Test Report for 100Base-TX

Time: 11:39:12

Device ID : Not Available

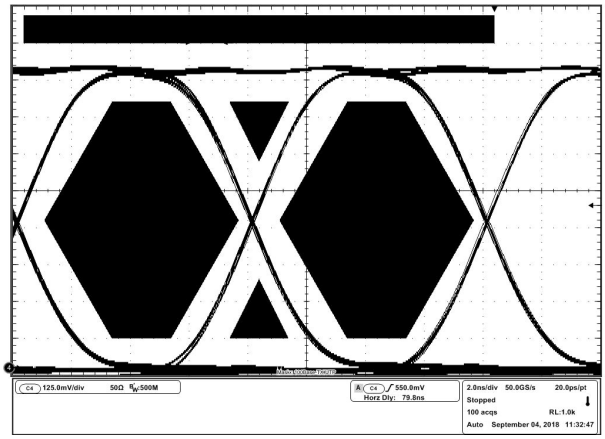
Device Description Not Available

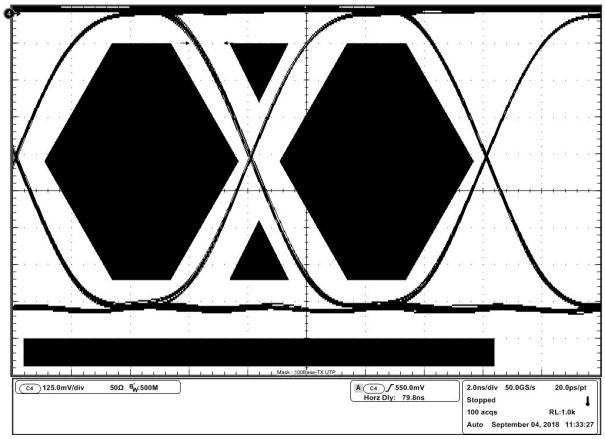
Port ID : Not Available

Test	Spec. Range	Measured Value	Result
AOI Template	Fit the template		Pass
Output Voltage (+Vout)	950mV to1050mV	1044.9mV	Pass
Output Voltage (-Vout)	-950mV to -1050mV	-1039.2mV	Pass
Amplitude Symmetry	0.98 to 1.02	1.006	Pass
Rise Time(+ve)	3ns to 5ns	3.84ns	Pass
Rise Time(-ve)	3ns to 5ns	3.9ns	Pass
Fall Time(+ve)	3ns to 5ns	3.95ns	Pass
Fall Time(-ve)	3ns to 5ns	3.95ns	Pass
Rise/Fall Symmetry(+ve)	<500ps	108ps	Pass
Rise/Fall Symmetry(-ve)	<500ps	46.8ps	Pass
Overshoot(+ve)	<5%	0.36%	Pass
Overshoot(-ve)	<5%	0.28%	Pass
Transmit Jitter(+ve)	<1.4ns	370ps	Pass
Transmit Jitter(-ve)	<1.4ns	310ps	Pass
Distortion (Duty Cycle)	<500ps(±250ps)	140ps	Pass
Transmitter Return Loss			Not Available
Receiver Return Loss			Not Available

