



Vin high, Q1:ON, Q2:OFF
 S=1, R=1, Q=0
 Vin low, Q1:OFF, Q2:ON
 S=0, R=1, Q=1 (cutoff)
 S=1, R=1, Q=1 (latch)

S=1, R=0, Q=0 (initial)

S=1, R=1, Q=0

S=0, R=1, Q=1 (cutoff)

S=1, R=1, Q=1 (latch)

R12=30k/R13=7.5k Q3_Vb=12.5V(12.238~12.768V).
 Set AS431 out 12.5V(ZXTI053AK VBE=0.8~1V)
 ZXTI053AK hfe>300@1.5A, I.4A/300=4.7mA(min),
 AS431:I (R12/R13)=0.33mA; I (AK)>1mA

VREF=0.6V
 **R8=931K/R9=43.2K, TPS61288 Vout=13.53V(13.009~14.068V)
 **R11=43.2k:

(13.01~12.768)/30=8mA
 (14.068~12.238)/30=61mA, AS431 need big copper
 (14.068~12.238) x 61mA=112mW, (15ohm+15ohm) 1206

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