CUT ON DOTTED LINE

ESP-WROOM-32

3.3V	1	38	GND
EN	2	37	GIOP23	VSPI MOSI
RESET		36	GIOP22	I2C SCL
ADC0	GIOP36	3	35	GIOP1	TX0
ADC3	GIOP39	4	34	GIOP3	RX0
ADC6	GIOP34	5	33	GIOP21	I2C SDA
ADC7	GIOP35	6	32	GND
TOUCH9	ADC4	GIOP32	7	31	GIOP19	VSPI MISO
TOUCH8	ADC5	GIOP33	8	30	GIOP18	VSPI SCK
DAC1	ADC18	GIOP25	9	29	GIOP5	VSPI SS
DAC2	ADC19	GIOP26	10	28	GIOP17	TX2
TOUCH7	ADC17	GIOP27	11	27	GIOP16	RX2
TOUCH6	ADC16	GIOP14	12	26	GIOP4	ADC10	TOUCH0
TOUCH5	ADC15	GIOP12	13	25	GIOP0	ADC11	TOUCH1
GND	14	24	GIOP2	ADC12	TOUCH2
TOUCH4	GIOP13	15	23	GIOP15	ADC13	TOUCH3
RX1	FLASH D2	GIOP9	16	22	GIOP8	FLASH D1
TX1	FLASH D3	GIOP10	17	21	GIOP7	FLASH D0
FLASH CMD	GIOP11	18	20	GIOP6	FLASH CK
	Vin 5V	19	20	

EN IO0

ESP32-WROOM-32 U?

VDD 2
3 EN
4 SENSOR_VP TXD0/IO1 35
5 SENSOR_VN IO2 24
RXD0/IO3 34
IO4 26 Blue_0
IO5 29 Blue_1
IO12 14
IO13 16 LV_RTS
IO14 13
IO15 23 VSync
IO16 27 LV_RX
IO17 28 LV_TX
IO18 30 Green_0
IO19 31 Green_1
IO21 33 Red_0
IO22 36 Red_1
IO23 37 HSync
21 SDO/SD0 IO25 10
22 SDI/SD1 IO26 11 10 Clk_transistor
17 SHD/SD2 IO27 12 11 Dat_transistor
18 SWP/SD3 IO32 8 7 Dat_keyboard
20 SCK/CLK IO33 9 8 Clk_keyboard
19 SCS/CMD IO34 4
IO35 7 6 LV_CTS
GND 1

J1 VGA_Output

Rr1 400R
Red_1
Rr0 800R
Red_0
Rg1 400R
Green_1
Rg0 800R
Green_0
Rb1 400R
Blue_1
Rb0 800R
Blue_0

HSync
VSync

+5V

DCE (Data communication equipment)
Peripheral.

U? MAX232

C? 1uF
C1+ VCC 16
C2+ 4
C? 1uF C? 1uF
C1- C2- 5
3
VS+ 2
VS- 6
HV_RTS 11 T1IN T1OUT 14
HV_TX 10 T2IN T2OUT 7
HV_CTS 12 R1OUT R1IN 13
HV_RX 9 R2OUT R2IN 8
LOGIC GND RS232 15

J2 RS232

DTR

DCD

+5V
DCD 1
DTR 2 J13
3 ManageDTR

J? Mini-DIN-6

+5V +3.3V
Rps? 2K Rps? 2K

Clk_transistor
Dat_transistor

Rps? 120R Clk_keyboard
Rps1 120R Dat_keyboard

Q? BC547
Q? BC547

+3.3V +5V
Rc? 10K Rc? 10K
LV_CTS Q? BSS138 HV_CTS

+3.3V +5V
Rc? 10K Rc? 10K
LV_RTS Q? BSS138 HV_RTS

+3.3V +5V
Rc1 10K Rc? 10K
LV_TX Q? BSS138 HV_TX

+3.3V +5V
Rc? 10K Rc? 10K
LV_RX Q? BSS138 HV_RX

J? Barrel_Jack_Switch

U? L7805
1 IN OUT 3 +5V
GND 2
C? 10uF C? 10uF