Test Report for 100Base-TX

Time: 20:21:01

Device ID : AX88796B

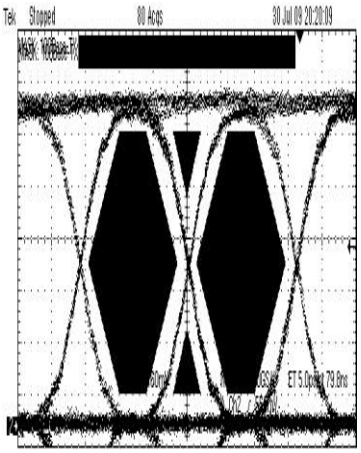
Device Description : L&F AX88796B ISA module board

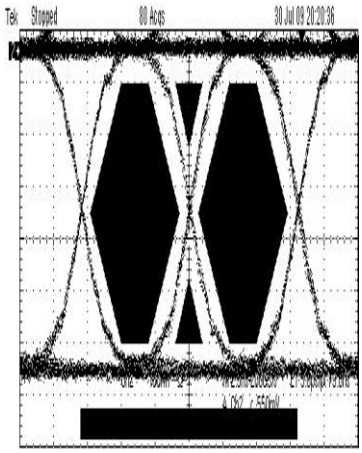
Port ID :

Test	Spec. Range	Measured Value	Result
AOI Template	Fit the template		Pass
Output Voltage (+Vout)	950mV to1050mV	989.4mV	Pass
Output Voltage (-Vout)	-950mV to -1050mV	-991.1mV	Pass
Amplitude Symmetry	0.98 to 1.02	0.998	Pass
Rise Time(+ve)	3ns to 5ns	3.8ns	Pass
Rise Time(-ve)	3ns to 5ns	3.94ns	Pass
Fall Time(+ve)	3ns to 5ns	3.46ns	Pass
Fall Time(-ve)	3ns to 5ns	3.65ns	Pass
Rise/Fall Symmetry(+ve)	<500ps	339ps	Pass
Rise/Fall Symmetry(-ve)	<500ps	291ps	Pass
Overshoot(+ve)	<5%	0.00%	Pass
Overshoot(-ve)	<5%	0.00%	Pass
Transmit Jitter(+ve)	<1.4ns	600ps	Pass
Transmit Jitter(-ve)	<1.4ns	560ps	Pass
Distortion (Duty Cycle)	<500ps(±250ps)	217ps	Pass
Transmitter Return Loss			Not Available
Receiver Return Loss			Not Available

Application Version : 3.0.8 Build 2

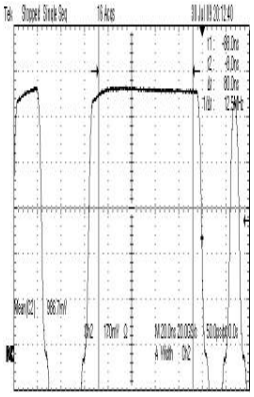
ANSI X3.263-1995: Annex J AOI Template

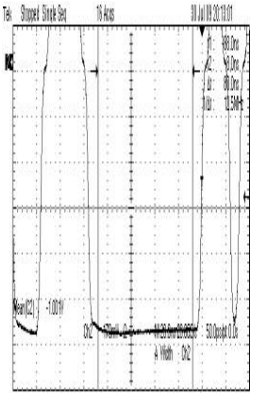




AOI Template Result :
Pass

ANSI X.3.263-1995 : 9.1.2.2 Differential Output Voltage



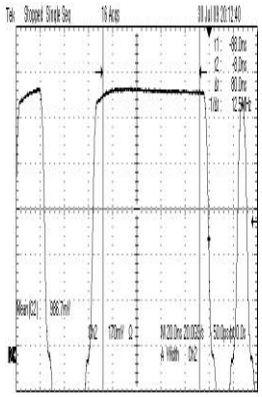


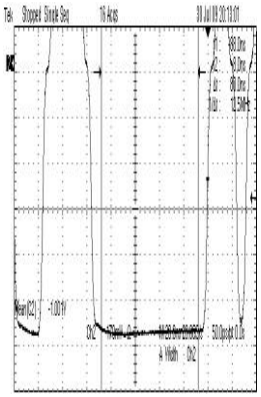
Positive Amplitude(+Vout) : 989.4mV Baseline(+ve) : Not Available	Negative Amplitude(-Vout) : -991.1mV Baseline(-ve) : Not Available
Spec Range : 950mV to 1050mV	**Spec Range : -950mV to -1050mV**
Output Voltage(+Vout) Result : Pass	Output Voltage(-Vout) Result : Pass

