

113.792mm

62.865mm

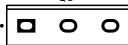
D1 KBPC5010

Q1



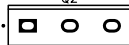
BD140

Q3



TIP36C

Q2

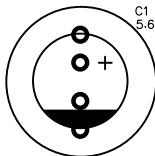


TIP36C

C1

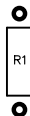


LM317

C1  
5.600uF

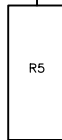
R1

10/2W



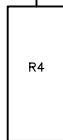
R5

450/10W



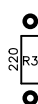
R4

0.1/15W



220

R3



C2

0.1 uF



D4

1N4007



0.1 uF



D2

1N4007



+ VCC

-VCC

P2



SAÍDA AJUSTÁVEL

R2

0.1Ω/5W



P1



Entrada CA

FVM Learning

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5k