



STMicroelectronics Industrial&Power Supply Application LAB		
Title		
L 6205 EVALUATION BOARD		
Size	Document Number	Rev
1		2.1
Date:	Tuesday, February 12, 2002	Sheet 1 of 1

L 6205 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	CON 34 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	1	C5	Panasonic KG 10uF/16V
8	2	C7,C6	100n
9	2	C8,C10	470pF
10	2	C9,C12	68nF
11	1	C11	100nF
12	1	C13	2.2nF
13	2	D1,D2	1N4148
14	1	D3	Zener BZX79C5V1
15	1	JP1	JUMPER 3x1
16	4	JP2,JP3,JP4,JP5	JUMPER
17	1	R1	100 5% 0.25W
18	1	R2	700ohm 0.6W
19	3	R3,R4,R13	10k 5% 0.25W
20	2	R6,R5	4.7k 5% 0.25W
21	6	R7,R8,R9,R10,R11,R12	1OHM 0,4W
22	2	R18,R14	1k 1%
23	2	R15,R19	20k 1%
24	2	R16,R20	2.2K ohm
25	2	R21,R17	Spectrol74W 5k
26	1	R22	12k 0.25W
27	1	R23	Spectrol74W 50k
28	1	U1	L6205
29	1	U2	L6506Dip

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

R17, R21 : 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 for safe Overcurrent protection

JP4, JP5 : close for use with PractiSPIN ST7 board