Measurement Report

Tektronix

Thursday March 21 2019 08:01:27

Setup Configuration

Scope Details			
Scope Model Number	**Scope Serial Number**	**TekScope Version**	**Scope Calibration Status**
MSO56	C012270	1.8.7	Pass

Probe Details - CH1		
Probe Type	**Probe Serial Number**	**Probe Cal Status**
TPP1000	C120547	Pass

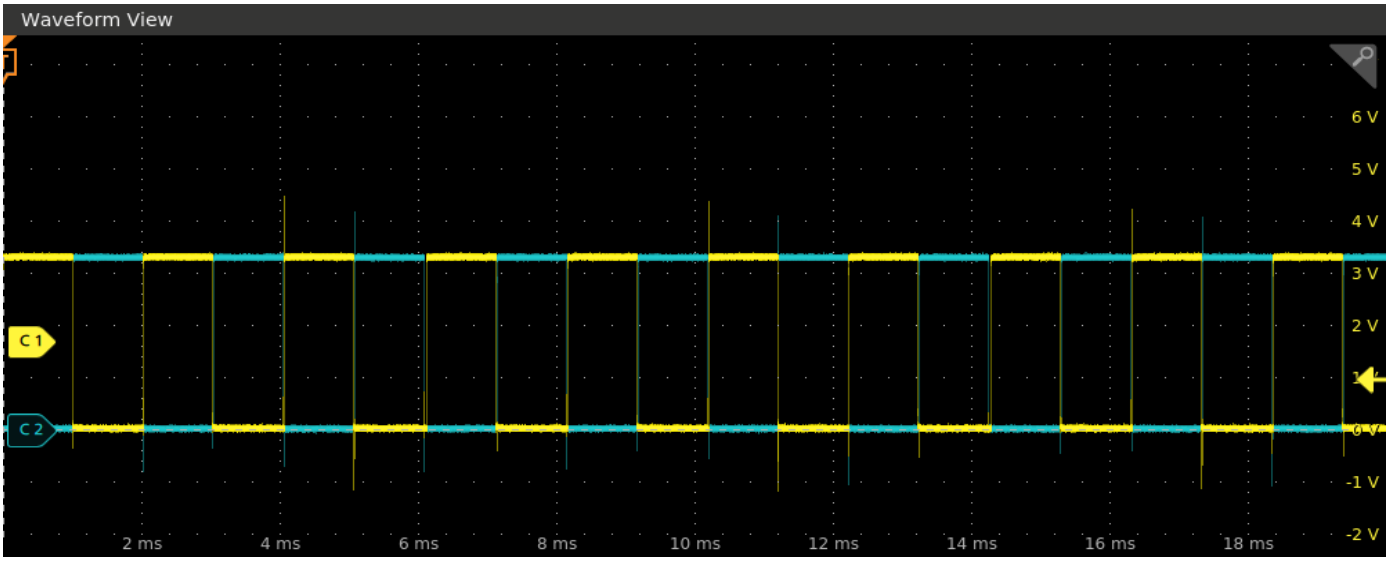
Probe Details - CH2		
Probe Type	**Probe Serial Number**	**Probe Cal Status**
TPP1000	C120551	Pass

Measurement Result Details

Name	Meas	Sources	Mean'	Min'	Max'	Pk-Pk'	Std Dev'	Pop'	Accum Mean	Accum Min	Accum Max	Accum Pk-Pk	Accum Std Dev	Accum Pop
Meas1	Context Switching 1 to 2	Ch1 Ch2	14.68 us	14.68 us	14.68 us	0.000 s	0.000 s	1	1.382 ms	14.68 us	1.864 ms	1.850 ms	816.2 us	65
Meas2	Context Switching 2 to 1	Ch2 Ch1	14.88 us	14.88 us	14.88 us	0.000 s	0.000 s	1	1.301 ms	-3.870 ms	2.205 ms	6.075 ms	1.042 ms	65
Meas3	Time for task 1	Ch1	1.003 ms	1.003 ms	1.003 ms	16.73 ns	6.991 ns	9	1.004 ms	1.003 ms	1.388 ms	385.6 us	22.32 us	298
Meas4	Time for task 2	Ch2	1.003 ms	1.003 ms	1.003 ms	130.8 ns	54.94 ns	9	1.003 ms	1.003 ms	1.067 ms	63.94 us	3.696 us	297
Meas5	GPIO delay for task 1	Ch1	14.30 ns	8.571 ns	25.39 ns	16.81 ns	6.584 ns	9	13.08 ns	8.527 ns	36.64 ns	28.11 ns	4.863 ns	297
Meas6	GPIO delay for task 2	Ch2	14.66 ns	9.367 ns	39.59 ns	30.22 ns	8.931 ns	10	13.16 ns	8.680 ns	39.59 ns	30.91 ns	5.782 ns	314

