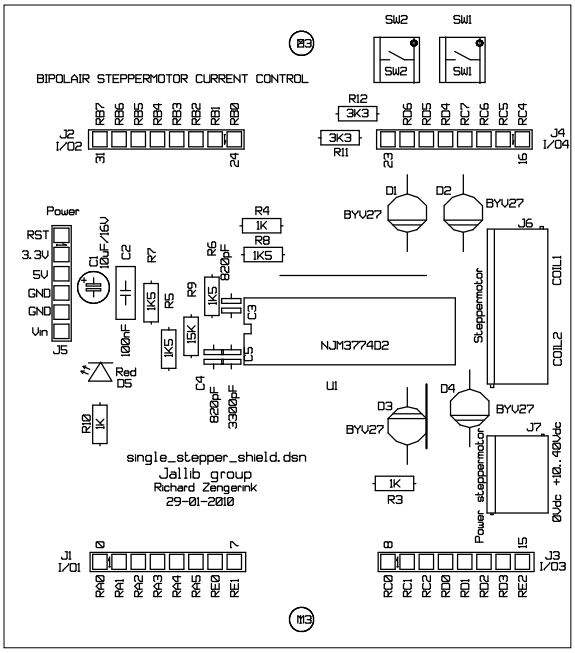
angle_stepper_shield.brd
Jalib group
Richard Zangenink
29-01-2010
C1
C2
+10..35VDC
0V


BIPOLAIR STEPPERMOTOR CURRENT CONTROL
SW2
SW1
R12
3K3
R11
3K3
J2
1/02
J4
1/04
RB7 RB6 RB5 RB4 RB3 RB2 RB1 RB0
RD6 RD5 RD4 RC7 RC6 RC5 RC4
31
24
23
16
D1
BYV27
D2
BYV27
Power
RST
3.3V
5V
GND
GND
Vin
J5
C1
10uF/16V
C2
100nF
R7
1K5
R5
1K5
R9
15K
R4
1K
R8
1K5
R6
820pF
C3
C5
C4
820pF
3300pF
NJM3774D2
U1
J6
Stepper motor
COIL1
COIL2
D3
BYV27
D4
BYV27
J7
Power stepper motor
0Vdc +10..40Vdc
R10
1K
Red
D5
R3
1K
single_stepper_shield.dsn
Jallib group
Richard Zengerink
29-01-2010
J1
1/01
J3
1/03
RA0 RA1 RA2 RA3 RA4 RA5 RE0 RE1
RC0 RC1 RC2 RD0 RD1 RD2 RD3 RE2
0
7
8
15