

## **KPC2 Test (TESTER.HEX) and LOOPBACK connectors.**

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Following is the information on putting together the COMMUNICATIONS Port test cables as well as the KEYPAD port tester. **BOTH of these have to be inserted into the KPC2 before testing.**

### **KEYPAD PORT LOOPBACK TESTER (DB9 male connector required)**

Connect the following pins on the connector before you attach it to the KPC2.

2 (RETURN 0) and 6 (SCAN 0)

3 (RETURN 1) and 7 (SCAN 1)

4 (RETURN 2) and 8 (SCAN 2)

5 (RETURN 3) and 9 (SCAN 3)

### **COMMUNICATIONS PORT LOOPBACK TESTER (DB9 female connector required)**

Connect the following pins on the connector before you attach it to the KPC2.

2 (TX0) and 3 (RX0)

8 (TX1) and 7 (RX1)

## **System Operation**

After downloading TESTER.HEX to the KPC2, power up the KPC2. If there is an error the LED will flash the error code. The LED will remain solid for a valid test.

### **Current KPC2 LED Error codes**

ERROR CODES	Description
1	DIP 1 NOT SET TO OFF (RB4 is LOW)
2	DIP 2 NOT SET TO OFF (RB5 is LOW)
3	DIP 3 NOT SET TO OFF (RB6 is LOW)
4	DIP 4 NOT SET TO OFF (RB7 is LOW)
5	TX1 HIGH -> RX1 not HIGH
6	TX0 HIGH -> RX0 not HIGH
7	Return 0 not going HIGH
8	Return 1 not going HIGH
9	Return 2 not going HIGH
10	Return 3 not going HIGH
11	EE Memory error