

Test Report for 100Base-TX

Time: 16:59:11

Device ID : 19DF

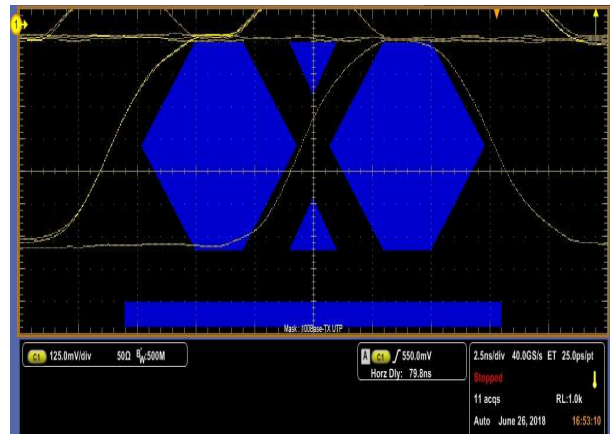
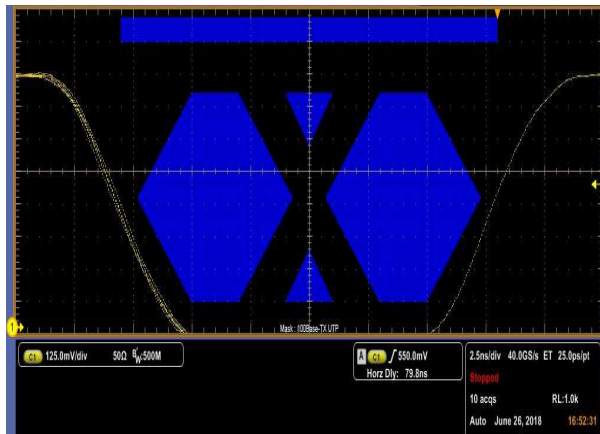
Device Description : 100BASE TX

Port ID : 1/2

Test	Spec. Range	Measured Value	Result
AOI Template	Fit the template		Fail
Output Voltage (+Vout)	950mV to 1050mV	1013.6mV	Pass
Output Voltage (-Vout)	-950mV to -1050mV	-769.2mV	Fail
Amplitude Symmetry	0.98 to 1.02	1.318	Fail
Rise Time(+ve)	3ns to 5ns	4.07ns	Pass
Rise Time(-ve)	3ns to 5ns	3.96ns	Pass
Fall Time(+ve)	3ns to 5ns	3.94ns	Pass
Fall Time(-ve)	3ns to 5ns	3.85ns	Pass
Rise/Fall Symmetry(+ve)	<500ps	125ps	Pass
Rise/Fall Symmetry(-ve)	<500ps	109ps	Pass
Overshoot(+ve)	<5%	0.87%	Pass
Overshoot(-ve)	<5%	2.68%	Pass
Transmit Jitter(+ve)	<1.4ns	660ps	Pass
Transmit Jitter(-ve)	<1.4ns	Not Available	Not Available
Distortion (Duty Cycle)	<500ps($\pm$ 250ps)	Not Available	Not Available
Transmitter Return Loss			Not Available
Receiver Return Loss			Not Available

Application Version : 3.2.9.28

ANSI X3.263-1995: Annex J AOI Template



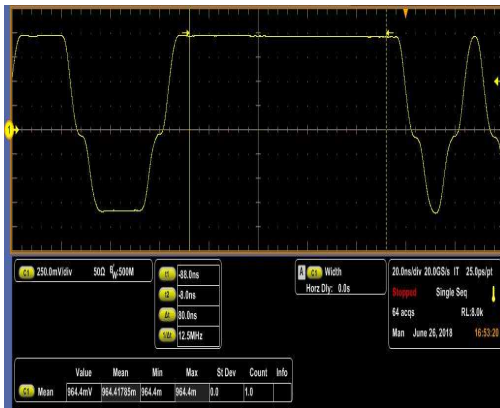
AOI Template Result :

Fail

Hits per Segment

Seg1	0	Seg2	0
Seg3	0	Seg4	75
Seg5	26	Seg6	0
Seg7	0	Seg8	6
Seg9	0	Seg10	0

ANSI X3.263-1995 : 9.1.2.2 Differential Output Voltage



Positive Amplitude(+Vout) : 1013.6mV	Negative Amplitude(-Vout) : -769.2mV
Baseline(+ve) : -49.2mV	Baseline(-ve) : -58.6mV
Spec Range : 950mV to 1050mV	Spec Range : -950mV to -1050mV
Output Voltage(+Vout) Result : Pass	Output Voltage(-Vout) Result : Fail

Differential Output Voltage Result : Fail

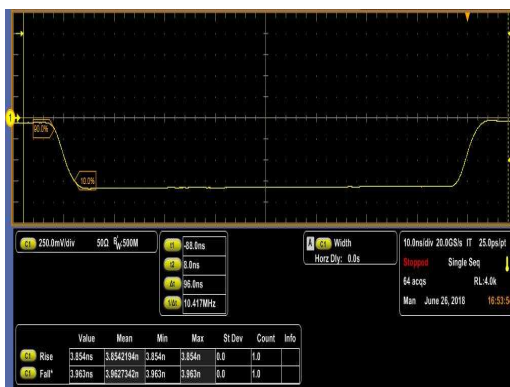
NOTE: Amplitude values are corrected for Baseline

