



STMicroelectronics Industrial&Power Supply Application LAB		
Title		
L 6206 EVALUATION BOARD		
Size	Document Number	Rev
1		2.1
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L 6206 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/63
6	1	C4	Siemens Matsushita 10nF/100V CER
7	3	C5,C8,C10	Panasonic KG 10uF/16V
8	2	C7,C6	47nF
9	2	C9,C13	68nF
10	1	C11	100nF
11	2	C12,C14	470pF
12	1	C15	2.2nF
13	2	D1,D2	1N4148
14	1	D3	Zener BZX79C5V1
15	1	JP1	JUMPER 3x
16	4	JP2,JP3,JP6,JP7	JUMPER
17	2	JP5,JP4	JUMPER
18	1	R1	100 5% 0.25W
19	1	R2	700ohm 0.6W
20	3	R3,R4,R16	10k 5% 0.25W
21	2	R6,R5	4.7k 5% 0.25W
22	2	R7,R8	Spectrol74W 50k
23	6	R9,R10,R11,R12,R13,R14	1OHM 0,4W
24	2	R15,R21	2.2k 1% 0.25W
25	2	R17,R23	20k 1%
26	2	R18,R22	750 ohm 1% 0.25W
27	2	R19,R25	2.2k
28	2	R20,R26	Spectrol74W 5k
29	2	R27,R24	1k 1%
30	1	R28	12k 0.25W
31	1	R29	Spectrol74W 50k
32	1	U1	L6206N
33	1	U2	L6506

Important Notes

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

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

R3, R4 : recommended change to 100 k for safe Overcurrent protection

R5, R6 : recommended change to 100 k if EN pins

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

R20, R26 : set the maximum current obtainable through PractiSPIN (see PractiSPIN documentation)

R2 : recommended change to adequate value (depending on supply voltage) to obtain 5V across D3

JP2, JP3 : close to allow Overcurrent protection

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

JP6, JP7 : close for use with PractiSPIN ST7 board