TSF Library - ATMLDemoRTCASSLib

Schema Name:- ATMLDemoRTCASSLib
Version:- 1.2
Schema Location:- ATMLDemoRTCASSLib.xsd
namespace:- ATMLDemoRTCASSLib
prefix:- this
Description:-
RTCASS ATML Demo Capability TSF Library

ACSignal

Definition

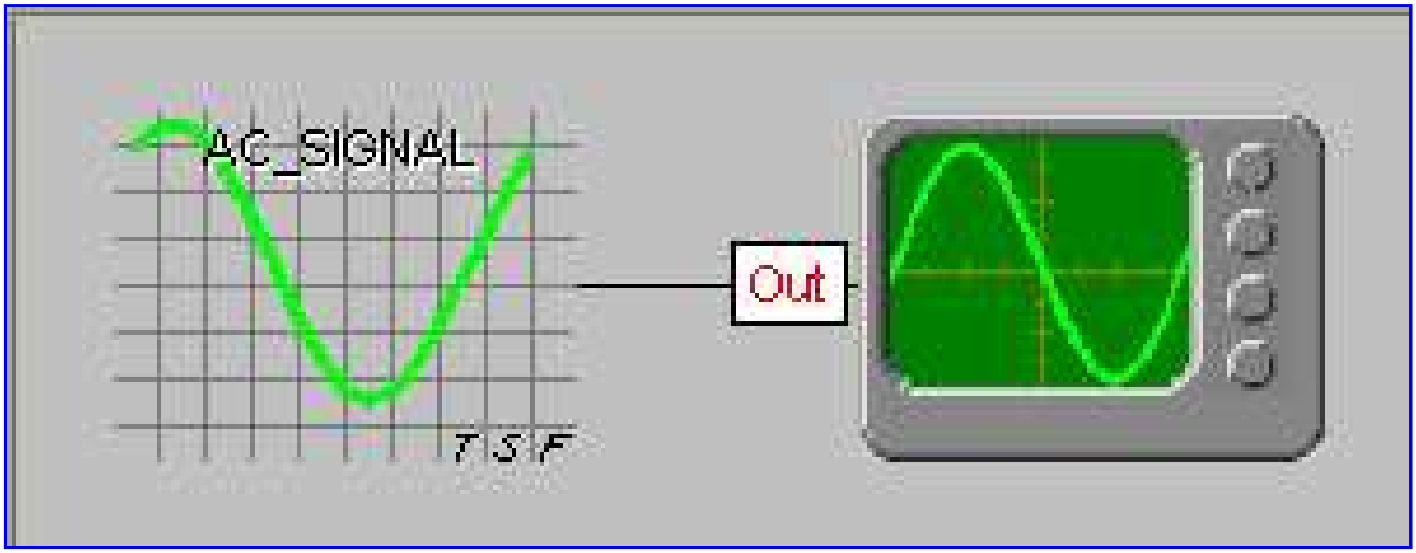

Figure 1-TSF ACSignal(ACSignal)

Interface Properties

Table 1-TSF ACSignal Interface

Description	Name	Type	Default	Range
Insert a description for 'amplitude' here.	amplitude	Voltage		
Insert a description for 'frequency' here.	frequency	Frequency		

Notes

Model Description

Table 2-TSF ACSignal Model

Name	Type	Terminal	Inputs	Output	Formula
AC_SIGNAL8	AC_SIGNAL	Signal [Out]			
		ac_ampl	amplitude		

		dc_offset			0
		freq	frequency		
		phase			0 rad

Rules

Resistance

Definition

Figure 2-TSF Resistance(Resistance)

Interface Properties

Table 3-TSF Resistance Interface

Description	Name	Type	Default	Range
Insert a description for 'nominal' here.	nominal	Resistance		

Notes

Model Description

Table 4-TSF Resistance Model

Name	Type	Terminal	Inputs	Output	Formula
InstantaneousResistance4	Instantaneous	[Out]			
		measuredVariable	DEPENDENT		
		measurement			0
		samples			1
		count			0
		gateTime			1
		nominal	nominal		
		condition	NONE		
		GO	false		
		NOGO	false		
		HI	false		
		LO	false		
		UL			0
		LL			0
		Signal [In]	In		
In	In	Signal [Out]		InstantaneousResistance4	

