



Signal	Source	Meaning
FULL	Datapath: BRAM Counter	0 = BRAM is not full 1 = BRAM is full
SAMPLE	Datapath: Sample Interval Counter	0 = Sample interval is not over 1 = Sampling interval is over
TRIGGER	Datapath: AND gate	0 = No trigger event 1 = Trigger event has occurred
STORE	Datapath: SR Latch	0 = Do not store AD7606 samples in BRAM 1 = Store Ad7606 samples into BRAM
FORCED	Acquire: Button Process	0 = Trigger event starts acquisition of sample into BRAM 1 = User will start acquisition of samples into BRAM with button press
SINGLE	Acquire Button Process	0 = User has not pressed button to start acquisition 1 = User has pressed button to start acquisition of samples into BRAM

full, forced \ trig, store	0 0	0 1	1 1	1 1
0 0				
0 1				
1 1				
1 0				