ANSI X3.263-1995: 9.1.4 Signal Amplitude Symmetry



Amplitude Symmetry :	1.318
Spec Range: 0.98 to 1.02	
Amplitude Symmetry Result :	Fail

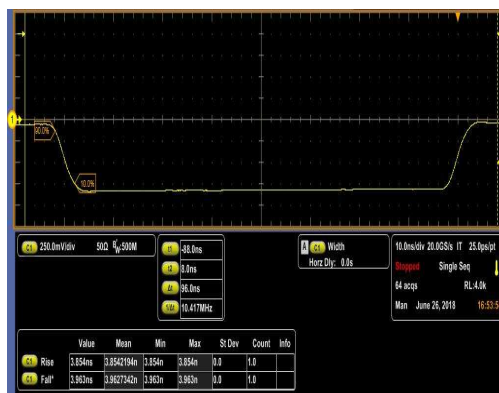
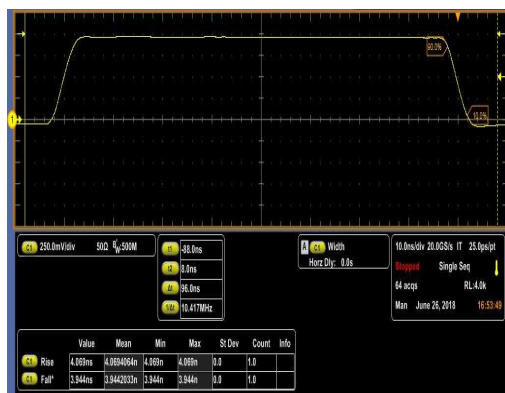
ANSI X3.263-1995: 9.1.6 Rise Time



Rise Time(+ve) :	4.07ns	Rise Time(-ve) :	3.96ns
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

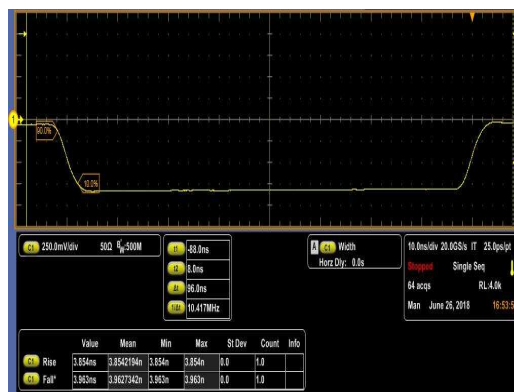
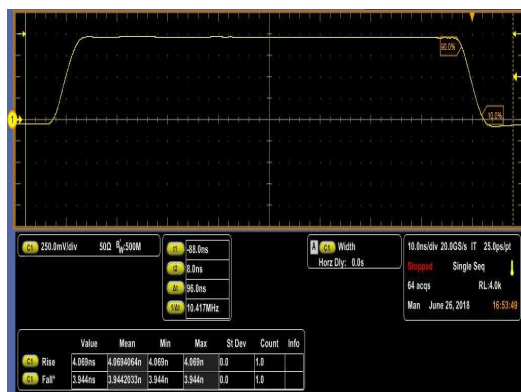
ANSI X3.263-1995: 9.1.6 Fall Time



Fall Time(+ve) :	3.94ns	Fall Time(-ve) :	3.85ns
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) :	125ps	Rise/Fall Symmetry(-ve) :	109ps
Spec Range: <500ps		Spec Range: <500ps	
Rise/Fall Symmetry(+ve) Result :	Pass	Rise/Fall Symmetry(-ve) Result :	Pass

Rise/Fall Symmetry(Max-Min) : 215ps

Rise/Fall Symmetry Result : Pass

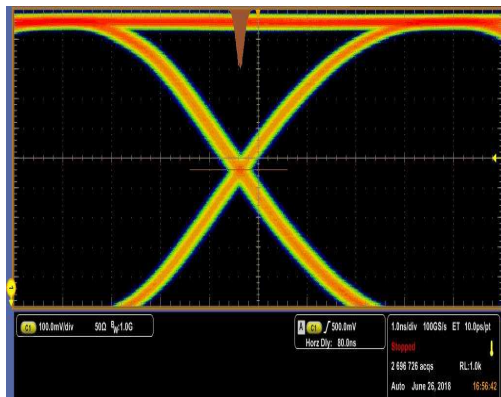
ANSI X3.263-1995: 9.1.3 Waveform Overshoot



Overshoot(+ve) :	0.87%	Overshoot(-ve) :	2.68%
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



Not Available

Transmit Jitter(+ve) :	660ps	Transmit Jitter(-ve) :	Not Available
Spec Range: <1.4ns		Spec Range: <1.4ns	
Transmit Jitter(+ve) Result :	Pass	Transmit Jitter(-ve) Result :	Not Available

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

Not Available

Distortion(Duty Cycle) :	Not Available
Spec Range: <500ps(+/-250ps)	
Distortion(Duty Cycle) Result : Not Available	

ANSI X3.263-1995: 9.1.5 Transmitter Return Loss

Not Available

Frequency	Spec. Value	Measured Value	Result
		Not Available	
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	Result
		Not Available	
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