Application Version : 3.2.10.35

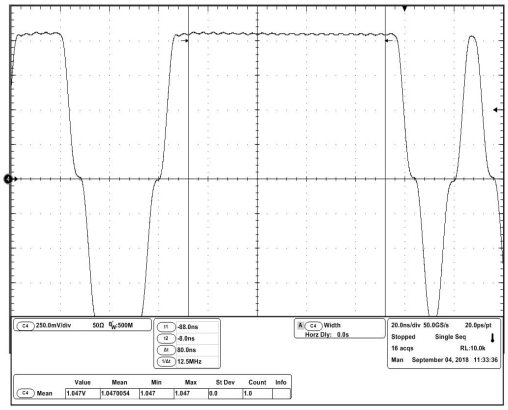
ANSI X3.263-1995: Annex J AOI Template

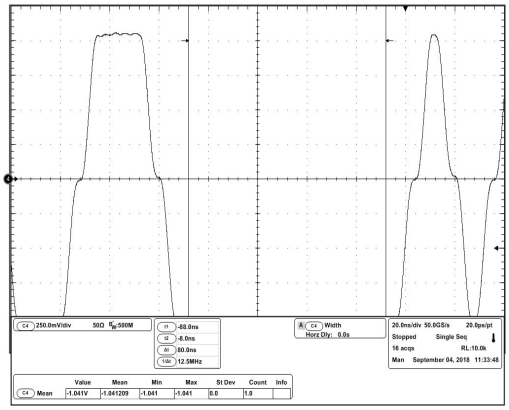




AOI Template Result :
Pass

ANSI X.3.263-1995 : 9.1.2.2 Differential Output Voltage



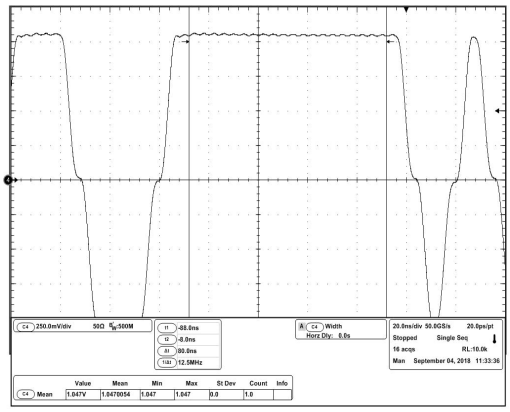


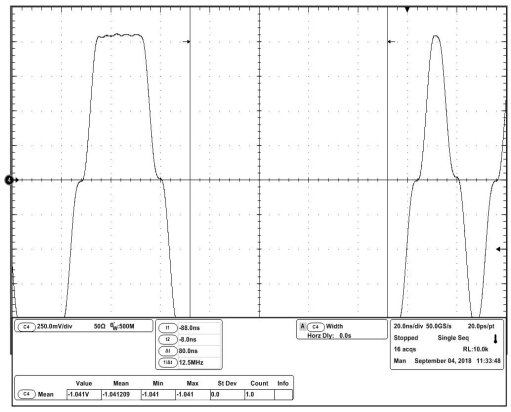
Positive Amplitude(+Vout) : 1044.9mV Baseline(+ve) : 2.1mV	Negative Amplitude(-Vout) : -1039.2mV Baseline(-ve) : -2.0mV
Spec Range : 950mV to 1050mV	**Spec Range : -950mV to -1050mV**
Output Voltage(+Vout) Result : Pass	Output Voltage(-Vout) Result : Pass

Differential Output Voltage Result : Pass

NOTE: Amplitude values are corrected for Baseline

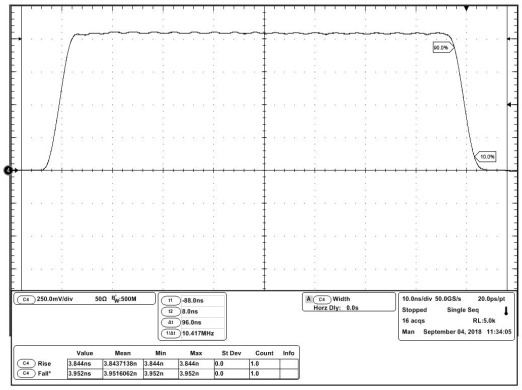
ANSI X3.263-1995: 9.1.4 Signal Amplitude Symmetry

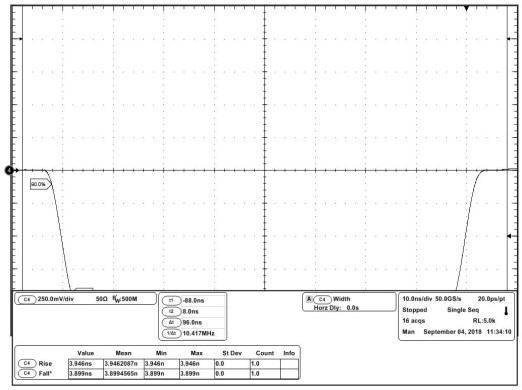




Amplitude Symmetry	1.006
Spec Range: 0.98 to 1.02	
Amplitude Symmetry Result	Pass

