



L6229PD EVALUATION BOARD
Revision: 2.1
Bill Of Materials

Item	Quantity	Reference	Part
1	2	CN1, CN2	CON 2 pin
2	1	CN3	MORSETTO 3 pin
3	1	CN4	CON 34 pin
4	1	CN5	strip 5 pin
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	1	D1	Bat46SW
18	1	D3	Zener BZX284C5V1
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	0 ohm SMD
23	1	R6	1k 5% 0. 25W
24	2	R11, R10	Spectrol 74W 100k
25	2	R12	0. 4 Ohm 1W 1%
26	1	R15	1k 0. 25W
27	1	R16	1M
28	1	R17	20k 1%
29	1	R18	4. 7k 0. 25W
30	1	R19	5. 6k 1% 0. 25W
31	1	R20	2. 2k ohm
32	1	R21	1k 1% 0. 25W
33	1	R22	Spectrol 74W 5k
34	1	S1	quadruplo SW 2pos1via
35	1	U1	L6229PD
36	1	U2	LMB58

Important Notes

- JP1, 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