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。