ANSI X3.263-1995: 9.1.6 Rise Time

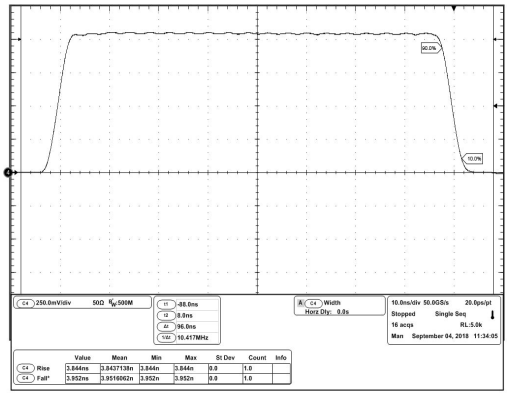


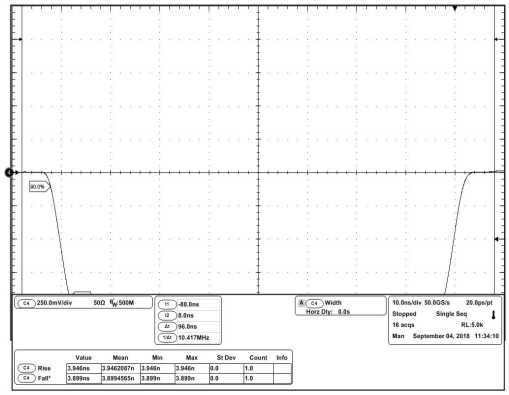


Rise Time(+ve) : 3.84ns	Rise Time(-ve) : 3.9ns
Spec Range: 3ns to 5ns	**Spec Range: 3ns to 5ns**
Rise Time(+ve) Result : Pass	Rise Time(-ve) Result : Pass

Rise Time Test Result : Pass

ANSI X3.263-1995: 9.1.6 Fall Time

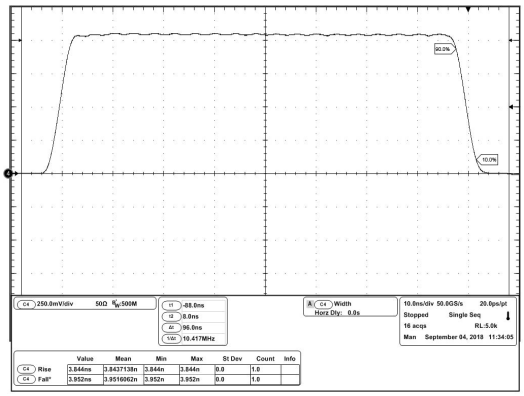


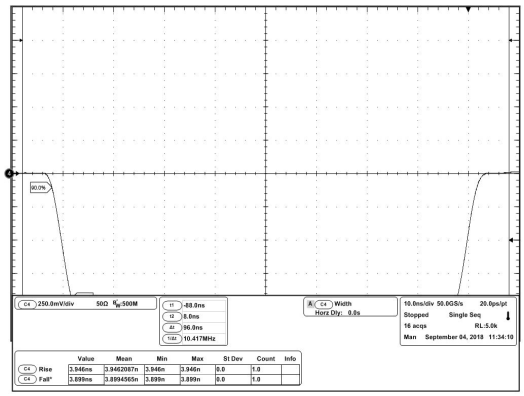


Fall Time(+ve) : 3.95ns	Fall Time(-ve) : 3.95ns
Spec Range: 3ns to 5ns	**Spec Range: 3ns to 5ns**
Fall Time(+ve) Result : Pass	Fall Time(-ve) Result : Pass

