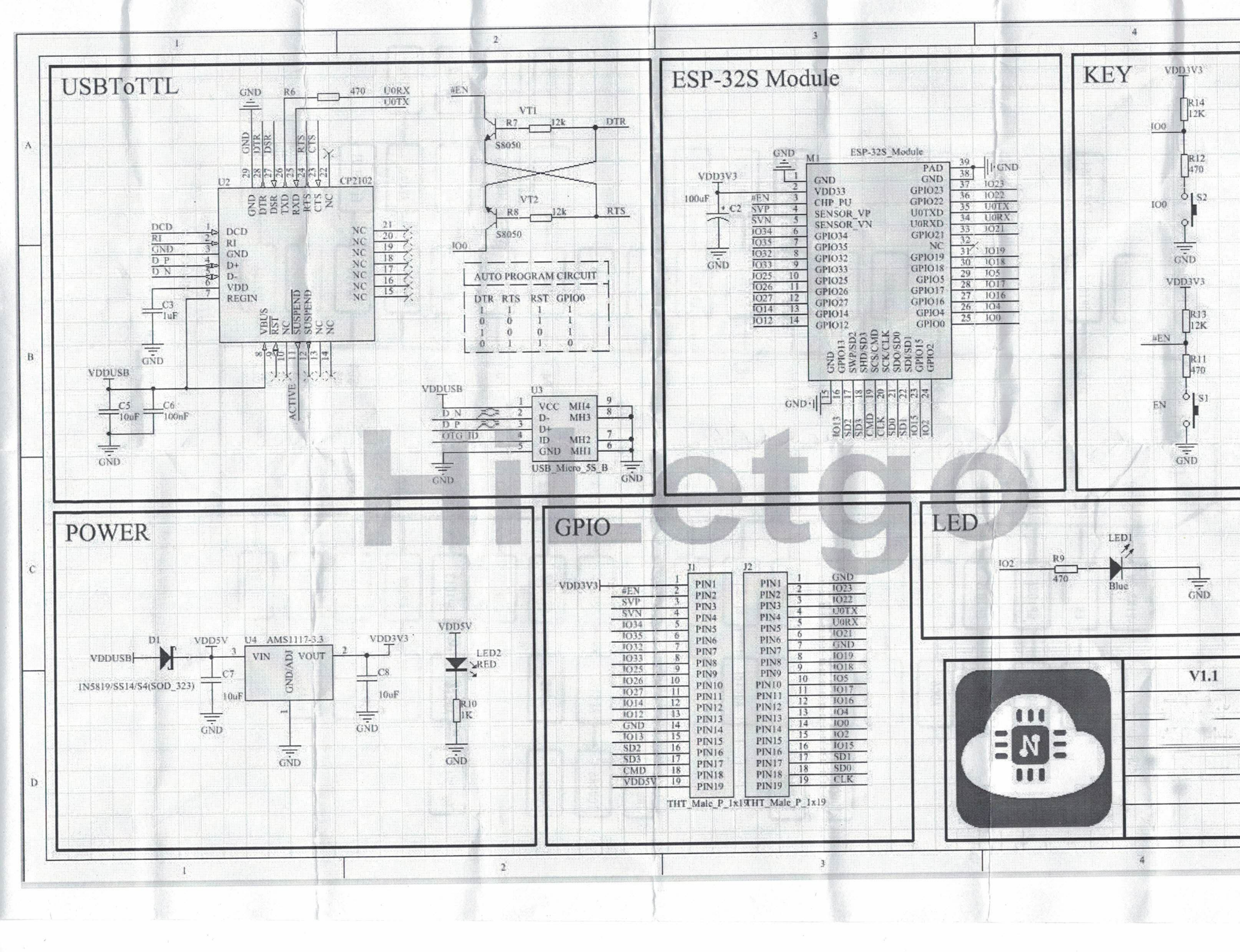
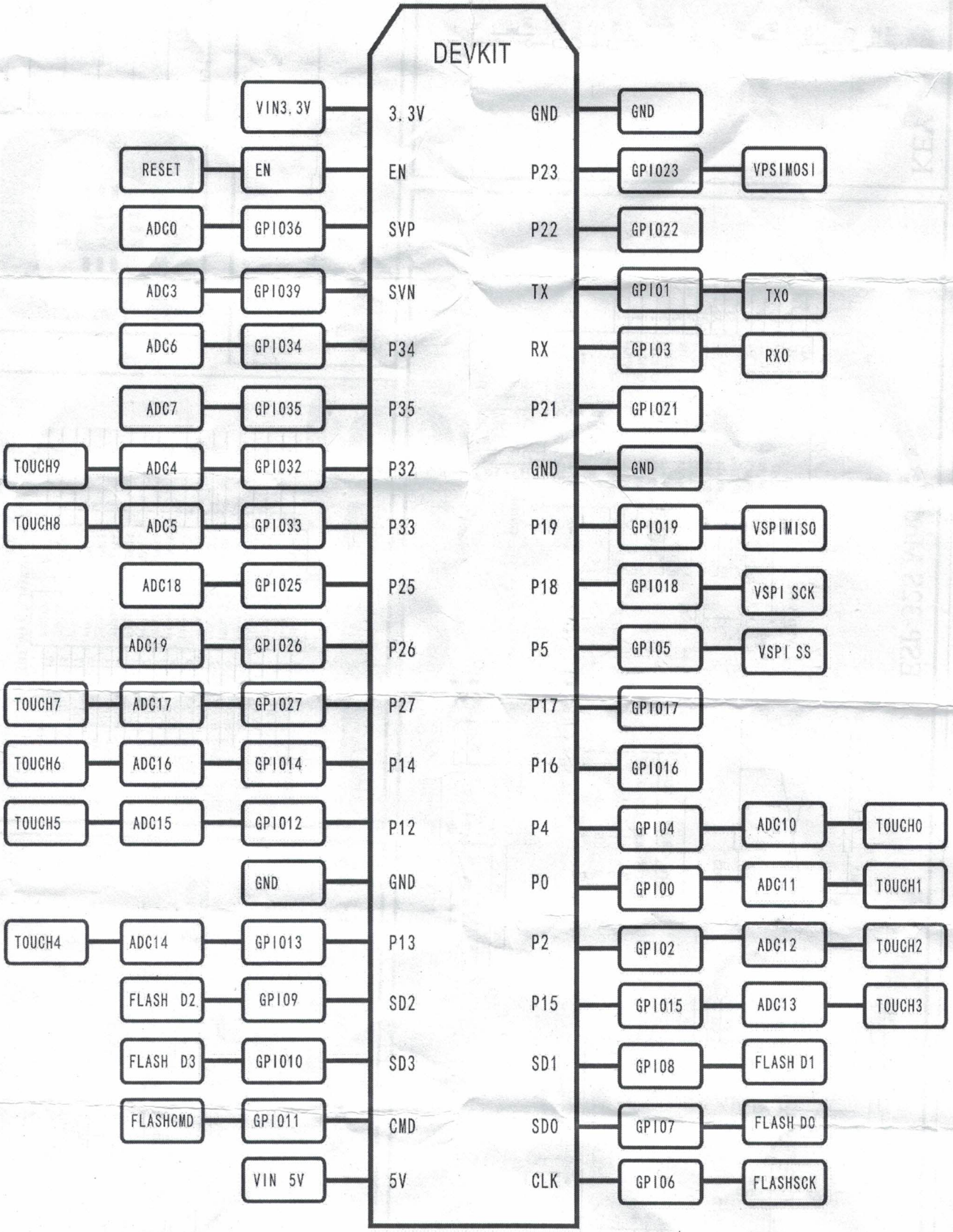

USBToTTL
U2
CP2102
R6
470
U0RX
U0TX
VT1
VT2
R7
R8
12k
S8050
DTR
RTS
#EN
IO0
AUTO PROGRAM CIRCUIT
DTR RTS RST GPIO0
1 1 1 1
0 0 1 1
1 0 0 1
0 1 1 0
C3
1uF
VDDUSB
C5
10uF
C6
100nF
ACTIVE
U3
USB_Micro_5S_B
ESP-32S Module
M1
ESP-32S_Module
VDD3V3
100uF
C2
GND
PAD
GND
VDD33
CHP_PU
SENSOR_VP
SENSOR_VN
GPIO34
GPIO35
GPIO32
GPIO33
GPIO25
GPIO26
GPIO27
GPIO14
GPIO12
GPIO23
GPIO22
U0TXD
U0RXD
GPIO21
GPIO19
GPIO18
GPIO5
GPIO17
GPIO16
GPIO4
GPIO0
GPIO13
SWP/SD2
SHD/SD3
SCS/CMD
SCK/CLK
SDO/SD0
SDI/SD1
GPIO15
GPIO2
KEY
R14
12K
R12
470
S2
R13
12K
R11
470
S1
EN
POWER
D1
1N5819/SS14/S4(SOD_323)
VDD5V
U4
AMS1117-3.3
VIN
VOUT
GND/ADJ
VDD3V3
C7
10uF
C8
10uF
