

REPORT No.

MPT-1928

TEST DESCRIPTION

Mechanical TEST

1. TEST PURPOSE

To verify the sample whether it can meet the requirement of Mechanical Characteristics.

2. TEST DESCRIPTION

P/N:Mini-SAS Series products plug push and pull force test, 1pcs.

3. TEST REQUIREMENT AND PROCEDURE

3.1 Insertion and Withdrawal test , EIA 364-13 measure the force necessary to mate the connector assemblies at maximum rate of 25.0mm per minute.

4. TEST EQUIPMENT

4.1 1220S for the pull/plug test.

5. TEST RESULT AND RECORD

Temperature:24.1 °C

Humidity: 50 %

5.1 Insertion & withdrawal force test @ 25.0mm per minute ,last 5cycles.

Test Item	246cycle	247cycle	248cycle	249cycle	250cycle
Insertion Force (Max: 55N)	34.8	34.9	34.7	34.6	34.7
Extraction Force (Max: 49N)	16.2	16.3	16.5	16.6	16.6
Test result	PASS				



before test



testing



after test



last 5cycles test waveform

6. TEST RESULT

The sample PASS the test items .

----- THE END OF REPORT -----

PREPARED BY

Wang Jinhui

DATE

2012-12-27

APPROVED BY

Smith Wu

DATE

2012-12-27

REPORT No.

FAI-12083

TEST DESCRIPTION

ELECTRICAL TEST

1. TEST PURPOSE

Evaluate the electrical performance of sample assembly.

2. TEST DESCRIPTION

P/N:RMS36-2406 ,Length:590MM, Mini SAS 36P side-exit to side-exit cable ass'y,1pcs.

3. TEST REQUIREMENT AND PROCEDURE

See the data record table according to 12G spec

4. TEST EQUIPMENT

4.1 TEKTRONIX TDS8000 + TEKTRONIX 80E04 for Impedance test

4.2 Agilent N5230A for scd21,scd22,sdd21,sdd22,NEXT,FEXT test.

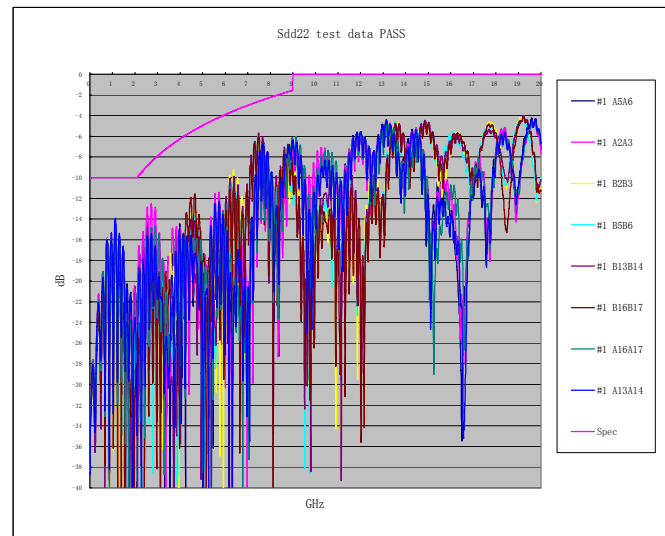
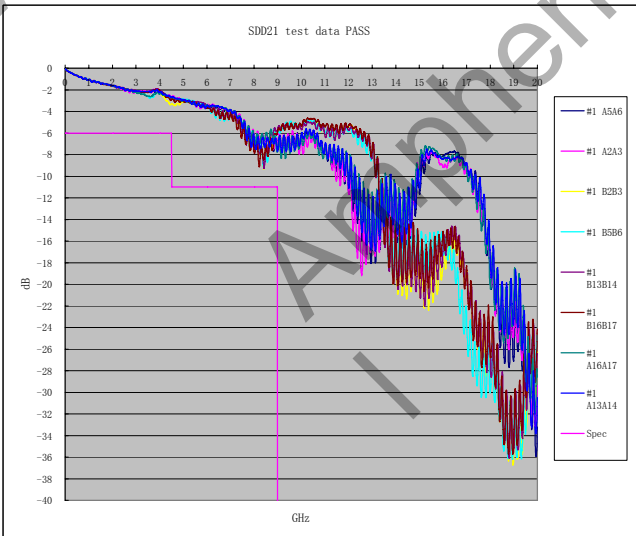
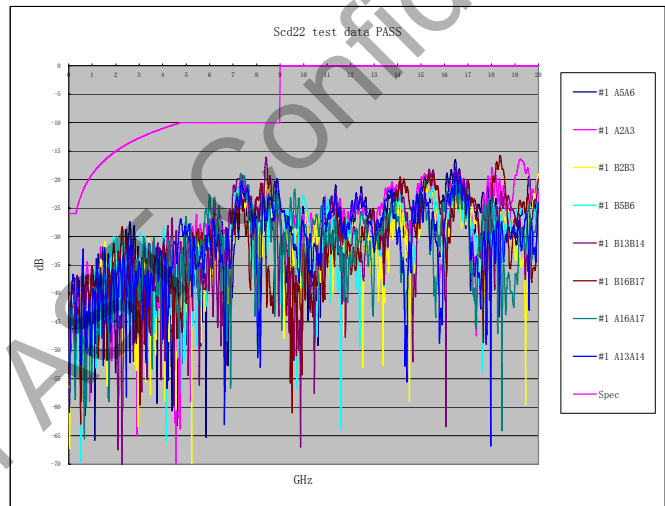
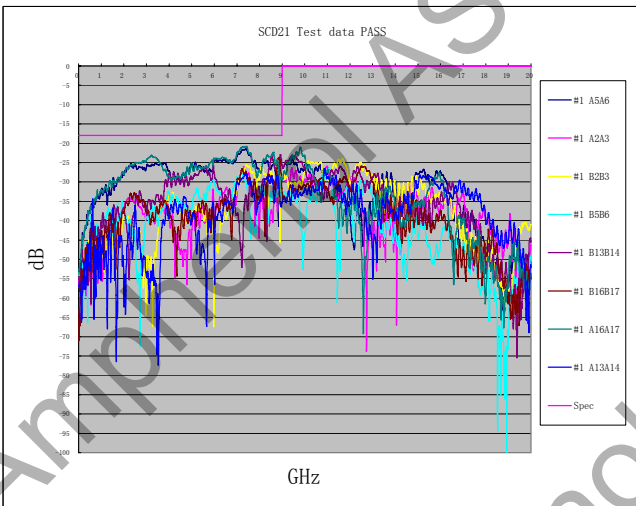
5. TEST RESULT AND RECORD

