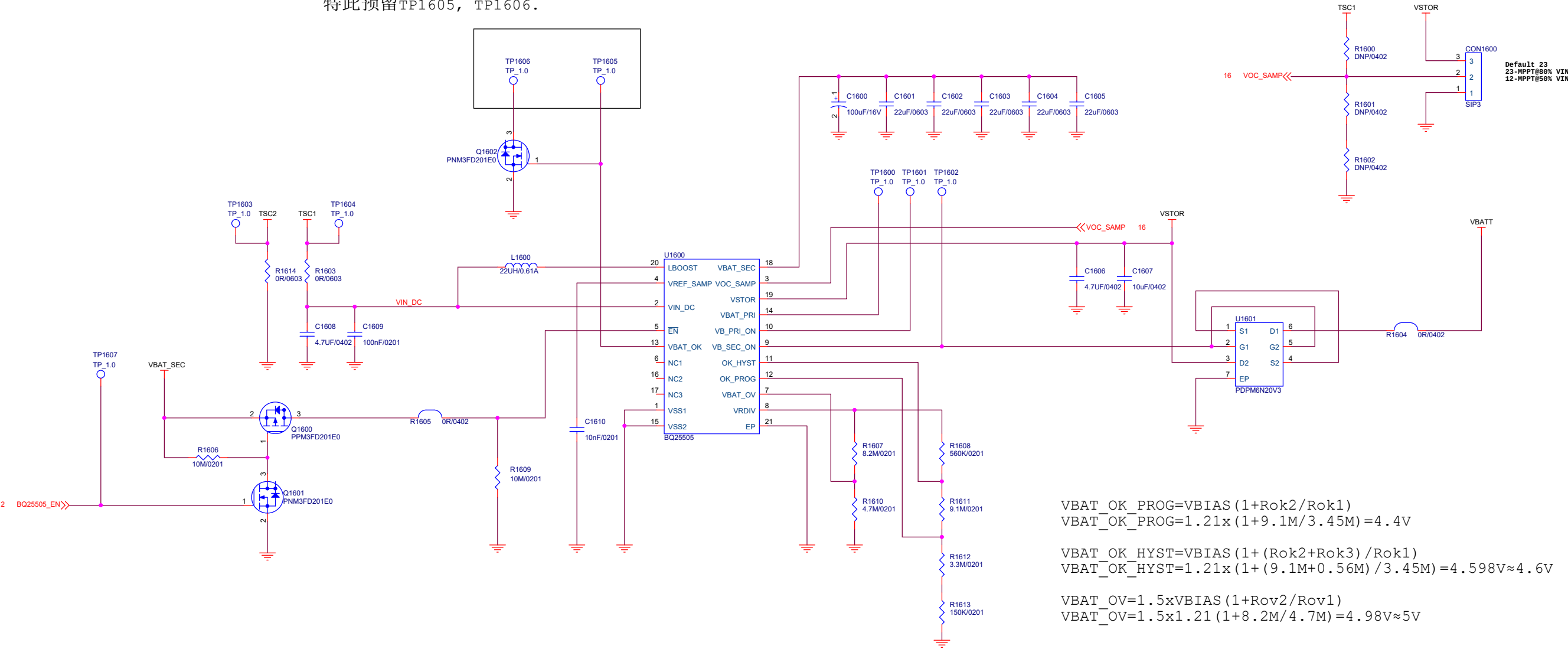


VBAT_OK在VBAT_SEC的电压高于VBAT_OK_HYST后置高,且参考电压为VSTOR, 由于MCU已经没有中断管脚了, 特此预留TP1605, TP1606.



$$\begin{aligned} \text{VBAT_OK_PROG} &= \text{VBIAS} (1 + \text{Rok2} / \text{Rok1}) \\ \text{VBAT_OK_PROG} &= 1.21 \times (1 + 9.1\text{M} / 3.45\text{M}) = 4.4\text{V} \\ \text{VBAT_OK_HYST} &= \text{VBIAS} (1 + (\text{Rok2} + \text{Rok3}) / \text{Rok1}) \\ \text{VBAT_OK_HYST} &= 1.21 \times (1 + (9.1\text{M} + 0.56\text{M}) / 3.45\text{M}) = 4.598\text{V} \approx 4.6\text{V} \\ \text{VBAT_OV} &= 1.5 \times \text{VBIAS} (1 + \text{Rov2} / \text{Rov1}) \\ \text{VBAT_OV} &= 1.5 \times 1.21 (1 + 8.2\text{M} / 4.7\text{M}) = 4.98\text{V} \approx 5\text{V} \end{aligned}$$