Power Supply Stage
Input Power Between 6V
up to 24V

The following project intends to be used to
control 4 types of loads (both AC and DC)
through differengs interfaces like RS232
and RJ45.

The user will be able to control the loads
using a computer to communicate with this
board

VDD

C36

C38 L8 U9

J1

U8 C37

C41 C39

GND

C40 R32

Load Controller L1

R20

U5

C33 D8

R24 K

U5

D10

C33

R22

L4

Q2

K2

J6

NC_L1
COM_L1
NO_L1

RS232 Interface
For Load Controller

Load Controller L2

R19

U4

C32 D7

R23 K

U5

D9

R21

L5

Q1

K1

J5

NC_L2
COM_L2
NO_L2

J4

C29 C27

C30

U3

C28

C31

R26
R18
R17
R16

C19

C25 C24

C22

R10 Y2

C18

C15

C20

C16 U2

R11 C17

C21

C23

R15
R14

D2

D5

R12

R13

J3

D1

D4 D3

3.3V GND
GND NC
GND RESET
NC SWO
SWCLK SWDIO

R8

Load Controller R2

R25

U6

C34 D11

R29 K

U5

D13

R27

L7

Q3

K3

J7

NC_R2
COM_R2
NO_R2

C10

U1

C3

C5

C7

C2

R7

C9

R1

C1

Y1

R6

C8

C4

R5

C11

C12

C14

R4

C6

L2

C13

R2

J2

Ethernet Interface
For Load Controller

R9

Load Controller R1

R26

U7

C35 D12

R30 K

U5

D14

R28

L6

Q4

K4

J8

NC_R1
COM_R1
NO_R1

V1.0.0 Load Controller