

W232N_R100.PrjPcb

2024-10-21							BOM
No	Quantity	Description	Designator	Footprint	#Column Name Error: Value	Comment	
1	25	MLCC-0402(1005)	C1, C11, C12, C13, C14, C15, C16, C17, C18, C28, C30, C31, C32, C33, C34, C35, C36, C37, C42, C43, C44, C45, C46, C47, C49	CAP-0402		100nF	
2	3	MLCC-0402(1005)	C2, C50, C51	CAP-0402		15pF	
3	1	MLCC-1210(3225)	C3	CAP-1210		4.7uF/100V	
4	2	MLCC-1206(3216)	C4, C5	CAP-1206		22uF/10V	
5	1	MLCC-0603(1608)	C6	CAP-0603		1uF	
6	1	MLCC-0603(1608)	C7	CAP-0603		10uF/10V	
7	3	MLCC-1808(4520)	C10, C19, C24	CAP-1808		1nF/2kV	
8	2	MLCC-0402(1005)	C20, C23	CAP-0402		6.8nF	
9	1	MLCC-0402(1005)	C21	CAP-0402		22nF	
10	5	MLCC-0402(1005)	C22, C29, C39, C40, C41	CAP-0402		2.2uF/6.3V	
11	2	MLCC-0402(1005)	C25, C26	CAP-0402		10nF	
12	3	MLCC-0603(1608)	C27, C8, C9	CAP-0603		4.7uF/6.3V	
13	2	MLCC-0603(1608)	C38, C48	CAP-0603		10uF/6.3V	
14	2	MLCC-0402(1005)	C52, C53	CAP-0402		18pF	
15	2	Schottky Diode	D1, D2	SODFL3718X108N		SS1FN6HM3/H	
16	1	TVS Diode	D3	DO-214AA/SMB(TVS)		SMBJ36CA	
17	1	TVS Diode	D5	DO-214AA/SMB(TVS)		SMBJ58CA	
18	1	TVS Diode	U5	SOT95P280X145-6N		TPD4S009DBVR	
19	3	LED 3MM HIGH EFF GREEN	D6, D7, D8	KLH-117G		GREEN	
20	1	LED 3MM HIGH EFF GREEN	D4	KLH-117R		RED	
21	1	Buck regulator	IC1	XC9135B18CDRG		XC9702A75CDR-G	
22	1	Digital isolator	IC2	SOIC127P1030X265-16N		ISO6763DWR	
23	1	Connector	J1	ECH381R-03P		Terminal_Blocks	
24	1	D-SUB-9, MALE, Right Angle	J2	D-SUB9-MALE		D-SUB9-MALE	DS1037-09M
25	1	Connector	J3	Pin-Header(DIP)_4x1_2.54mm		Pin Header Dip 4x1_2.54mm	
26	1	Connector	J4	Pin-Header(DIP)_7x1_2.0mm		Pin Header 7x1_2.0mm	
27	1	Inductor	L1	4.0 x 4.0 (mm)		YCDM4020AT-220M	
28	1	SMD IND 1008(2520)	L2	YCDA252012T-6R8M		6.8uH	
29	1	Inductor 0603(1608)	L3	IND-0603		HH-1M1608-121JT	
30	1	DC-JACK 2pi	P1	DC-JACK 2pi		DC-005-2PHI	
31	1	PoE RJ45	P2	RB1-ZZ-0470 TRJ4284BHNL		RB1-ZZ-0470 TRJ4284BHNL	
32	1	Chip Resistor 0402(1005)	R1	RES-0402		10R	
33	6	Chip Resistor 0402(1005)	R2, R3, R13, R14, R25, R39	RES-0402		1K	
34	1	Chip Resistor 0402(1005)	R4	RES-0402		680k/1%	

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35	6	Chip Resistor 0402(1005)	R5, R19, R20, R40, R43, R44	RES-0402		330R
36	1	Chip Resistor 0402(1005)	R6	RES-0402		200k/1%
37	10	Chip Resistor 0402(1005)	R7, R8, R9, R10, R11, R12, R31, R32, R33, R34	RES-0402		3R3
38	4	Chip Resistor 0402(1005)	R15, R28, R29, R30	RES-0402		NC
39	2	Chip Resistor 0402(1005)	R16, R17	RES-0402		27R
40	1	Chip Resistor 0402(1005)	R18	RES-0402		10R 1%
41	1	Chip Resistor 0402(1005)	R21	RES-0402		200R
42	3	Chip Resistor 0402(1005)	R22, R23, R24	RES-0402		0R
43	4	Chip Resistor 0402(1005)	R26, R27, R36, R37	RES-0402		49.9R 1%
44	1	Chip Resistor 0402(1005)	R35	RES-0402		12.4K 1%
45	1	Chip Resistor 0402(1005)	R38	RES-0402		4.7K
46	1	Chip Resistor 0402(1005)	R42	RES-0402		1M
47	2	Chip Resistor 1206(3216)	R41,R45	RES-1206		NC
48	1	Slide Switch	SW1	ITS-12H		ITS-12H
49	1	IT-1102VA-3.85MM	SW2	IT-1102VA		IT-1102VA (SSI-10 S/T)
50	3	SMD TACT SWITCH	SW3, SW4, SW5	1188		1188(SMD)
51	1	Isolate DCDC	U1	IB05_XT-W75R3		B0303XT-1WR3
52	1	POE Module	U2	WIZPoE		NC
53	1	3-Driver/3-Receiver RS232 Transceiver	U3	QFN24(0.5/4X4)		XR32330EBERTR-F
54	1	WIZnet Hardwired TCP/IP Chip	U4	QFN68(0.4/8X8)		W55RP20
55	1	X-tal 12MHz,3.2x2.5 SMD, CL=20pF	Y1	3225 12Mhz		LCBMC30-12.000-18D(18PF)
56	1	X-tal 25MHz,3.2x2.5 SMD, CL=18pF	Y2	3225 25Mhz		LCBMC30-25.000-18D(18PF)
57	1	terminal block plug		EC381V-03P		Terminal_Block_Plug