Differential Output Voltage Result : Pass

NOTE: Amplitude values are corrected for Baseline voltage

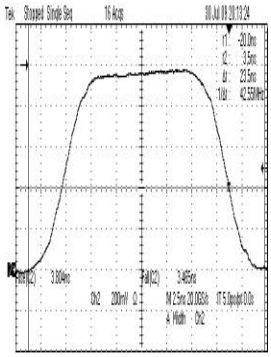
ANSI X3.263-1995: 9.1.4 Signal Amplitude Symmetry

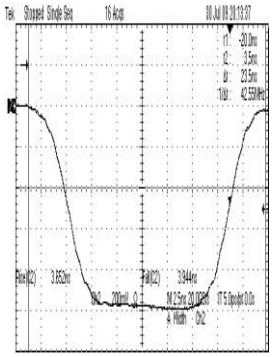




Amplitude Symmetry : 0.998
Spec Range: 0.98 to 1.02
Amplitude Symmetry Result : Pass

ANSI X3.263-1995: 9.1.6 Rise Time

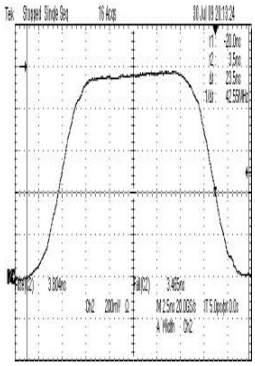


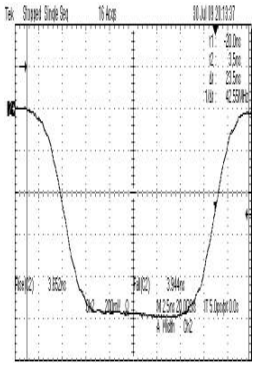


Rise Time(+ve) : 3.8ns	Rise Time(-ve) : 3.94ns
Spec Range: 3ns to 5ns	**Spec Range: 3ns to 5ns**
Rise Time(+ve) Result : Pass	Rise Time(-ve) Result : Pass

Rise Time Test Result : Pass

ANSI X3.263-1995: 9.1.6 Fall Time

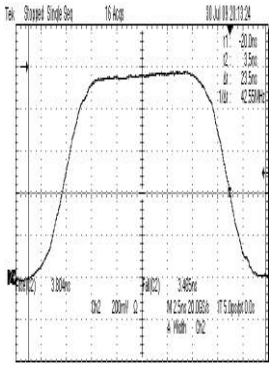


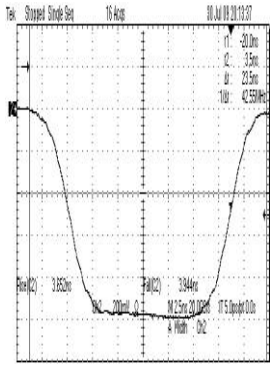


Fall Time(+ve) : 3.46ns	Fall Time(-ve) : 3.65ns
Spec Range: 3ns to 5ns	**Spec Range: 3ns to 5ns**
Fall Time(+ve) Result : Pass	Fall Time(-ve) Result : Pass

