



L 6235 EVALUATION BOARD

1 Revision: 2.1

Bill Of Materials

Item	Quantity	Reference	Part
1	2	CN1,CN2	CON 2 PINS
2	1	CN3	CON 3 PINS
3	1	CN4	CON 34 PINS
4	1	CN5	CON 5 PINS
5	1	C1	Kemet Electronics 220nF/100V CER
6	1	C2	Siemens Matsushita 220nF/100V POLIEST
7	1	C3	Panasonic FA 100uF/63V
8	1	C4	Siemens Matsushita 10nF/100V CER
9	1	C5	Panasonic KG 10uF/16V
10	1	C6	33nF
11	1	C7	1nF
12	1	C8	820pF
13	1	C9	10nF
14	1	C10	220nF
15	1	C11	68nF
16	1	C12	100nF
17	2	D1,D2	1N4448
18	1	D3	Zener BZX79C5V1
19	2	JP1,JP2	JUMPER
20	1	R1	700ohm 0.6W
21	6	R2,R3,R4,R7,R8,R9	10k 5% 0.25W
22	1	R5	100 5% 0.25W
23	2	R15,R6	1k 0.25W
24	2	R11,R10	Spectrol74W 100k
25	3	R12,R13,R14	1OHM 0,4W
26	1	R16	1M
27	1	R17	20k 1% 1/4W
28	1	R18	4.7k 0.25W
29	1	R19	5.6k 1% 0.25W
30	1	R20	2.2k
31	1	R21	1.8k 1% 0.25W
32	1	R22	Spectrol74W 5k
33	1	S1	quad SW 2pos
34	1	U1	L6235N
35	1	U2	LM358

Important Notes

- JP1 : close for use with PractiSPIN ST7 board
- JP2 : close for use with PractiSPIN ST7 board
- C6 : recommended change to 5.6nF for safe Overcurrent protection
- R2 : recommended change to 100k for safe Overcurrent protection
- R6 : recommended change to 100k (and remove R2) if EN pin is driven from the CN4 connector (for example with PractiSPIN ST7 board), for safe Overcurrent protection
- R22 : set the maximum current obtainable through PractiSPIN (see PractiSPIN documentation)
- R1 : recommended change to adequate value (depending on supply voltage) to obtain 5V across D3
- S1 : switch first switch in TRQ position for use with PractiSPIN ST7 board