

REPORT No.

MPT-7291

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: (R)G38A31000B SAS 32P connector Insertion force test, 5pcs.

3. TEST REQUIREMENT AND PROCEDURE

3.1 Insertion force test , EIA 364-13 measure the force necessary to mate the connector assemblies at maximum rate of 12.5mm per minute.

4. TEST EQUIPMENT

4.1 1220S for the Insertion force test.

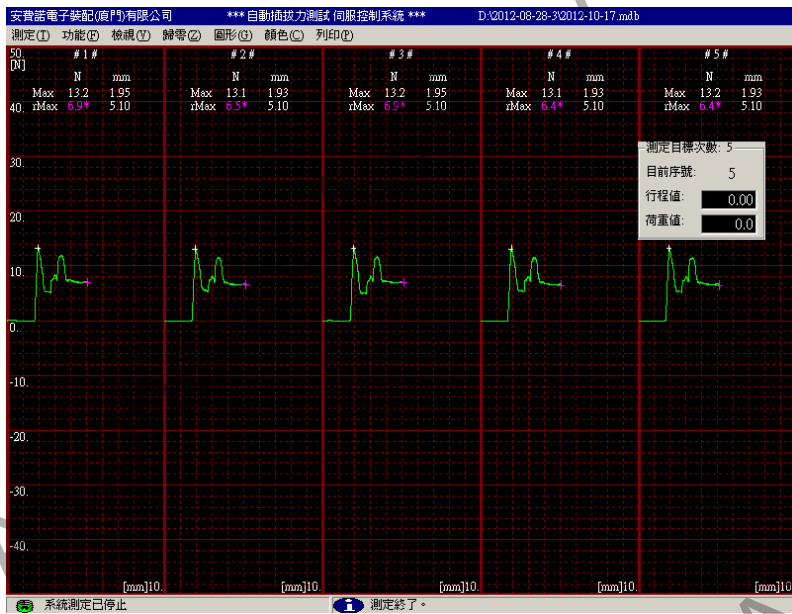
5. TEST RESULT AND RECORD

Temperature:24.1 °C

Humidity: 50 %

5.1 Insertion force test @ 12.5mm per minute.

Test Item	#1	#2	#3	#4	#5
Insertion Force (Max:45N)	13.2	13.1	13.2	13.1	13.2
Test result	PASS	PASS	PASS	PASS	PASS



6. TEST RESULT

All samples pass the insertion force test.

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

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DATE

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2012-10-17

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2012-10-17

REPORT No.

FAI-5589

TEST DESCRIPTION

ELECTRICAL TEST

1. TEST PURPOSE

Evaluate the electrical performance of sample assembly.

2. TEST DESCRIPTION

P/N:RSS32-0197 SAS to SAS 1000mm cable assembly,2pcs.

3. TEST REQUIREMENT AND PROCEDURE

See the data record table

4. TEST EQUIPMENT

4.1 TEKTRONIX TDS8000 + TEKTRONIX 80E04 for Impedance and Skew test

4.2 Agilent N5230A for Insertion Loss and Crosstalk test.

5. TEST RESULT AND RECORD

Temperature:22.6°C

Humidity: 55.5 %

Sample No.	Signal	Impedance(Risetime=70ps, 20%~80%)								Cable pair matching	Common mode	Intra-pair skew (Risetime =70ps, 20%~80%)	NEXT	Insertion Loss	RESULT
		Differential impedance													
		Termination area						Cable Absolute area							
		Side A			Side B			MAX	MIN						
Wire	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	Ohm	Ohm	ps	dB	dB		
	Unit	Ohm	Ohm	Ohm	Ohm	Ohm	Ohm	Ohm	Ohm	Ohm	ps	dB	dB		
	High Limit	115	115	115	115	110	110	110	110	5	40	10	-26	6	
	Lower Limit	85	85	85	85	90	90	90	90	0	25	0	-100	0	
#1	A5A6	98.7	90.5	99.0	86.6	99.1	98.5	99.1	98.5	2.2	28.8	1.1	-30.74	4.98	
	A2A3	97.4	86.0	97.2	86.9	97.3	96.9	97.3	96.9	1.2	28.9	0.7		4.90	
	B2B3	97.4	86.2	98.6	86.0	97.8	97.2	97.8	97.2	0.8	28.5	0.9	-36.94	4.96	
	B5B6	97.4	85.6	97.5	87.0	97.5	96.6	97.5	96.6	1.2	28.6	0.4		4.85	
	B13B14	98.3	87.0	100.2	86.9	99.5	98.8	99.5	98.8	1.1	28.8	1.8	-37.26	4.99	
	B15B16	97.5	86.3	97.9	85.7	98.0	97.3	98.0	97.3	0.5	28.9	2.7		5.21	
	A15A16	97.9	86.4	97.3	86.0	97.8	97.0	97.8	97.0	1.0	28.5	0.6	-37.68	5.09	
	A13A14	98.8	85.7	97.5	85.9	97.8	97.0	97.8	97.0	0.8	29.4	1.8		5.07	
#2	A5A6	97.6	85.8	98.6	88.8	98.8	98.1	98.8	98.1	1.5	29.5	0.6	-37.73	4.79	
	A2A3	97.4	87.0	97.1	85.9	97.3	96.5	97.3	96.5	0.8	28.7	0.7		4.78	
	B2B3	97.8	86.0	97.7	85.9	97.5	96.7	97.5	96.7	1.0	28.5	2.3	-37.74	4.79	
	B5B6	98.0	87.6	97.3	85.0	97.4	96.7	97.4	96.7	0.8	29.1	0.5		4.96	
	B13B14	98.3	85.5	99.1	87.4	98.8	98.2	98.8	98.2	0.9	28.9	0.8	-37.16	4.73	
	B15B16	97.7	85.9	97.4	87.7	97.5	96.8	97.5	96.8	1.1	28.7	2.9		4.61	
	A15A16	97.5	85.8	97.0	88.0	97.3	96.5	97.3	96.5	0.4	28.3	0.8	-36.86	4.86	
	A13A14	98.2	87.3	97.7	88.4	97.5	97.0	97.5	97.0	1.0	29.2	0.4		4.87	
	MAX	98.8	90.5	100.2	88.8	99.5	98.8	99.5	98.8	2.2	29.5	2.9	-30.7	5.2	
	MIN	97.4	85.5	97.0	85.0	97.3	96.5	97.3	96.5	0.4	28.3	0.4	-37.7	4.6	
	AVERAGE	97.9	86.5	97.9	86.8	97.9	97.2	97.9	97.2	1.0	28.8	1.2	-36.5	4.9	

6. TEST RESULT

All samples PASS the electrical test.

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

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2010-12-27

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