Rules

ACMeasure

Definition

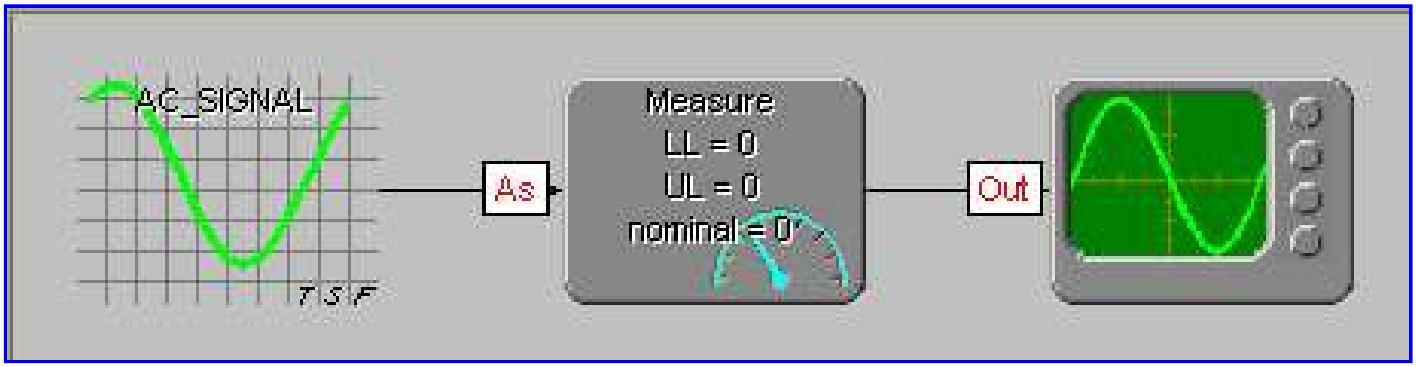

Figure 3-TSF ACMeasure(ACMeasure)

Interface Properties

Table 5-TSF ACMeasure Interface

Description	Name	Type	Default	Range
Insert a description for 'ac_ampl_range' here.	ac_ampl_range	Voltage		
Insert a description for 'freq' here.	freq	Frequency		

Notes

Model Description

Table 6-TSF ACMeasure Model

Name	Type	Terminal	Inputs	Output	Formula
Measure9	Measure	[Out]			
		measuredVariable	DEPENDENT		
		measurement			0
		samples			1
		count			0
		gateTime			1
		nominal			0
		condition	NONE		
		GO	false		
		NOGO	false		
		HI	false		
		LO	false		
		UL			0
		LL			0
		attribute	ac_ampl		
		AS [In]	AcSignal1		
AcSignal1	AC_SIGNAL	Signal [Out]			
		ac_ampl	ac_ampl_range		
		dc_offset			0
		freq	freq		
		phase			0 rad

