Project Number:	Tracking Code: TC0918--2434		
Requested by: Travis Wild	Date: 4/29/2009	Product Rev: n/a	
Part #: JW-10-04-T-S-300-500/FHP-10-01-H-S	Lot #: n/a	Tech: Dave Scopelliti	Eng: Dave Scopelliti
Part description: JW/FHP			Qty to test: 5
Test Start: 4/28/2009	Test Completed: 4/28/2009		

DWV TEST REPORT

PART DESCRIPTION

JW-10-04-T-S-300-500

Mated with

FHP-10-01-H-S

CERTIFICATION

All instruments and measuring equipment were calibrated to National Institute for Standards and Technology (NIST) traceable standards according to IS0 10012-l and ANSI/NCSL 2540-1, as applicable.

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SCOPE

To perform the following tests: Dielectic Withstanding Voltage Test

APPLICABLE DOCUMENTS

Standards: EIA Publication 364

TEST SAMPLES AND PREPARATION

1) All materials were manufactured in accordance with the applicable product specification.
2) All test samples were identified and encoded to maintain traceability throughout the test sequences.
3) After soldering, the parts to be used for LLCR and DWV/IR testing were cleaned according to TLWI-0001.
4) Either an automated cleaning procedure or an ultrasonic cleaning procedure may be used.
5) The automated procedure is used with aqueous compatible soldering materials.
6) Parts not intended for testing LLCR and DWV/IR are visually inspected and cleaned if necessary.
7) Any additional preparation will be noted in the individual test sequences.

ATTRIBUTE DEFINITIONS

The following is a brief, simplified description of attributes.

DIELECTRIC WITHSTANDING VOLTAGE (DWV):

To determine if the sockets can operate at its rated voltage and withstand momentary over potentials due to switching, surges, and other similar phenomenon. Separate samples are used to evaluate the effect of environmental stresses so not to influence the readings from arcing that occurs during the measurement process.

1) PROCEDURE:
    a. Reference document: EIA-364-20, *Withstanding Voltage Test Procedure for Electrical Connectors*.
    b. Test Conditions:
        i. Between Adjacent Contacts or Signal-to-Ground
        ii. Barometric Test Condition 1
        iii. Rate of Application 500 V/Sec
        iv. Test Voltage (VAC) until breakdown occurs
2) MEASUREMENTS/CALCULATIONS
    a. The breakdown voltage shall be measured and recorded.
    b. The dielectric withstanding voltage shall be recorded as 75% of the minimum breakdown voltage.
    c. The working voltage shall be recorded as one-third (1/3) of the dielectric withstanding voltage (one-fourth of the breakdown voltage).

RESULTS

Dielectric Withstanding Voltage minimums, DWV

- **Minimums**
  - **Breakdown Voltage----------2,400 VAC**
  - **Test Voltage ----------1,800 VAC**
  - **Working Voltage ----------600 VAC**

DATA SUMMARIES

DIELECTRIC WITHSTANDING VOLTAGE (DWV):

Test Date:	4/28/2009
Operator:	D. SCOPE
Temperature (C):	22.7
Humidity (RH):	46.2
Barometric Pressure:	30.28
Equipment ID:	HPM-01

Initial Breakdown Voltage
Test Voltage ***Until Breakdown Occurs***

	Pin to Pin
	Mated
	X
Sample#	**JW/FHP**
1	2400
2	2500
3	2450
4	2600
5	2450

Minimum:

Break Down Voltage	**2400**
Test Voltage	**1800**
Working Voltage	**600**

EQUIPMENT AND CALIBRATION SCHEDULES

Equipment #: STG-01
Description: Hipot Megometer Saftey Test Cage
Manufacturer: Hipotronics
Model: TC-25
Serial #: M9910141
Accuracy: N/A
… Last Cal: No Calibration

Equipment #: HPM-01
Description: Hipot Megometer
Manufacturer: Hipotronics
Model: H306B-A
Serial #: M9905004
Accuracy: 2% Full Scale Accuracy
… Last Cal: 06/22/2008 Next Cal: 06/22/2009