RelayBoard 檢驗表格(表格版本 v20250417a)

電壓檢驗#1:

1a 項目:

說明: 繼電器全部啟動

設定值: {"LED_1":"00000000","LED_2":"00000000","LED_3":"00000000","LED_4":"00000000"}

檢驗項目電壓[V]必須為:

0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0

1b 項目:

說明: 繼電器全部啟動

設定值: {"LED_1":"1111111111","LED_2":"1111111111","LED_3":"1111111111","LED_4":"1111111111"}

檢驗項目電壓[V]必須為:

3.1~3.3 4.0~4.5	3.1~3.3 4.0~4.5	3.1~3.3 4.0~4.5	3.1~3.3 4.0~4.5	3.1~3.3 4.0~4.5	3.1~3.3 4.0~4.5	3.1~3.3 4.0~4.5	3.1~3.3 4.0~4.5
3.1~3.3 4.0~4.5	3.1~3.3 4.0~4.5	3.1~3.3 4.0~4.5	3.1~3.3 4.0~4.5	3.1~3.3 4.0~4.5	3.1~3.3 4.0~4.5	3.1~3.3 4.0~4.5	3.1~3.3 4.0~4.5
0 2.8~2.9 4.0~4.5	0 2.8~2.9 4.0~4.5	0 2.8~2.9 4.0~4.5	0 2.8~2.9 4.0~4.5	0 2.8~2.9 4.0~4.5	0 2.8~2.9 4.0~4.5	0 2.8~2.9 4.0~4.5	0 2.8~2.9 4.0~4.5
0 2.8~2.9 4.0~4.5	0 2.8~2.9 4.0~4.5	0 2.8~2.9 4.0~4.5	0 2.8~2.9 4.0~4.5	0 2.8~2.9 4.0~4.5	0 2.8~2.9 4.0~4.5	0 2.8~2.9 4.0~4.5	0 2.8~2.9 4.0~4.5

量測方式: 電表的黑色探棒(COM 端) 接 細黑線 GND。電表的紅色探棒(正端)去量測 IC 右側。

電阻檢驗#1

說明: 繼電器第 1 排啟動(大顆在下方，最下面數來第 1 排)

設定值: {"LED_1":"1111111111","LED_2":"00000000","LED_3":"00000000","LED_4":"00000000"}

檢驗項目電壓必須為:

0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
0 2.8~2.9 0	0 2.8~2.9 0	0 2.8~2.9 0	0 2.8~2.9 0	0 2.8~2.9 0	0 2.8~2.9 0	0 2.8~2.9 0	0 2.8~2.9 0
0 2.8~2.9 4.0~4.5	0 2.8~2.9 4.0~4.5	0 2.8~2.9 4.0~4.5	0 2.8~2.9 4.0~4.5	0 2.8~2.9 4.0~4.5	0 2.8~2.9 4.0~4.5	0 2.8~2.9 4.0~4.5	0 2.8~2.9 4.0~4.5

電阻必須為：粗橙(PSU+)vsCH1~8 為 10~12[Ω]；粗橙(PSU+)vs 粗灰(PSU-)為 0L[Ω]；其餘不測。

電阻檢驗#2

說明: 繼電器第 2 排啟動(大顆在下方，最下面數來第 2 排)

設定值: {"LED_1":"00000000","LED_2":"1111111111","LED_3":"00000000","LED_4":"00000000"}

檢驗項目電壓必須為:

0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
0 2.8~2.9 4.0~4.5	0 2.8~2.9 4.0~4.5	0 2.8~2.9 4.0~4.5.	0 2.8~2.9 4.0~4.5	0 2.8~2.9 4.0~4.5	0 2.8~2.9 4.0~4.5	0 2.8~2.9 4.0~4.5	0 2.8~2.9 4.0~4.5
0 2.8~2.9 0	0 2.8~2.9 0	0 2.8~2.9 0	0 2.8~2.9 0	0 2.8~2.9 0	0 2.8~2.9 0	0 2.8~2.9 0	0 2.8~2.9 0

電阻必須為：粗灰(PSU-)vsCH1~8 為 10~12[Ω]；粗灰(PSU-)vs 粗橙(PSU+)為 0L[Ω]；其餘不測。

電阻檢驗#3

說明: 繼電器第 3 排啟動(大顆在下方，最下面數來第 3 排)

設定值: {"LED_1":"00000000","LED_2":"00000000","LED_3":"1111111111","LED_4":"00000000"}

檢驗項目電壓必須為:

3.1~3.3 0	3.1~3.3 0	3.1~3.3 0	3.1~3.3 0	3.1~3.3 0	3.1~3.3 0	3.1~3.3 0	3.1~3.3 0
3.1~3.3 4.0~4.5	3.1~3.3 4.0~4.5	3.1~3.3 4.0~4.5	3.1~3.3 4.0~4.5	3.1~3.3 4.0~4.5	3.1~3.3 4.0~4.5	3.1~3.3 4.0~4.5	3.1~3.3 4.0~4.5
0 0 0	0 0 0	0 0 0	0 0 0	0 0 0	0 0 0	0 0 0	0 0 0
0 0 0	0 0 0	0 0 0	0 0 0	0 0 0	0 0 0	0 0 0	0 0 0

電阻必須為：**粗黑(DMM-)**vsCH1~8 為 36~40[Ω]；**粗黑(DMM-)**vs 粗紅(DMM+)為 0L[Ω]；其餘不測。

電阻檢驗#4

說明: 繼電器第 4 排啟動(大顆在下方，最下面數來第 4 排)

設定值: {"LED_1":"00000000","LED_2":"00000000","LED_3":"00000000","LED_4":"1111111111"}

檢驗項目電壓必須為:

3.1~3.3 4.0~4.5	3.1~3.3 4.0~4.5	3.1~3.3 4.0~4.5	3.1~3.3 4.0~4.5	3.1~3.3 4.0~4.5	3.1~3.3 4.0~4.5	3.1~3.3 4.0~4.5	3.1~3.3 4.0~4.5
3.1~3.3 0	3.1~3.3 0	3.1~3.3 0	3.1~3.3 0	3.1~3.3 0	3.1~3.3 0	3.1~3.3 0	3.1~3.3 0
0 0 0	0 0 0	0 0 0	0 0 0	0 0 0	0 0 0	0 0 0	0 0 0
0 0 0	0 0 0	0 0 0	0 0 0	0 0 0	0 0 0	0 0 0	0 0 0

電阻必須為：粗紅(DMM+)vsCH1~8 為 25~30[Ω]；粗紅(DMM+)vs **粗黑(DMM-)**為 0L[Ω]；其餘不測。