

SUBJECT:

1. EM83040A 使用外加電壓線路應用電路圖
2. 外加電壓驅動電路之電流—電壓曲線(I-V curve)

Application circuits

1. 32common * 48segment

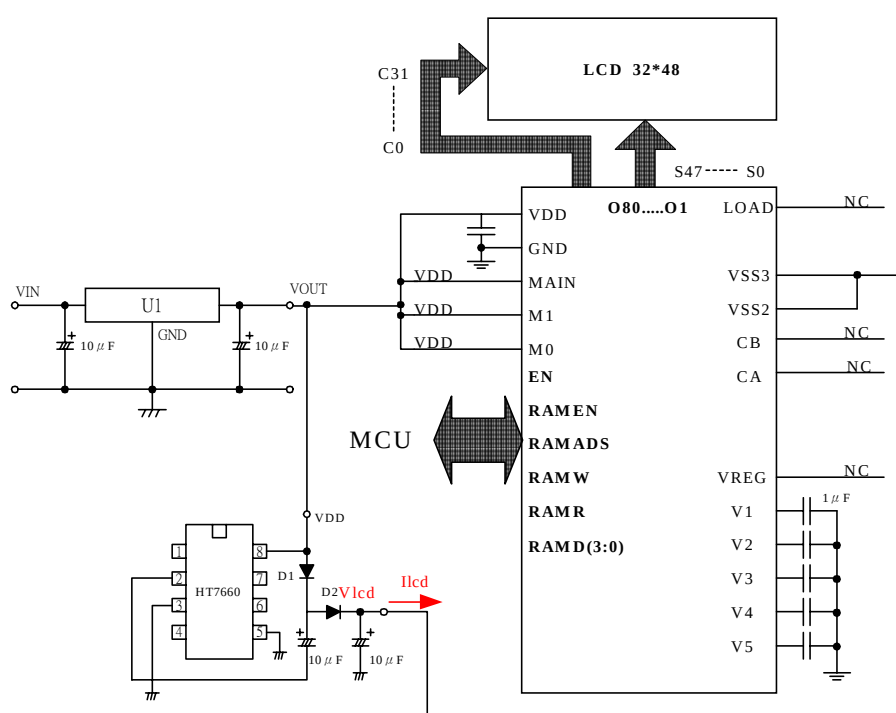


Figure 1.

