K4 KAPTON TEST CARD

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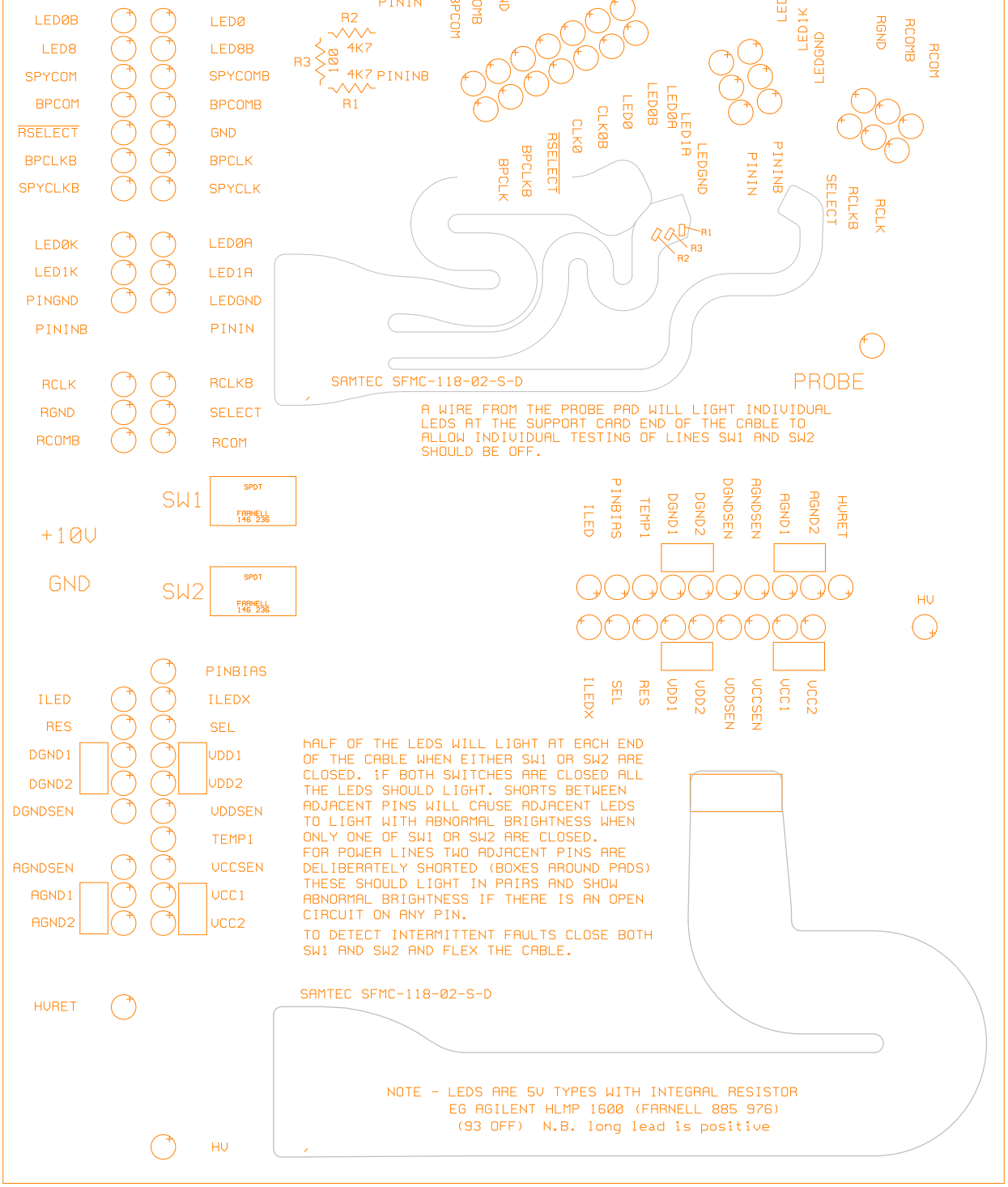
MEASURE RESISTANCES WITH SW1 AND SW2 OFF.



A WIRE FROM THE PROBE PAD WILL LIGHT INDIVIDUAL LEDS AT THE SUPPORT CARD END OF THE CABLE TO ALLOW INDIVIDUAL TESTING OF LINES SW1 AND SW2 SHOULD BE OFF.

HALF OF THE LEDS WILL LIGHT AT EACH END OF THE CABLE WHEN EITHER SW1 OR SW2 ARE CLOSED. IF BOTH SWITCHES ARE CLOSED ALL THE LEDS SHOULD LIGHT. SHORTS BETWEEN ADJACENT PINS WILL CAUSE ADJACENT LEDS TO LIGHT WITH ABNORMAL BRIGHTNESS WHEN ONLY ONE OF SW1 OR SW2 ARE CLOSED.
FOR POWER LINES TWO ADJACENT PINS ARE DELIBERATELY SHORTED (BOXES AROUND PADS) THESE SHOULD LIGHT IN PAIRS AND SHOW ABNORMAL BRIGHTNESS IF THERE IS AN OPEN CIRCUIT ON ANY PIN.

TO DETECT INTERMITTENT FAULTS CLOSE BOTH SW1 AND SW2 AND FLEX THE CABLE.

NOTE - LEDS ARE 5V TYPES WITH INTEGRAL RESISTOR
EG AGILENT HLMP 1600 (FARNELL 885 976)
(93 OFF) N.B. long lead is positive