

L 6206PD EVALUATION BOARD

1 Revision: 2.1

Bill Of Materials

Item	Quantity	Reference	Part
1	4	CN1,CN2,CN3,CN4	CON 2 pins
2	1	CN5	CON34 pins
3	1	C1	Kemet Electronics 220nF/100V CER
4	1	C2	Siemens Matsushita 220nF/100V POLIEST
5	1	C3	Panasonic FA 100uF/63V
6	1	C4	Siemens Matsushita 10nF/100V CER
7	3	C5,C8,C10	Panasonic KG 10uF/16V
8	2	C7,C6	100n
9	2	C9,C13	68nF SMD
10	1	C11	100nF SMD
11	2	C12,C15	470pF SMD
12	1	C14	2.2nF
13	1	D1	Bat46SW
14	1	D2	Zener BZX79C5V1
15	1	JP1	JUMPER 3x1
16	6	JP2,JP3,JP4,JP5	JUMPER
17	1	R1	Res. 750ohm 1% 0.6W
18	3	R2,R3,R26	10k 5% 0.25W SMD
19	2	R5,R4	4.7k 5% 0.25W SMD
20	2	R7,R6	Spectrol74W 50k
21	4	R8,R9,R10,R11	0.4 Ohm 1W 1% DALE WSL-2512
22	2	R12,R19	20k 1% SMD
23	4	R13,R14,R17,R20	2.2k ohm SMD
24	2	R15,R18	750 ohm SMD
25	2	R16,R22	Spectrol74W 5k
26	2	R23,R21	1k SMD
27	1	R24	12k 0.25W
28	1	R25	Spectrol74W 50k
29	1	U1	L6206PD
30	1	U2	L6506 so20

Important Notes

JP1 : close in INT position for use with PractiSPIN ST7 board

C6, C7 : recommended change to 5.6nF for safe Overcurrent protection

R2, R3 : recommended change to 100k for safe Overcurrent protection

R4, R5 : recommended change to 100k if EN pins are driven

from the CN5 connector (for example with PractiSPIN ST7 board), for safe Overcurrent protection

R16, 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 D2

JP2, JP3 close to allow OverCurrent Protection

JP4, JP5: close for on-board OCD threshold programming through R7, R8

CN5 : VrefA and VrefB positions are inverted if compared to other EVAL62XX boards.