

$$1.10 = 12.0 \times \left( \frac{R_{81}}{R_{80} + R_{81}} \right)$$

$$\frac{R_{81}}{R_{80} + R_{81}} = .09167$$

let  $R_{80} = 133k$  (cs is)

$$R_{81} = .09167(133k) + .09167(R_{81})$$

$$R_{81} - .09167R_{81} = 12191.7$$

$$R_{81}(1 - .09167) = 12191.7$$

$$R_{81} = \frac{12191.7}{1 - .09167} = 13.422 k\Omega$$

~~✓ verify w/ std SMD 13.5k <sup>(0603)</sup>  $\sqrt{SWS} = 1.11$   
 ✓ check parallel resistance  $12k > 500\Omega$~~

$R_{81}$  to be replaced by  
 13.3k (SMD 0603)

## Ramp - up

$V_{IWS}$   
0.973 Boost unlock + on @ 7.44 V

1.23 Boost off @ 9.44 V

## Ramp Down

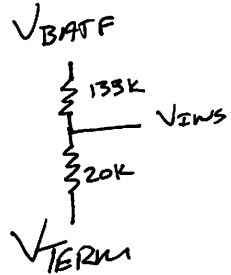
1.04 Boost on @ 7.92 V

so,  $R_s$  for 12 V<sub>BAT</sub>  
to unlock + turn on boost  
 $V_{IWS} = 1.1 V$

$$V = IR \quad I = \frac{V}{R}$$

$$R_{80} = 133 \text{ k}\Omega$$

$$R_{81} = 20 \text{ k}\Omega$$



~~$$V_{INS} = V_{BATT} \cdot \frac{133}{20}$$
  
$$= 5 \cdot \frac{133}{20}$$
  
$$=$$~~

$$V_{INS} = V_{BATT} \cdot \frac{20}{133 + 20}$$

$$= 12 \cdot \frac{20}{(133 + 20)} = 1.56$$

$$= 5 \cdot \frac{20}{(133 + 20)} = 0.65$$

$$= 9 \cdot \frac{20}{(133 + 20)} = 1.17$$

MAX/6930

AR/V 410

BTA KQAE

INS Active

3 x 1.5 x 2"

heatsink

3A fuse

Unlock  $\overset{\text{TRP}}{1.05} \rightarrow 1.1$

off 1.25  $\begin{matrix} \uparrow \\ 1.2 \end{matrix}$

on 1.15  $\downarrow$

$$1.1 \leq V_{IWS} \leq 1.15 \text{ or rly } 1.1$$

$$V_{IWS} = \text{exactly } 1.1$$