Rules

ACMeasurePkPk

Definition

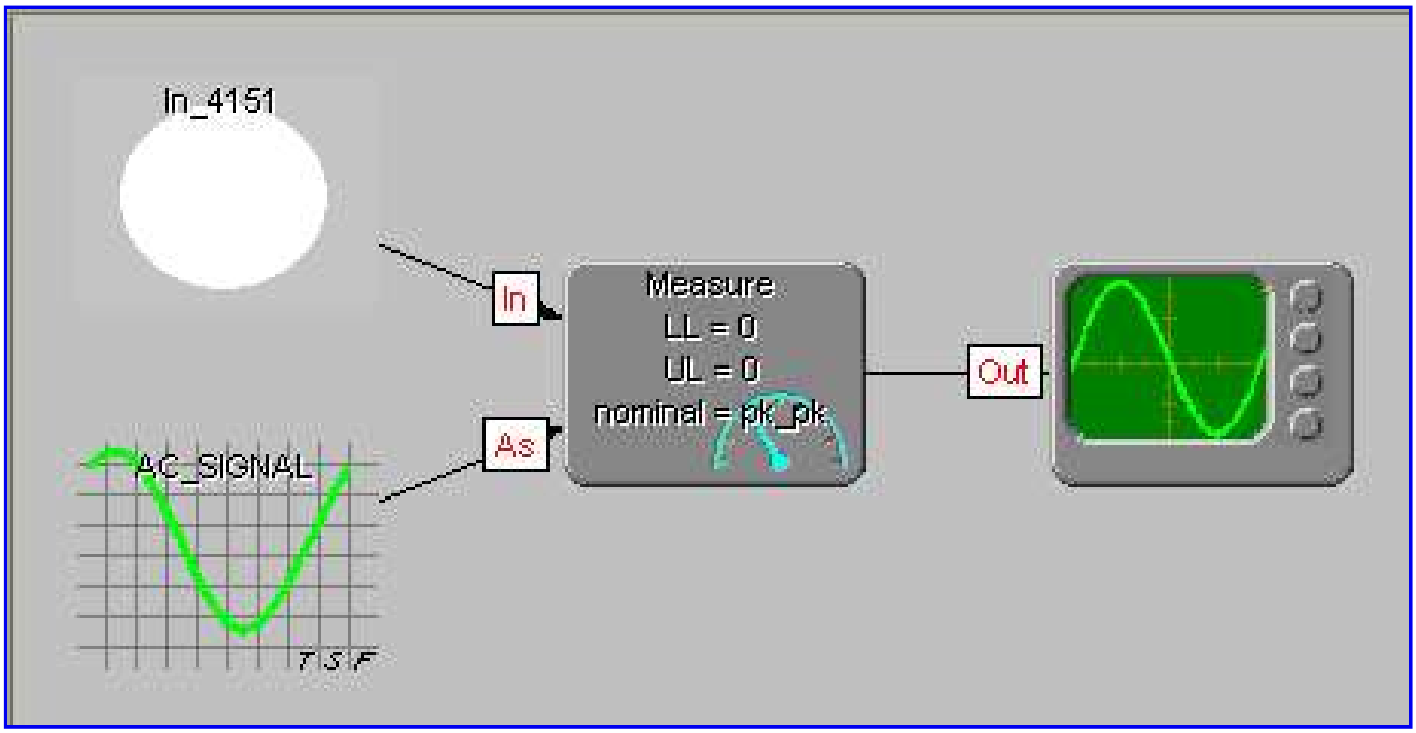

Figure 4-TSF ACMeasurePkPk(ACMeasurePkPk)

Interface Properties

Table 7-TSF ACMeasurePkPk Interface

Description	Name	Type	Default	Range
Insert a description for 'ac_ampl_range' here.	ac_ampl_range	Voltage		
Insert a description for 'freq' here.	freq	Frequency		

Notes

Model Description

Table 8-TSF ACMeasurePkPk Model

Name	Type	Terminal	Inputs	Output	Formula
Measure10	Measure	[Out]			
		measuredVariable	DEPENDENT		
		measurement			0
		samples			1
		count			0
		gateTime			1
		nominal	pk_pk		
		condition	NONE		
		GO	false		
		NOGO	false		

		HI	false		
		LO	false		
		UL			0
		LL			0
		attribute	ac_ampl		
		AS [In]	AC_SIGNAL10		
		Signal [In]	In		
AC_SIGNAL10	AC_SIGNAL	Signal [Out]			
		ac_ampl	ac_ampl_range		
		dc_offset			0
		freq	freq		
		phase			0 rad
In	In	Signal [Out]		Measure10	