2. 32common * 128segmet

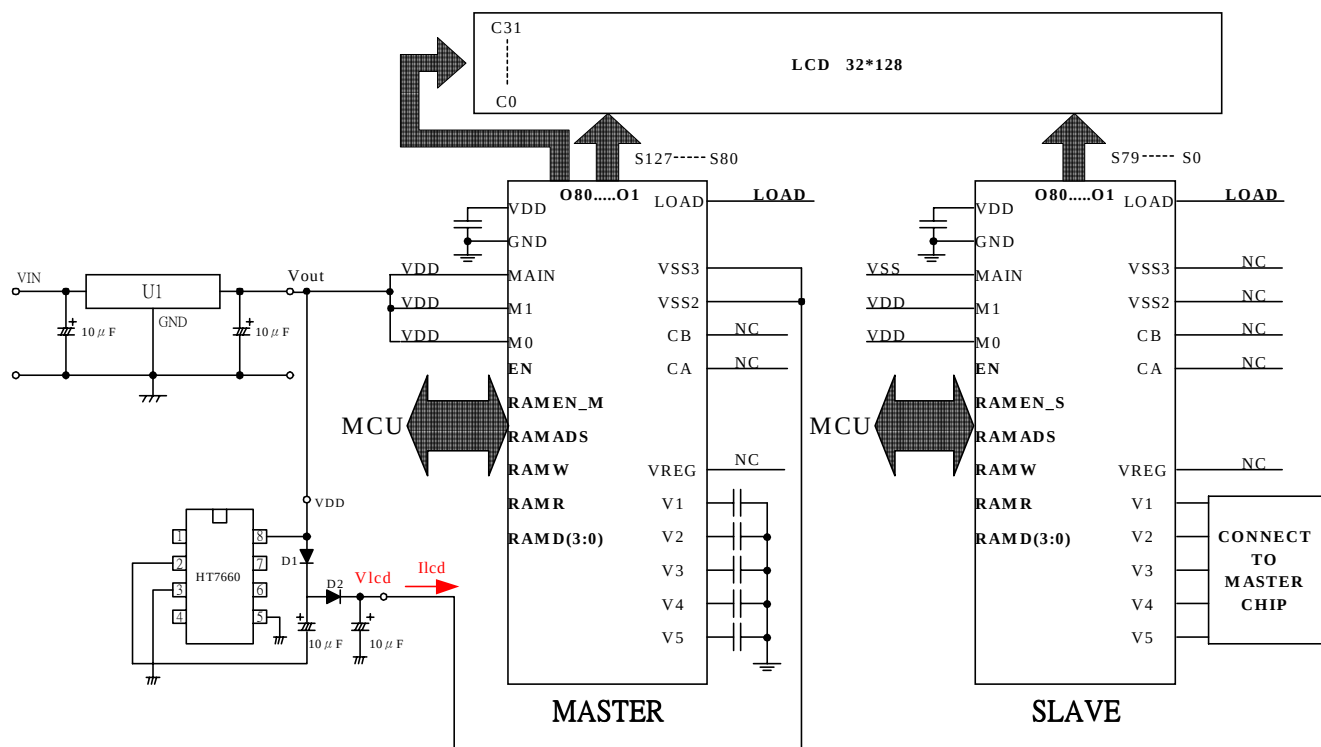


Figure 2.