Temperature:23.1℃

Humidity: 52.5 %

5.1 test data record.

Sample No.	Signal	Impedance(Risetime=70ps, 20%~80%)								scd21	scd22	sdd21	sdd22	NEXT	FEXT	scd21-sdd21	ICR	RESULT
		Differential impedance																
		Termination area				Cable Absolute area												
		SideA		SideB														
	Wire	MAX	MIN	MAX	MIN	MAX	MIN	Cable pair matching	Common mode									
Unit	Ohm	Ohm	Ohm	Ohm	Ohm	Ohm	Ohm	Ohm	Ohm	dB	dB	dB	dB	dB	dB	dB	dB	
	High Limit	115	115	115	115	110	110	5	40	See the test data waveform charts record								
	Lower Limit	85	85	85	85	90	90	0	35									
#1	A5A6	102.8	91.3	103.2	91.6	103.5	102.3	0.2	30.2	OK	OK	OK	OK	OK	OK	OK	OK	PASS
	A2A3	102.8	91.4	103.1	91.9	103.6	102.3	1.2	30.1									
	B2B3	102.9	93.8	103.1	94.6	103.1	102.2	0.5	31.2									
	B5B6	103.0	93.9	102.7	94.6	103.2	102.4	0.9	30.3									
	B13B14	103.1	94.4	103.0	94.4	103.7	102.2	1.2	30.2									
	B16B17	102.8	94.4	102.8	94.9	103.2	102.4	0.2	30.3									
	A16A17	102.8	93.6	102.9	93.8	103.3	102.3	0.6	30.5									
	A13A14	103.2	91.8	102.6	91.8	103.2	101.7	0.4	30.3									
		MAX	103.2	94.4	103.2	94.9	103.7	102.4	1.2									
	MIN	102.8	91.3	102.6	91.6	103.1	101.7	0.2	30.1									
	AVERAGE	102.9	93.1	102.9	93.5	103.4	102.2	0.7	30.4									



