



INFLIGHT PERIPHERALS LIMITED

Test Results Sheet

**AUDIO JACK INSERTION/EXTRACTION CYCLE TEST**

Test Reference Number: 02/T/1050/001

Test Procedure: Straight Insertion/Extraction Test 99/T/JACKS/001 rev B.

The jack under test is the component used within the IFPL Rapid Fit Jack modules p/n's 1052-000-x and 1056-000-x

During this test the required limit of 20,000 cycles was exceeded and is recorded below.

Description: IFPL Non- Switching Jack

Type:  Stereo  Mono  Dual Mono  Triple

Part Number: 1050-000-1

Test Requirements

- 1 Minimum No. of insertions without malfunction 20,000
- 2 Electrical contact resistance not to exceed 0.2 Ohm
- 3 Motorised test assembly TE005

Test Conditions

Connector was mounted in test jig with the connector supported on a PCB.

A 3.5mm stereo plug was fitted on one end to allow the whole assembly to be connected between a music source and a headset, and also to allow it to be connected to a counter system. Initial contact resistance was not measured. Audio was played through the assembly prior to start of the test to subjectively check audio quality. The test was undertaken using representative headset plugs. Insertion counts were made by using the insertion of the plug to provide a 'switch' input to the counter. Plugs were replaced at 5,000 insertions. At the end of the test, the jack was connected to a music source and checked for audio quality.

Number of cycles completed : 20,732

Failure mode: No failure.

General Comments

The socket under test withstood **20,732** continuous operations without significant change in electrical characteristics. Retention force was not measured.

Tester: G.Underwood

Date: 2<sup>nd</sup> June 2002