



47µF/63V

1kZ/ZW

R5

100Ω

D2 Z15V

1000

BC327

T12

K1

10n

2N2219

C12C19C25
100n

R3

R1

C1 680µ

3V
16

-50V

15K51

1J63

1J63

1J63

78A05ZM
MSB34AP

Sz0	4	11	1
V	5	12	1

Sz0	7	14	2	8
V	1	8	15	29

Sz0	23	30
V	24	