3. 48common * 112 segment

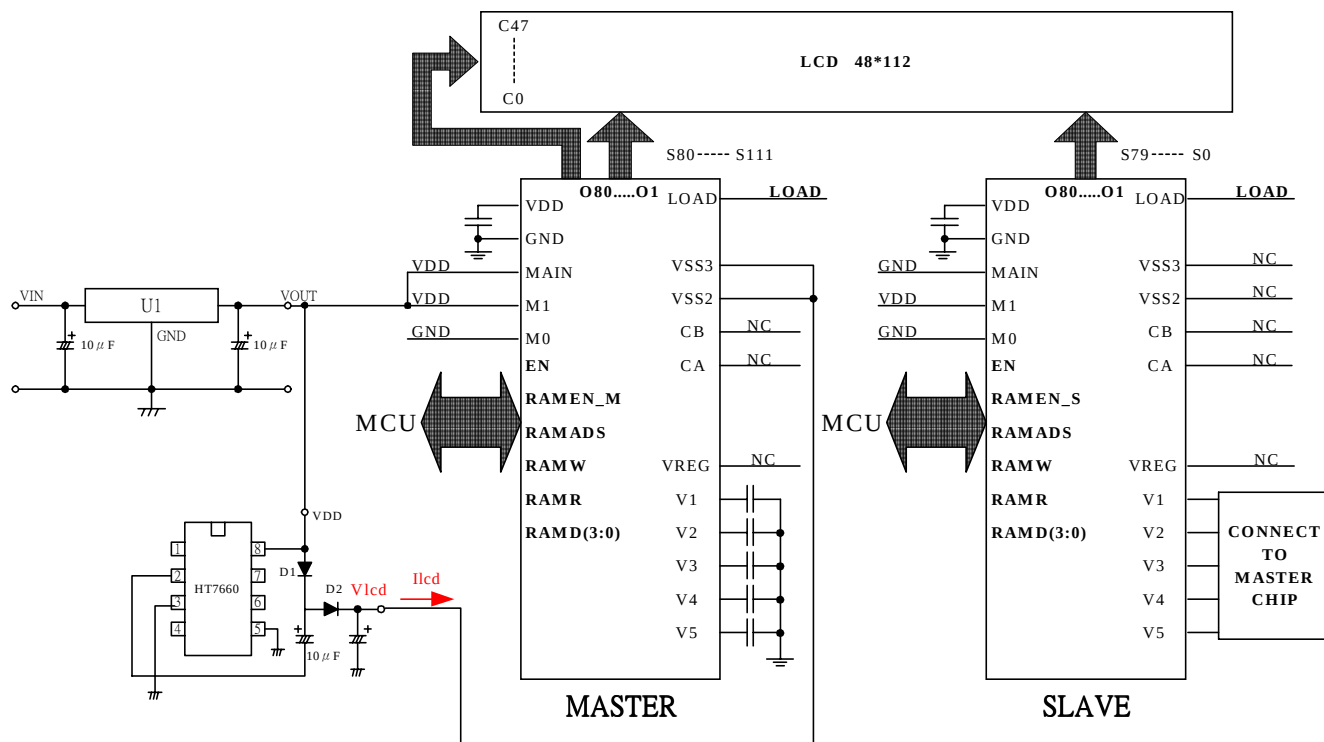


Figure 3

I-V Curve

此部分經由改變前面之應用電路裏的元件 U1,D1,D2, 配合 VIN 電壓工作範圍，可得到 6 種可供應用之電壓(V_{lcd})與驅動電流(I_{lcd})曲線，如下表所示。

Table 1

Case	VIN	U1	D1(Diode)	D2(Diode)	VOUT	Diagram
1	3.6~5 V	HT7133	1N4004	1N4004	3.3V	Figure 4
2	3.6~5V	HT7133	1N4004	1N5819	3.3V	Figure 5
3	3.6~5V	HT7133	1N5819	1N5819	3.3V	Figure 6
4	3.3~5 V	HT7130	1N4004	1N4004	3V	Figure 7
5	3.3~5 V	HT7130	1N4004	1N5819	3V	Figure 8
6	3.3~5 V	HT7130	1N5819	1N5819	3V	Figure 9