Views

Time Domain View



Plots

No Plots Available

Global Configuration

Gating	Jitter Separation Model	Dual Dirac Model	Display Unit Type	Standard Reference Levels	Jitter Reference Levels	Lock RJ
None	SpectralOnly	PCIExpress	Seconds	Every Acquisition	First Acquisition	false

Individual Measurement Configuration

Meas1 - Delay											
Ref Levels		Ref Levels		Edge		Filter		Configurations		Gating	
Global Enabled	True	Global Enabled	True	From Edge	FallingEdge	Filter Spec-High Pass (F1)	No Filter	Custom Measurement Name	Context Switching 1 to 2	Gating Type	None
Base Top Method	Automatic	Base Top Method	Automatic	Search Direction	Forward	Filter Spec-Low Pass(F2)	No Filter				
RiseHigh	90%	RiseHigh	90%	To Edge	RisingEdge						
RiseMid	50%	RiseMid	50%								
RiseLow	10%	RiseLow	10%								
FallHigh	90%	FallHigh	90%								
FallMid	50%	FallMid	50%								
FallLow	10%	FallLow	10%								
Hysteresis	5%	Hysteresis	5%								

Meas2 - Delay											
Ref Levels		Ref Levels		Edge		Filter		Configurations		Gating	
Global Enabled	True	Global Enabled	True	From Edge	FallingEdge	Filter Spec-High Pass (F1)	No Filter	Custom Measurement Name	Context Switching 2 to 1	Gating Type	None
Base Top Method	Automatic	Base Top Method	Automatic	Search Direction	Forward	Filter Spec-Low Pass(F2)	No Filter				
RiseHigh	90%	RiseHigh	90%	To Edge	RisingEdge						
RiseMid	50%	RiseMid	50%								
RiseLow	10%	RiseLow	10%								
FallHigh	90%	FallHigh	90%								
FallMid	50%	FallMid	50%								
FallLow	10%	FallLow	10%								
Hysteresis	5%	Hysteresis	5%								

Meas3 - High Time							
Ref Levels		Filter		Configurations		Gating	
Global Enabled	True	Filter Spec-High Pass(F1)	No Filter	Custom Measurement Name	Time for task 1	Gating Type	None
Base Top Method	Automatic	Filter Spec-Low Pass(F2)	No Filter				
RiseHigh	90%						
RiseMid	50%						
RiseLow	10%						
FallHigh	90%						
FallMid	50%						
FallLow	10%						
Hysteresis	5%						

Meas4 - High Time							
Ref Levels		Filter		Configurations		Gating	
Global Enabled	True	Filter Spec-High Pass(F1)	No Filter	Custom Measurement Name	Time for task 2	Gating Type	None
Base Top Method	Automatic	Filter Spec-Low Pass(F2)	No Filter				
RiseHigh	90%						
RiseMid	50%						
RiseLow	10%						
FallHigh	90%						
FallMid	50%						
FallLow	10%						
Hysteresis	5%						

Meas5 - Rise Time											
Ref Levels		Edge		ClockRecovery		Filter		Configurations		Gating	
Global Enabled	True			Method	Constant Clock	Filter Spec-High Pass (F1)	No Filter	Custom Measurement Name	GPIO delay for task 1	Gating Type	None
Base Top Method	Automatic			Mode	Mean	Filter Spec-Low Pass(F2)	No Filter				
RiseHigh	90%			Calculated On	Every Acquisition						
RiseMid	50%										

RiseLow	10%										
FallHigh	90%										
FallMid	50%										
FallLow	10%										
Hysteresis	5%										

Meas6 - Rise Time											
Ref Levels		Edge		ClockRecovery		Filter		Configurations		Gating	
Global Enabled	True			Method	Constant Clock	Filter Spec-High Pass (F1)	No Filter	Custom Measurement Name	GPIO delay for task 2	Gating Type	None
Base Top Method	Automatic			Mode	Mean	Filter Spec-Low Pass(F2)	No Filter				
RiseHigh	90%			Calculated On	Every Acquisition						
RiseMid	50%										
RiseLow	10%										
FallHigh	90%										
FallMid	50%										
FallLow	10%										
Hysteresis	5%										