Rules

DCVoltage

Definition

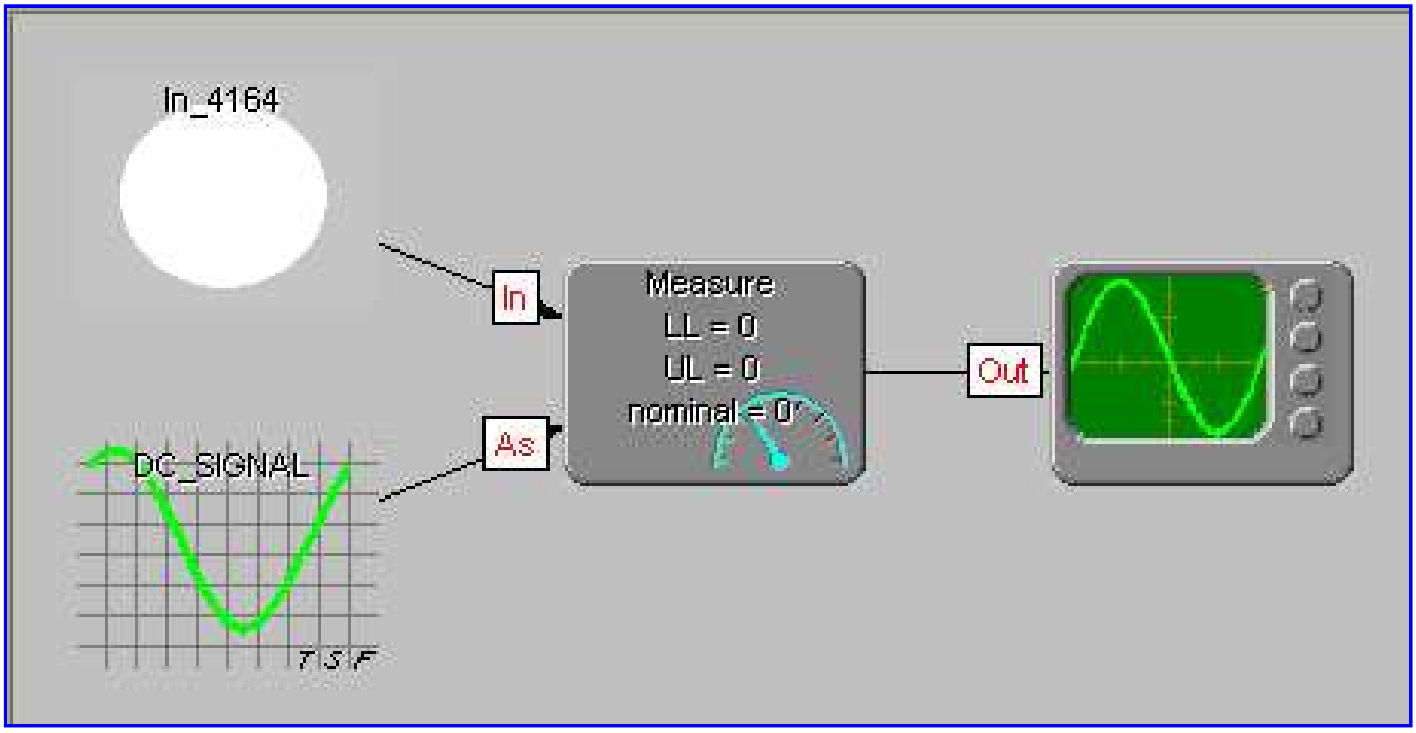

Figure 5-TSF DCVoltage(DCVoltage)

Interface Properties

Table 9-TSF DCVoltage Interface

Description	Name	Type	Default	Range
Insert a description for 'dc_range' here.	dc_range	Voltage		

Notes

Model Description

Table 10-TSF DCVoltage Model

Name	Type	Terminal	Inputs	Output	Formula
Measure11	Measure	[Out]			
		measuredVariable	DEPENDENT		
		measurement			0
		samples			1
		count			0
		gateTime			1
		nominal			0
		condition	NONE		
		GO	false		
		NOGO	false		
		HI	false		
		LO	false		
		UL			0
		LL			0
		attribute	dc_ampl		
		AS [In]	DC_SIGNAL8		
		Signal [In]	In		
DC_SIGNAL8	DC_SIGNAL	Signal [Out]			
		dc_ampl	dc_range		
		ac_ampl			0 V
		freq			0 Hz
		phase			0 rad
In	In	Signal [Out]		Measure11	