Condition: at +25°C

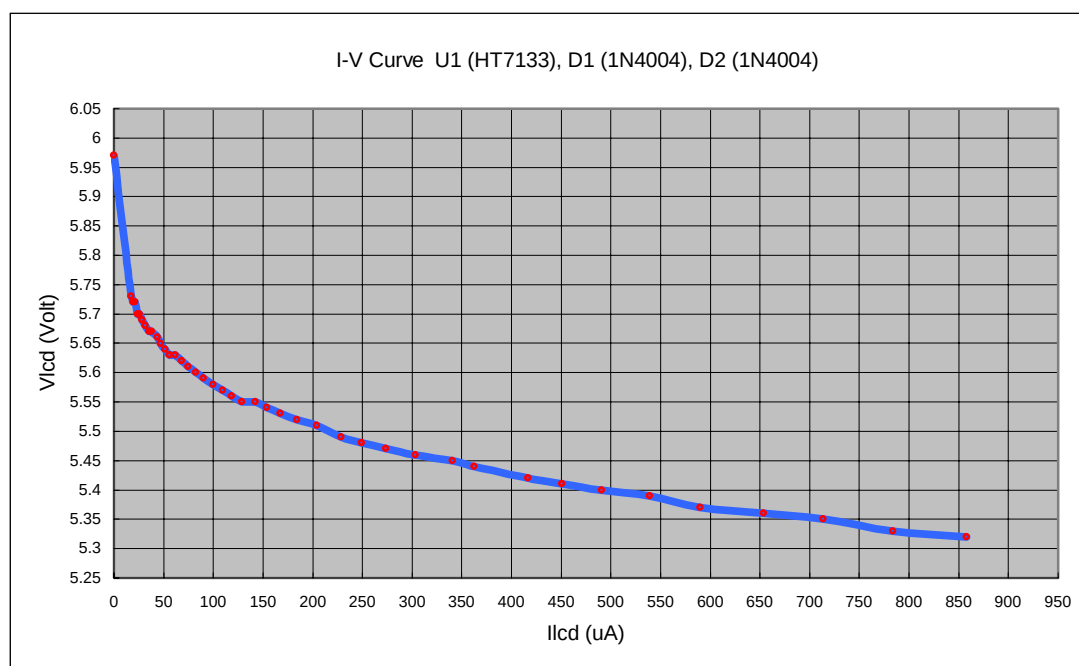


Figure 4. Case 1

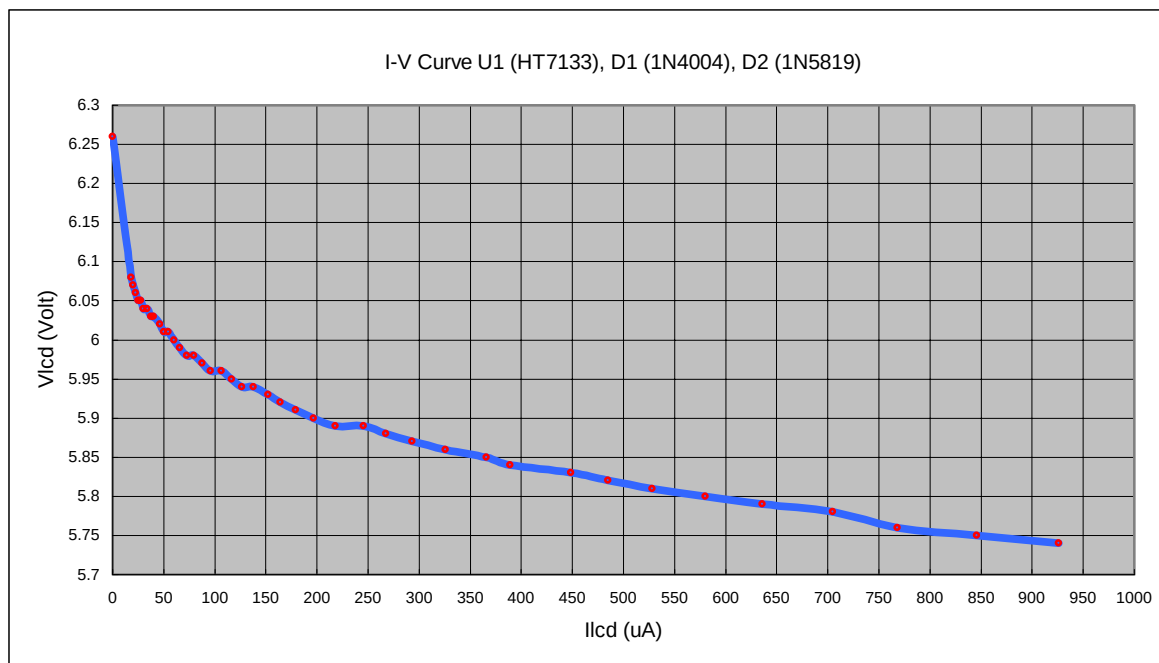


