



$I_{led} = 10\text{mA}$, $V_f = 1.7\text{V}$
 $I_c = I_{led} \times 8\text{seg} = 80\text{mA}$
 $I_b = 1.0\text{mA}$ ($V_{ce} = 0.4\text{V}$ $V_{be} = 0.8\text{V}$ datasheet)
 $R_b = (V_{dd} - V_{be} - V_{OL}) / I_b = 2\text{k}$ $V_{OL} = 0.5\text{V}$
 $R_{led} = (V_{dd} - V_{ce} - V_f - V_{OL}) / I_{led} = 70$

8x8dot matrix LED 10pin connector (SB1602B compatible) SMD version	I2C 7segment LED	
	I2C_LED8x8_1LayTr\$md_R2	
	11/03/03 17:23	
(c)2011 Toyohiko Togashi		Sheet: 1/1