TQFP/QFN/MLF Package

TEST RESULTS

CAPACITANCE (pF)

Emulation Technology, Inc.
2344 Walsh Avenue, Bldg. F
Santa Clara, CA 95051
408-982-0660

SCOPE

To perform Inductance and Capacitance testing on Electrical socket contacts as manufactured and submitted by the test sponsor.

APPLICABLE DOCUMENTS

Standards:

MIL-STD-1344
EIA Publication 364

TEST SAMPLES AND PREPARATION

1. The following test samples were submitted by the test sponsor for the evaluation to be performed by Contech Research, Inc.

   5, Mounted contacts, P/N SMSP1001
   10, Loose contacts

2. The following additional materials were submitted by the test sponsor to assist and perform the testing of items listed in #1 above.

   1, Contact holding block
   4, Test boards

3. Test boards for mounting test samples were supplied by the test sponsor.

4. The test samples were not cleaned prior to testing.

5. Unless otherwise specified in the test procedures used, no further preparation was used.

PROJECT NO.: 99360 SPECIFICATIONS: EIA-364

PART NO.: SMSP1001 PART DESCRIPTION: Socket Contacts

SAMPLE SIZE: 5 Contacts TECHNICIAN: MO

START DATE: 6/4/99 COMPLETE DATE: 6/4/99

ROOM AMBIENT: 22℃ RELATIVE HUMIDITY: 40%

EQUIPMENT ID#: 473, 474, 1053, 1057

CAPACITANCE

PURPOSE:

To determine the capacitance characteristics between contacts within the assembled test unit.

PROCEDURE:

1. The test was performed in accordance with EIA 364, TP 30.

2. Test Conditions:

- Frequency : 500 MHz
- Polarization : None
- Mounting Conditions : In housing, Mounted to PCB
- Adjacent Contacts : Yes
- Mating Conditions : Unmated
- No. of Observations : 5

3. A network analyzer was used to perform the measurements.

4. Said analyzer was interconnected to a controlled impedance probe station and S-parameter test set.

5. The entire system (without the sample installed) was calibrated using the precision substrate matching the probes used.

6. Following calibration, the test sample was probed at the contact interface and the capacitance was measured and recorded.

REQUIREMENTS:

The capacitance shall be measured and recorded.

RESULTS:

The following is the data observed:

CAPACITANCE (pF)
0.61
0.62
0.61
0.60
0.61