PACTECH The Intelligent Choice of Connectivity

Introducing Amphenol 6G Serial ATA III series (SATA3-6G-XX)



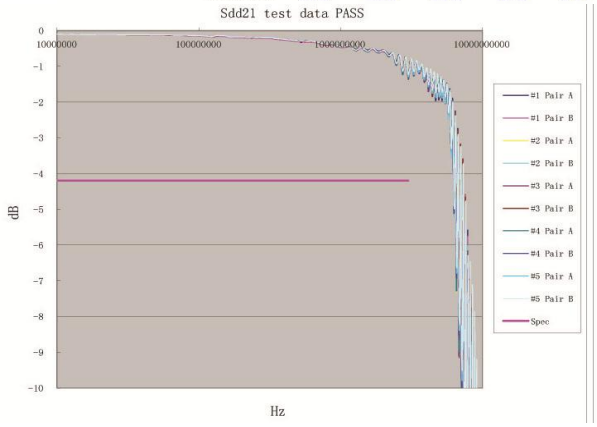
Features:

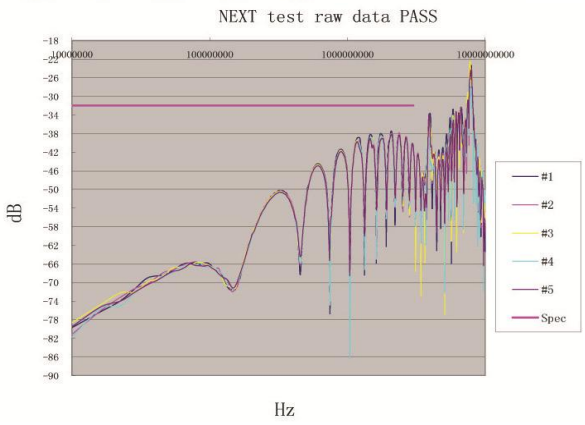
- ***Highest available performance*** for Serial ATA cable: 6 Gigabit High Speed vs regular Serial II 3 Gigabit
- ***Applications***: Interface for connecting host bus adapters to mass storage devices such as hard disk drives, SSD and optical drives with 6 Gigabit high speed. Cable lengths from 6 inches to 40 inches avail.
- ***Advantages***: Low profile 13mm Amphenol patented latched connectors, flexible slim dual 3.5mm high frequency 26AWG SAS skews for all situation performance applications.

Performance Test Data for SATA3-6G-XX Series is shown as below

Temperature:22.5 ℃ Humidity: 53.5%

Sample No.	Signal	Impedance(Risetime=50ps, 20%~80%) Differential impedance						Cable pair matching	Common mode	Intra-pair skew (Risetime =70ps, 20%~80%)	Rise time	sdd21	NEXT	RESULT
		Termination area Side A		Side B		Cable Absolute area								
	Wire	MAX	MIN	MAX	MIN	MAX	MIN							
	Unit	Ohm	Ohm	Ohm	Ohm	Ohm	Ohm	Ohm	Ohm	ps	ps	dB	dB	
	High Limit	115	115	115	115	100	100	5	40	10	85	See the test data		
	Lower Limit	85	85	85	85	90	90	0	25	0	0			
#1	Pair A	96.5	89.6	97.2	89.7	95.7	95.1	1.0	28.5	0.5	45.4	ok	ok	PASS
	Pair B	97.0	89.1	96.4	89.0	95.7	95.0	1.0	28.5	0.4	44.5			
#2	Pair A	96.1	88.7	96.7	89.4	95.8	95.4	0.7	28.6	0.7	45.9	ok	ok	PASS
	Pair B	96.7	88.8	96.8	88.7	95.6	95.1	0.6	28.6	0.3	45.0			
#3	Pair A	96.3	89.0	96.5	89.4	95.5	94.8	0.6	28.5	1.3	45.9	ok	ok	PASS
	Pair B	96.8	88.9	96.8	89.2	95.4	94.9	0.6	28.6	0.6	44.6			
#4	Pair A	96.1	89.1	97.0	89.5	95.6	95.0	0.6	28.8	1.8	43.2	ok	ok	PASS
	Pair B	97.2	88.6	96.1	88.8	95.8	95.4	0.8	28.6	0.4	44.8			
#5	Pair A	96.2	89.2	96.6	89.2	95.6	95.2	0.5	28.5	1.1	46.4	ok	ok	PASS
	Pair B	96.6	88.8	96.3	88.8	95.8	95.1	0.6	28.8	0.5	43.3			
	MAX	97.2	89.6	97.2	89.7	95.8	95.4	1.0	28.8	1.8	46.4			
	MIN	96.1	88.6	96.1	88.7	95.4	94.8	0.5	28.5	0.3	43.2			
	AVERAGE	96.6	89.0	96.6	89.2	95.7	95.1	0.7	28.6	0.8	44.9			





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