Rules

Short

Definition

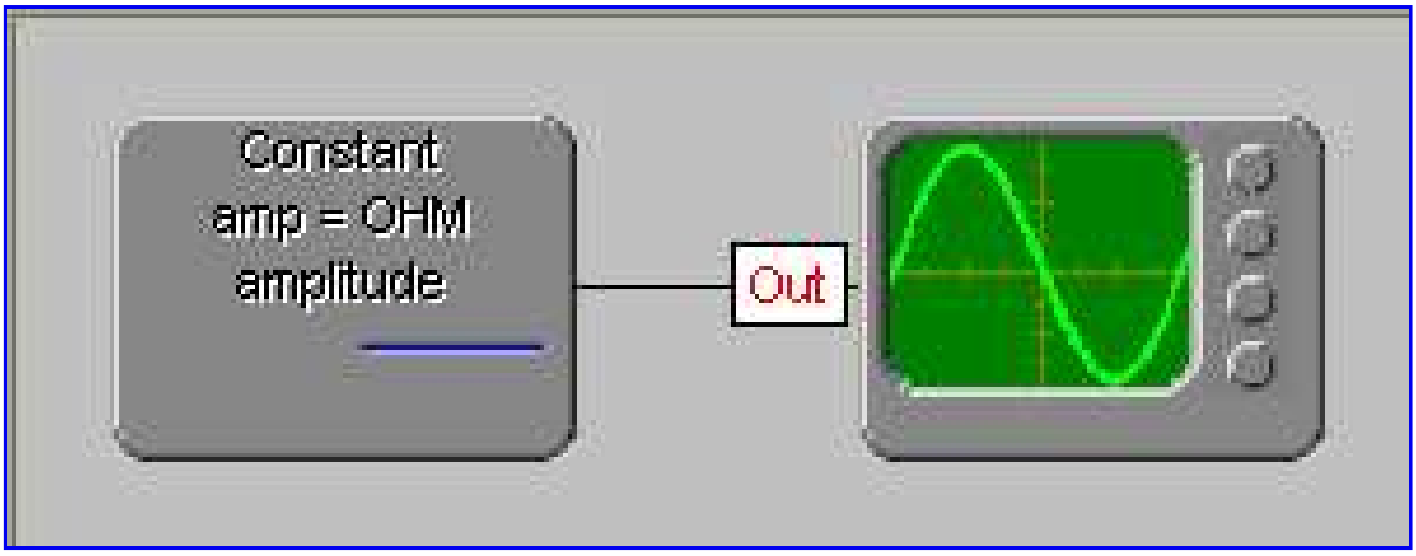

Figure 6-TSF Short(Short)

Interface Properties

Table 11-TSF Short Interface

Description	Name	Type	Default	Range
Insert a description for 'amplitude' here.	amplitude	Resistance		

Notes

Model Description

Table 12-TSF Short Model

Name	Type	Terminal	Inputs	Output	Formula
ConstantResistance20	Constant	Signal [Out]			
		amplitude	amplitude		

Rules

DC

Definition

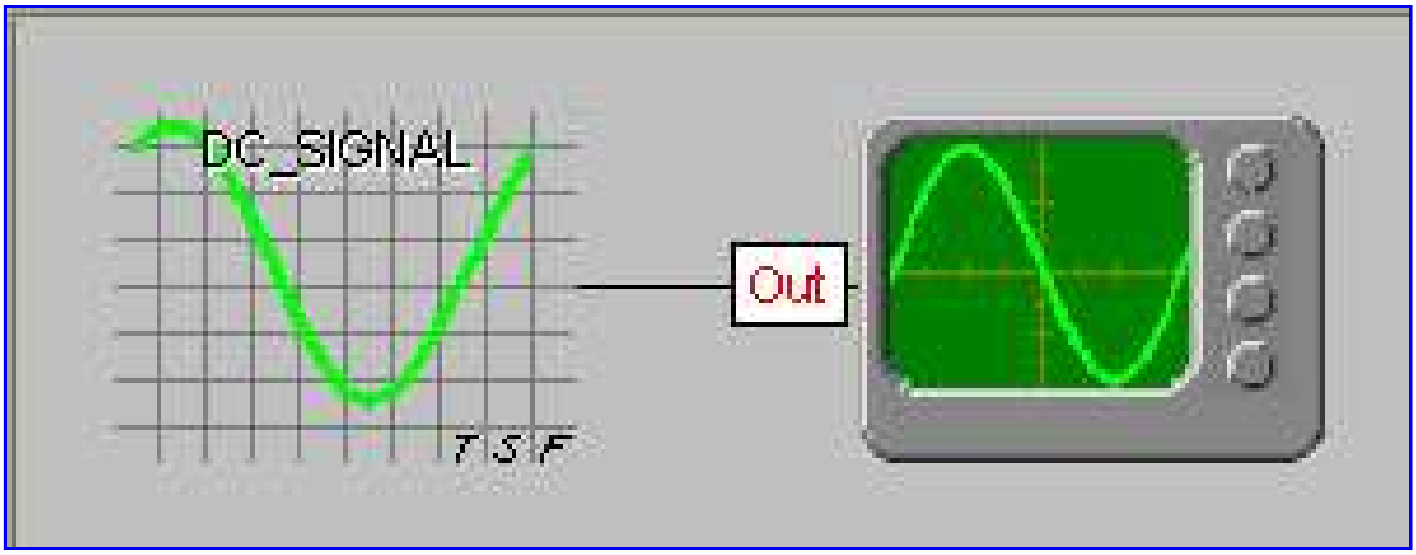

Figure 7-TSF DC(DC)

Interface Properties

Table 13-TSF DC Interface

Description	Name	Type	Default	Range
Insert a description for 'dc_ampl' here.	dc_ampl	Voltage		

Notes

Model Description

Table 14-TSF DC Model

Name	Type	Terminal	Inputs	Output	Formula
DC_SIGNAL9	DC_SIGNAL	Signal [Out]			
		dc_ampl	dc_ampl		
		ac_ampl			0 V
		freq			0 Hz
		phase			0 rad

Rules