LED2
RED
R10
1K
GPIO
J1
J2
THT_Male_P_1x19
LED
LED1
R9
470
Blue
V1.1


DEVKIT
VIN3.3V
3.3V
GND
GND
RESET
EN
EN
P23
GPIO23
VPSIMOSI
ADC0
GPIO36
SVP
P22
GPIO22
ADC3
GPIO39
SVN
TX
GPIO1
TX0
ADC6
GPIO34
P34
RX
GPIO3
RX0
ADC7
GPIO35
P35
P21
GPIO21
TOUCH9
ADC4
GPIO32
P32
GND
GND
TOUCH8
ADC5
GPIO33
P33
P19
GPIO19
VSPIMISO
ADC18
GPIO25
P25
P18
GPIO18
VSPI SCK
ADC19
GPIO26
P26
P5
GPIO5
VSPI SS
TOUCH7
ADC17
GPIO27
P27
P17
GPIO17
TOUCH6
ADC16
GPIO14
P14
P16
GPIO16
TOUCH5
ADC15
GPIO12
P12
P4
GPIO4
ADC10
TOUCH0
GND
GND
P0
GPIO0
ADC11
TOUCH1
TOUCH4
ADC14
GPIO13
P13
P2
GPIO2
ADC12
TOUCH2
FLASH D2
GPIO9
SD2
P15
GPIO15
ADC13
TOUCH3
FLASH D3
GPIO10
SD3
SD1
GPIO8
FLASH D1
FLASHCMD
GPIO11
CMD
SD0
GPIO7
FLASH D0
VIN 5V
5V
CLK
GPIO6
FLASHSCK