

USB to Serial Converter with auto-reset for ESP32 and ext LDO

Component List:

- J1: Link
- J2: Standard
- J3: USB_C_Receptacle_USB2.0
- J4: Conn_01x08
- J5: Conn_01x08
- U1: LR1107
- U2: USBLC6-2P6
- U3: CP2102N-A01-GQFN28
- S1: Pushbutton
- R1: 1M
- R2: 5K1
- R3: 5K1
- R4: 22.1K
- R5: 47.5K
- R10: 1K
- R11: 1K
- R12: 1K
- R13: 1K
- R14: 1K
- C1: 4.7nF
- C2: 1uF
- C3: 10uF
- C4: 1uF
- C5: 10uF
- C6: 0.1uF
- D1: PWR
- D2: TX
- D3: RX
- Q1A: UMH3N
- Q1B: UMH3N

Pinout Table:

Pin	Signal	Pin	Signal
1	EN	11	SUSPEND
2	IO0	12	SUSPEND
3	RXD	13	CHREN
4	TXD	14	CHRO
5	GND	15	CHR1
6	+3V3	16	GPIO3
7	GND	17	GPIO2
8	GND	18	GPIO1
9	GND	19	GPIO0
10	GND	20	GPIO6
11	GND	21	GPIO5
12	GND	22	GPIO4
13	GND	23	CTS
14	GND	24	RTS
15	GND	25	RXD
16	GND	26	TXD
17	GND	27	DSR
18	GND	28	DTR
19	GND	29	DCD
20	GND	30	RI
21	GND	31	RI/CLK
22	GND	32	RI/CLK
23	GND	33	RI/CLK
24	GND	34	RI/CLK
25	GND	35	RI/CLK
26	GND	36	RI/CLK
27	GND	37	RI/CLK
28	GND	38	RI/CLK
29	GND	39	RI/CLK
30	GND	40	RI/CLK
31	GND	41	RI/CLK
32	GND	42	RI/CLK
33	GND	43	RI/CLK
34	GND	44	RI/CLK
35	GND	45	RI/CLK
36	GND	46	RI/CLK
37	GND	47	RI/CLK
38	GND	48	RI/CLK
39	GND	49	RI/CLK
40	GND	50	RI/CLK
41	GND	51	RI/CLK
42	GND	52	RI/CLK
43	GND	53	RI/CLK
44	GND	54	RI/CLK
45	GND	55	RI/CLK
46	GND	56	RI/CLK
47	GND	57	RI/CLK
48	GND	58	RI/CLK
49	GND	59	RI/CLK
50	GND	60	RI/CLK
51	GND	61	RI/CLK
52	GND	62	RI/CLK
53	GND	63	RI/CLK
54	GND	64	RI/CLK
55	GND	65	RI/CLK
56	GND	66	RI/CLK
57	GND	67	RI/CLK
58	GND	68	RI/CLK
59	GND	69	RI/CLK
60	GND	70	RI/CLK
61	GND	71	RI/CLK
62	GND	72	RI/CLK
63	GND	73	RI/CLK
64	GND	74	RI/CLK
65	GND	75	RI/CLK
66	GND	76	RI/CLK
67	GND	77	RI/CLK
68	GND	78	RI/CLK
69	GND	79	RI/CLK
70	GND	80	RI/CLK
71	GND	81	RI/CLK
72	GND	82	RI/CLK
73	GND	83	RI/CLK
74	GND	84	RI/CLK
75	GND	85	RI/CLK
76	GND	86	RI/CLK
77	GND	87	RI/CLK
78	GND	88	RI/CLK
79	GND	89	RI/CLK
80	GND	90	RI/CLK
81	GND	91	RI/CLK
82	GND	92	RI/CLK
83	GND	93	RI/CLK
84	GND	94	RI/CLK
85	GND	95	RI/CLK
86	GND	96	RI/CLK
87	GND	97	RI/CLK
88	GND	98	RI/CLK
89	GND	99	RI/CLK
90	GND	100	RI/CLK



Title: VoltLink

Rev: E

Id: 1/1