Figure 5. Case 2

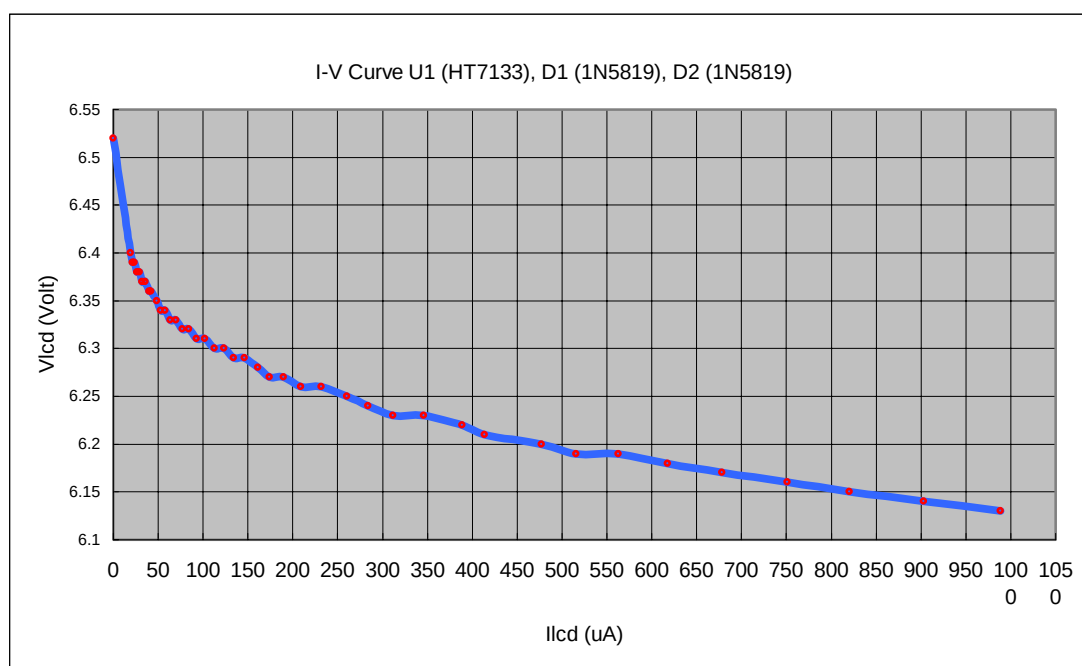


Figure 6. Case 3

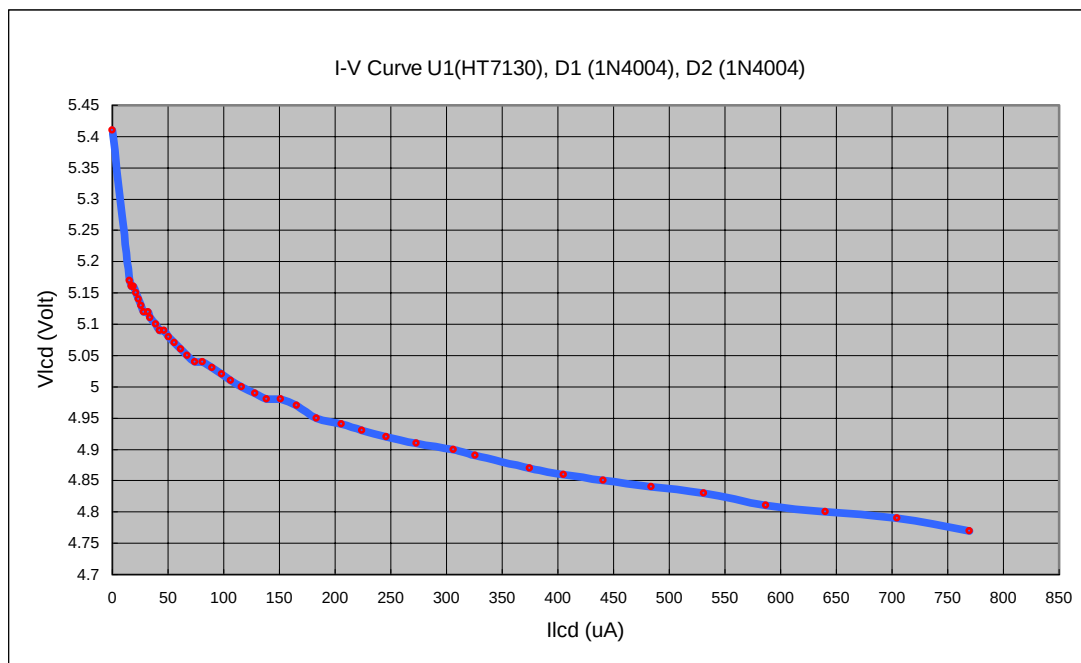


