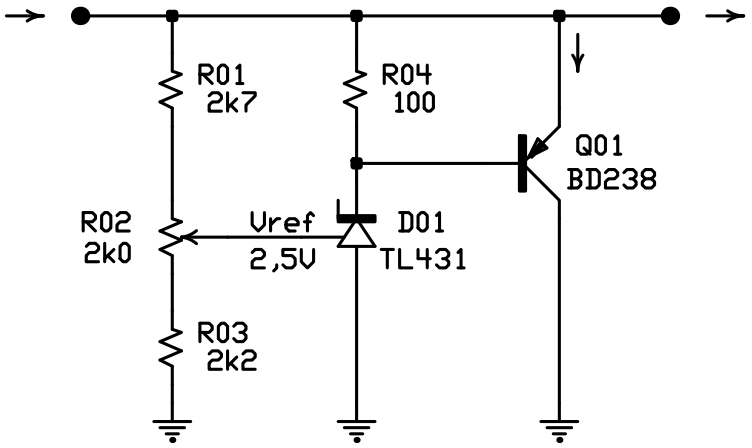
Patch Panel Limiter

$$Vlim = Vref * \left(1 + \frac{R1 + X * R2}{R3 + (1 - X) * R2} \right)$$