|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **TEST NAME** | | | | | | |
| Collector Resistors Test (R4, R7, R8) | | | | | | |
| **TEST NO\*** | | T4 | | **UUT PN** | | 04B-005 |
| **LAST TEST NO** | | T3 | | **TEST TYPE** | | STATIC |
|  | | | | | | |
| **TEST DESCRIPTION** | | | | | | |
| Adjust R7 to approximately mid-range. Measure resistance. A determination of IN TOLERANCE indicates that the resistor network formed by R4, R7, R8 is as expected. It is possible that parts selected for R10, C5, Q1 can cause the measurement to be skewed. | | | | | | |
|  | | | | | | |
| **TEST SETUP** | | | | | | |
| **POWER** | | | | | | |
| None | | | | | | |
| **STIMULI** | | | | | | |
| None | | | | | | |
| **MEASUREMENT** | | | | | | |
| Resistance measurement with handheld multimeter. | | | | | | |
|  | | | | |  | |
| Click or tap here to enter text. | | | | | Click or tap here to enter text. | |
| **SIGNAL PIN** | TP10 | | **INSTRUMENT** | | Fluke 87 | |
| **RETURN PIN** | TP3 | | **INSTRUMENT ACCURACY** | | N/A | |

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **ACCEPTANCE CRITERIA** | | | | | | | | |
| **PARAMETER** | | | **LOWER LIMIT** | **TARGET VALUE** | | **UPPER LIMIT** | **UNITS** | |
| Resistance | | | R4||(R8+R7min) | R4||(R8+R7mid) | | R4||(R8+R7max) | OHMS | |
|  | | | | | | | | |
| **TEST RESULTS** | | | | | | | |
| **RESULT** | **NEXT STEP** | **ADJUST** | | | **REPLACE** | | |
| IN TOLERANCE | T5 | N/A | | | N/A | | |
| OOT HIGH | N/A | Adjust R7 toward min. | | | N/A | | |
| OOT LOW | N/A | Adjust R7 toward max. | | | N/A | | |
| OOT HIGH AND UNABLE TO ADJUST | END FAIL | N/A | | | R4, R8, R7, (R10, C5, Q1) | | |
| OOT LOW AND UNABLE TO ADJUST | END FAIL | N/A | | | R4, R8, R7, (R10, C5, Q1) | | |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Form Controls** | | | | |
|  | |  |  |  |
| Log Entry Key | 20221127225816 | | | |
| Computer ID |  | | | |
| User ID |  | | | |
| Date Time |  | | | |
| PDF |  | | | |