Figure 7. Case 4

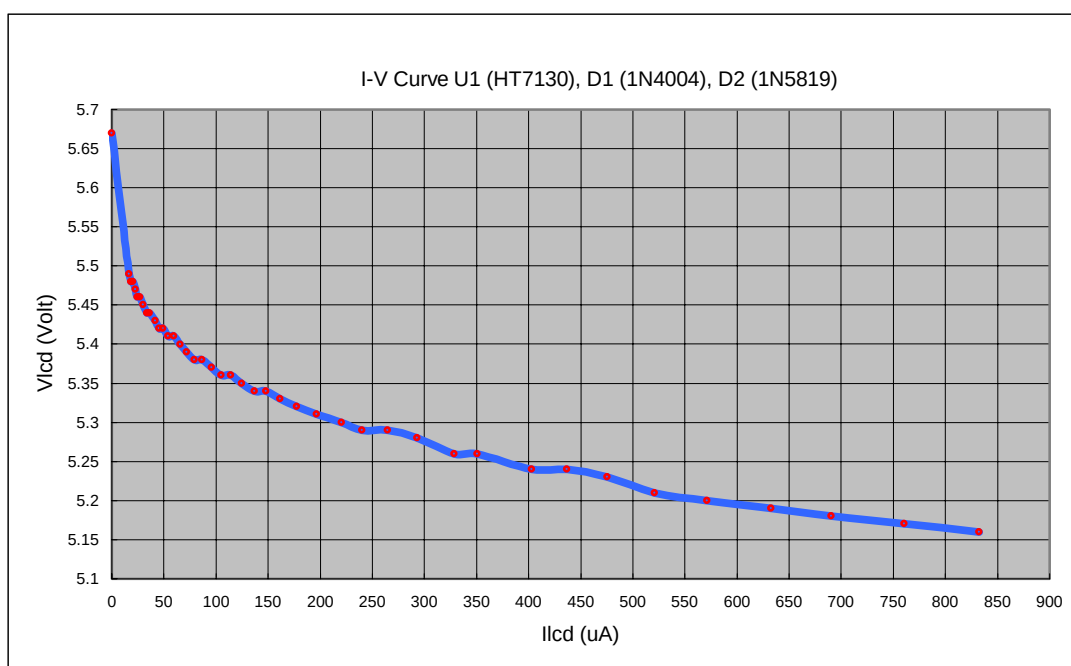


Figure 8. Case 5

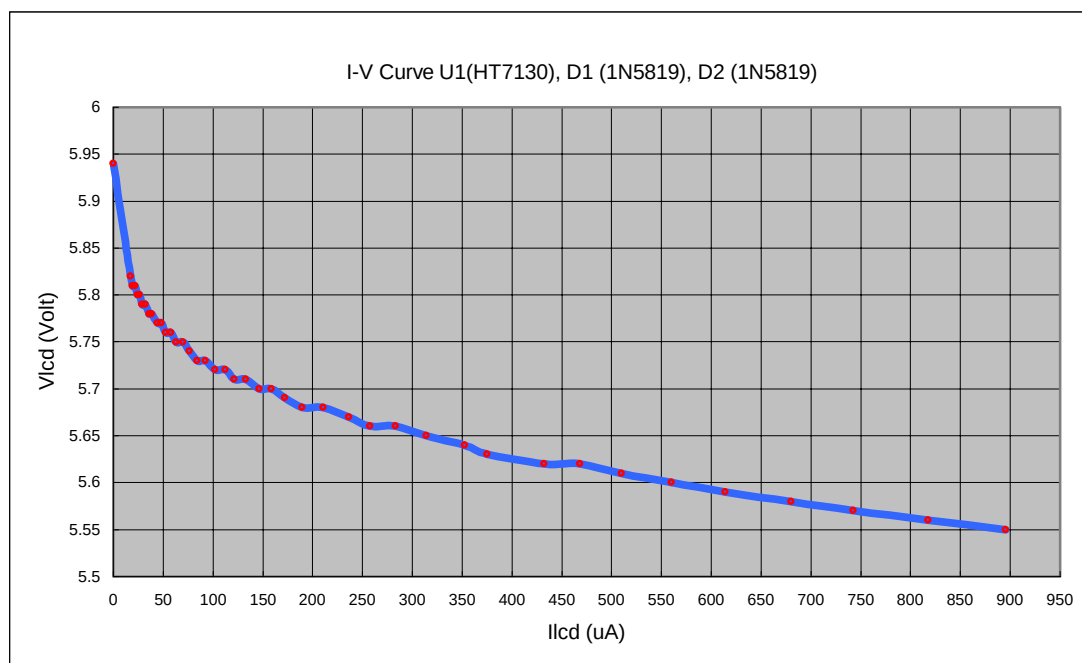


Figure 9 Case 6