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2013-03-27

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TEST DESCRIPTION

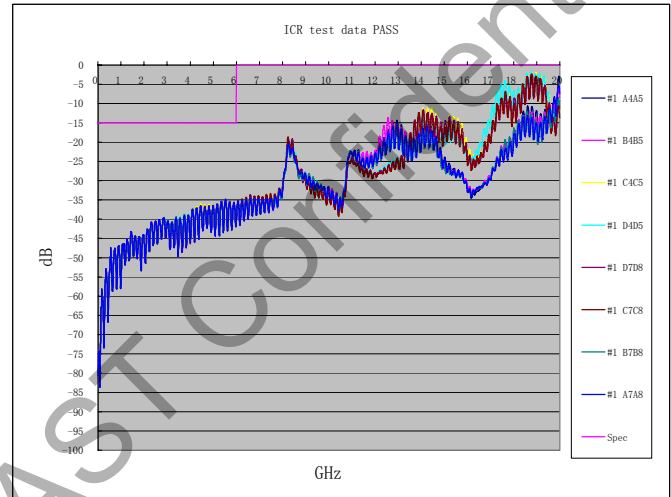
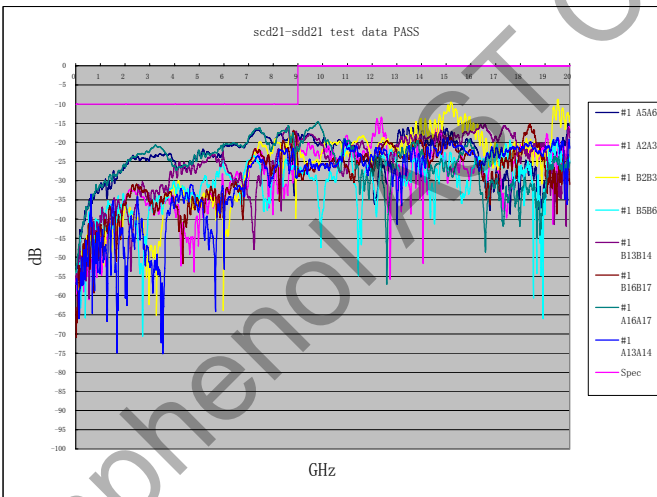
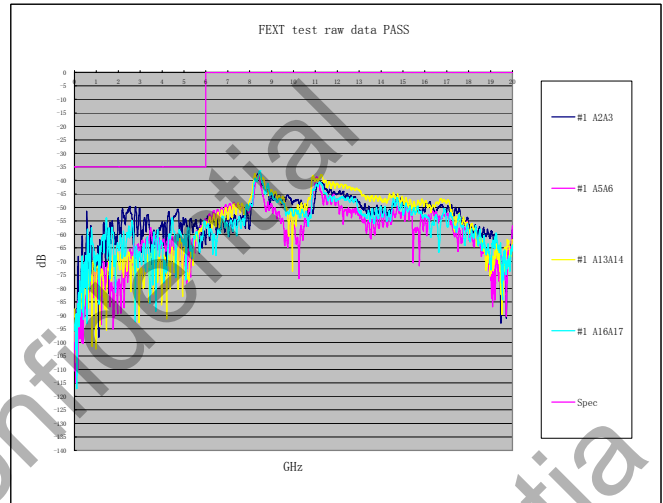
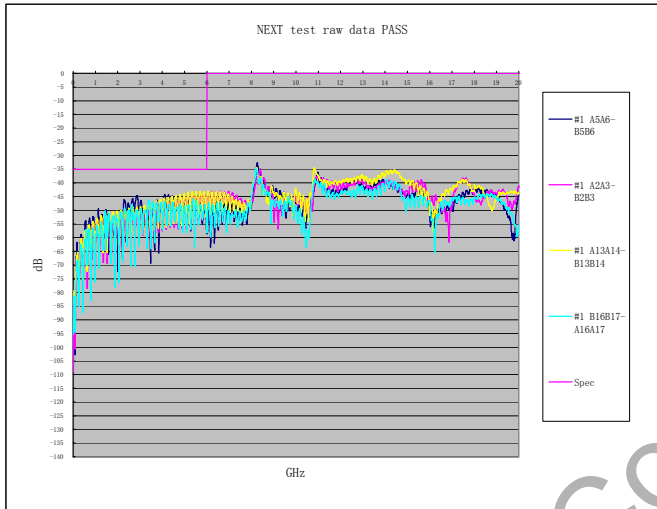
ELECTRICAL TEST

5. TEST RESULT AND RECORD

Temperature: 23.1°C

Humidity: 52.5 %

5.2 Data waveform charts record.



6. TEST RESULT

All samples pass the electrical test .

----- THE END OF REPORT -----

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2013-03-27

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