

Brake-By-Cable
v2.0.1

HFD3/12

2A 30VDC
0.5A 125VAC XS0223B

K1

K2

HFD3/12

2A 30VDC
0.5A 125VAC XS0223B

Motor Controller

VIN

OUTA

OUTB

GND

$C = 100\mu F$

Pololu #2991

$R = 15k\Omega$

VM

3V3

CS

nFLT

nSLP

PWM

DIR

GND

+17V Brown PresSens White

Pres Filt

R7 R6 R10 R11

R12

U2

R8

R9

D2

C5

R13

R14

Boost
Circuit

R3

L2

D1

L1

C2

C1

101

R4

R5

R2

U1

C3

C4

CS Filt

R15

R16

C6

D3

U3

R17

CS_FILT

MinJmSw

MaxJmSw