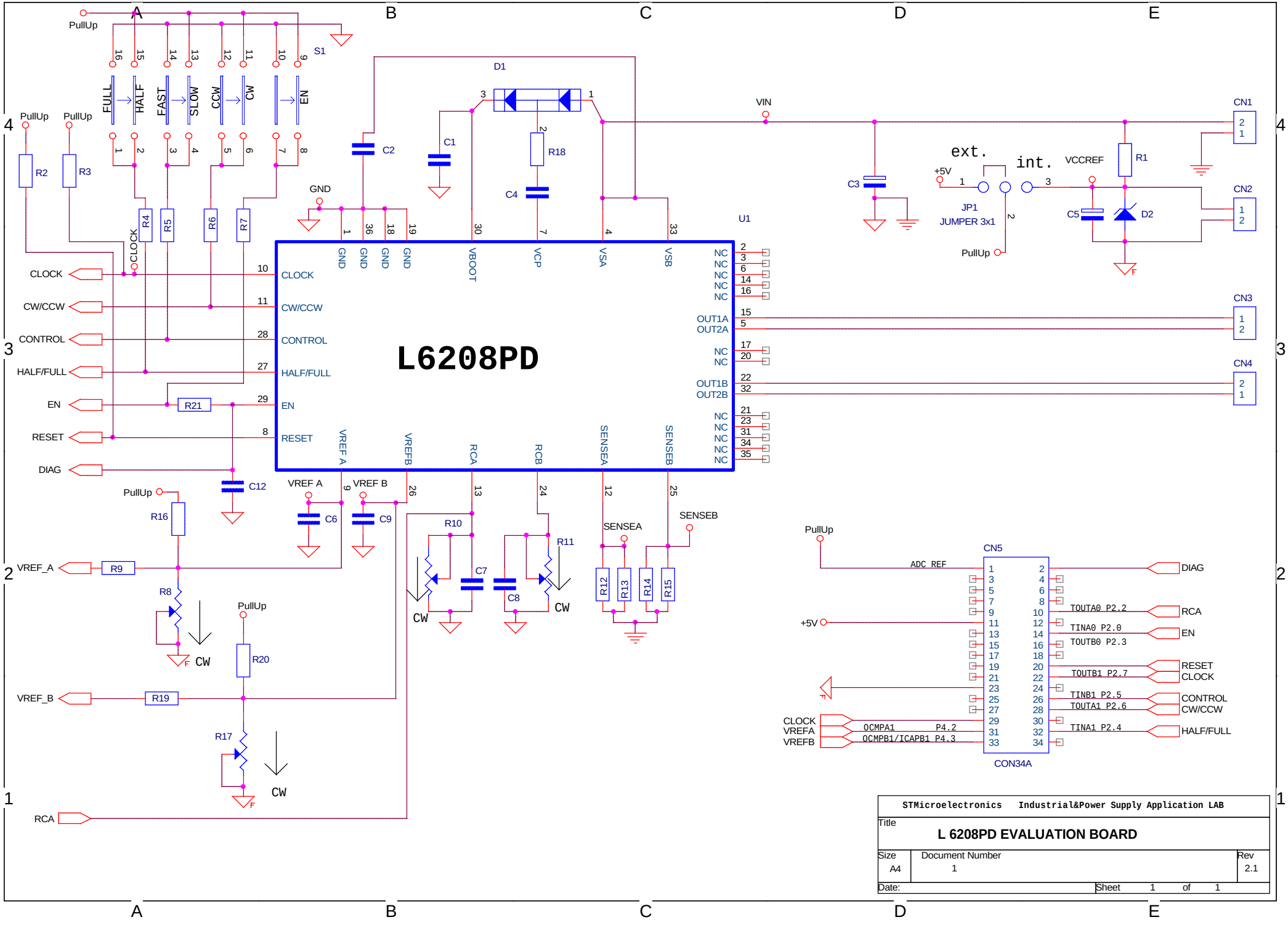
L6208PD
U1
S1
FULL
HALF
FAST
SLOW
CCW
CW
EN
D1
VIN
GND
CLOCK
CW/CCW
CONTROL
HALF/FULL
EN
RESET
DIAG
VREF_A
VREF_B
RCA
VREF A
VREF B
SENSEA
SENSEB
CW
ext.
int.
JP1
JUMPER 3x1
VCCREF
+5V
PullUp
CN1
CN2
CN3
CN4
CN5
CON34A
ADC REF
TOUTA0 P2.2
TINA0 P2.0
TOUTB0 P2.3
TOUTB1 P2.7
TINB1 P2.5
TOUTA1 P2.6
TINA1 P2.4
OCMPA1 P4.2
OCMPB1/ICAPB1 P4.3
CLOCK
VREFA
VREFB
STMicroelectronics Industrial&Power Supply Application LAB
L 6208PD EVALUATION BOARD
Size A4
Document Number 1
Rev 2.1
Date:
Sheet 1 of 1

L 6208PD 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	Siemens Matsushita 220nF/100V POLIEST
4	1	C2	Kemet Electronics 220nF/100V CER
5	1	C3	Panasonic FA 100uF/63V
6	1	C4	Siemens Matsushita 10nF/100V CER
7	1	C5	Panasonic KG 10uF/16V
8	2	C9,C6	68nF SMD
9	2	C8,C7	820pF
10	1	C12	100nF
11	1	D1	Bat46SW
12	1	D2	Zener BZX79C5V1
13	1	JP1	JUMPER 3x1
14	1	R1	Philips MRS25 3.5k 0.6W 1%
15	6	R2,R3,R4,R5,R6,R7	10k 5% 0.25W SMD
16	2	R17,R8	Spectrol74W 5k
17	2	R19,R9	2.2k ohm SMD
18	2	R10,R11	Spectrol74W 100k
19	4	R12,R13,R14,R15	0.4 Ohm 1W 1% DALE WSL-2512
20	2	R20,R16	20k 1% SMD
21	1	R18	100 ohm SMD
22	1	R21	4.7k 5% 0.25W SMD
23	1	S1	quad SW 2pos
24	1	U1	L6208PD

Important Notes
JP1 : close in INT position for use with PractiSPIN ST7 board
C12 : recommended change to 5.6nF for safe Overcurrent protection
R7 : recommended change to 100k for safe Overcurrent protection
R21 : recommended change to 100k if EN pin is driven
from the CN5 connector (for example with PractiSPIN ST7 board)
R8, R17 : 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