Fall Time Test Result : Pass

ANSI X3.263-1995: 9.1.6 Rise Fall Symmetry



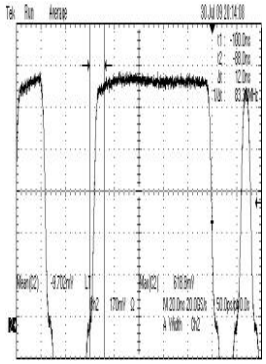


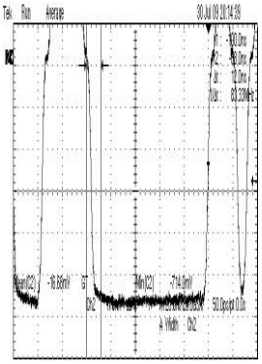
Rise/Fall Symmetry(+ve) : 339ps	Rise/Fall Symmetry(-ve) : 291ps
Spec Range: <500ps	**Spec Range: <500ps**
Rise/Fall Symmetry(+ve) Result : Pass	Rise/Fall Symmetry(-ve) Result : Pass

Rise/Fall Symmetry(Max-Min) : 479ps

Rise/Fall Symmetry Result : Pass

ANSI X3.263-1995: 9.1.3 Waveform Overshoot

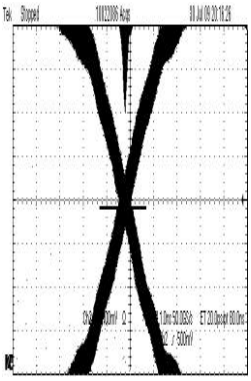


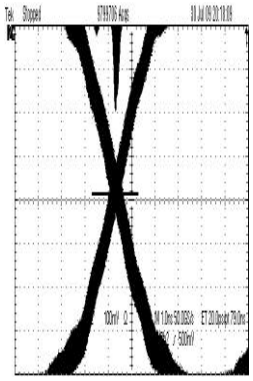


Overshoot(+ve) : 0.00%	Overshoot(-ve) : 0.00%
Spec Range: <5%	**Spec Range: <5%**
Overshoot(+ve) Result : Pass	Overshoot(-ve) Result : Pass

Waveform Overshoot Test Results : Pass

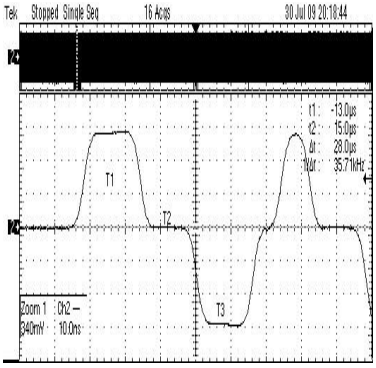
ANSI X3.263-1995: 9.1.9 Transmit Jitter





Transmit Jitter(+ve) : 600ps	Transmit Jitter(-ve) : 560ps
Spec Range: <1.4ns	**Spec Range: <1.4ns**
Transmit Jitter(+ve) Result : Pass	Transmit Jitter(-ve) Result : Pass

ANSI X3.263-1995: 9.1.8 Distortion(Duty Cycle)



Distortion(Duty Cycle) : 217ps
Spec Range: <500ps(+/-250ps)
Distortion(Duty Cycle) Result : Pass T1 = 100ps T2 = 167ps T3 = 217ps

ANSI X3.263-1995: 9.1.5 Transmitter Return Loss

Not Available

Frequency	Spec. Value	Measured Value Not Available	Result
1 MHz	-16.00dB	Not Available	
10 MHz	-16.00dB	Not Available	
20 MHz	-16.00dB	Not Available	
30 MHz	-16.00dB	Not Available	
40 MHz	-13.50dB	Not Available	
50 MHz	-11.56dB	Not Available	
60 MHz	-9.97dB	Not Available	
70 MHz	-10.00dB	Not Available	
80 MHz	-10.00dB	Not Available	

Transmitter Return Loss Result : Not Available

ANSI X3.263-1995: 9.1.5 Receiver Return Loss

Not Available

Frequency	Spec. Value	Measured Value Not Available	Result
1 MHz	-16.00dB	Not Available	
10 MHz	-16.00dB	Not Available	
20 MHz	-16.00dB	Not Available	
30 MHz	-16.00dB	Not Available	
40 MHz	-13.50dB	Not Available	
50 MHz	-11.56dB	Not Available	
60 MHz	-9.97dB	Not Available	
70 MHz	-10.00dB	Not Available	
80 MHz	-10.00dB	Not Available	

Receiver Return Loss Result : Not Available