Fall Time Test Result : Pass

ANSI X3.263-1995: 9.1.6 Rise Fall Symmetry



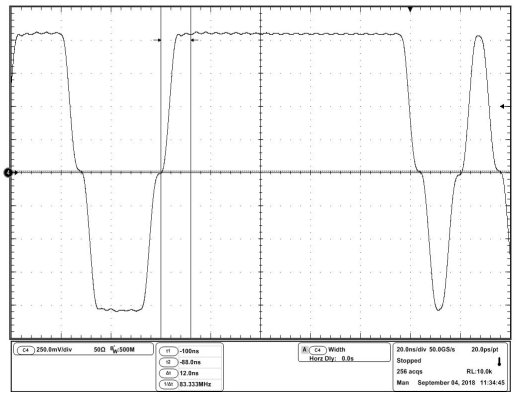


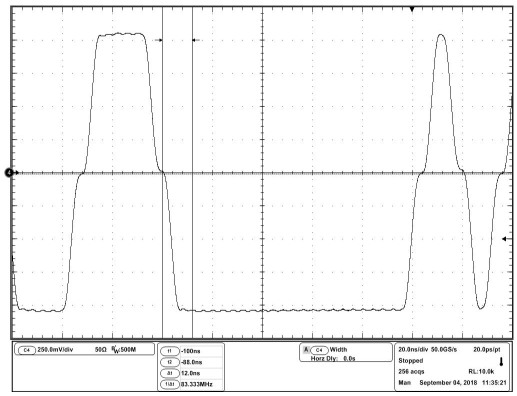
Rise/Fall Symmetry(+ve) : 108ps	Rise/Fall Symmetry(-ve) : 46.8ps
Spec Range: <500ps	**Spec Range: <500ps**
Rise/Fall Symmetry(+ve) Result Pass	Rise/Fall Symmetry(-ve) Result : Pass

Rise/Fall Symmetry(Max-Min) : 108ps

Rise/Fall Symmetry Result Pass

ANSI X3.263-1995: 9.1.3 Waveform Overshoot

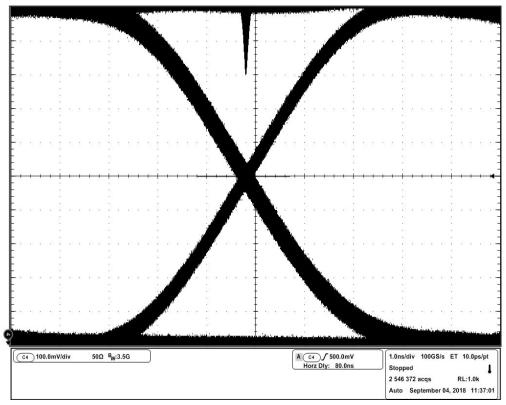


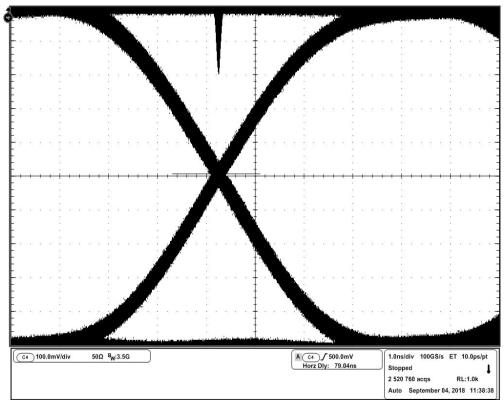


Overshoot(+ve) 0.36%	Overshoot(-ve) 0.28%
Spec Range: <5%	**Spec Range: <5%**
Overshoot(+ve) Result Pass	Overshoot(-ve) Result Pass

Waveform Overshoot Test Results Pass

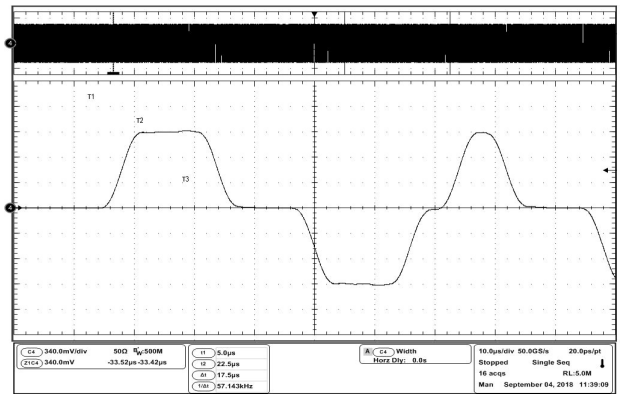
ANSI X3.263-1995: 9.1.9 Transmit Jitter





Transmit Jitter(+ve) 370ps	Transmit Jitter(-ve) : 310ps
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)	140ps
Spec Range: <500ps(+/-250ps)	
Distortion(Duty Cycle) Result : Pass T1 = 140ps T2 = 60.0ps T3 = 20.0ps T4 = 80.0ps T5 = 80.0ps T6 = 60.0ps	

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