

## JTAG - BOUNDARY SCAN INTERFACE TIMING CHARACTERISTICS

Operating conditions:

TEMPERATURE: -15.00 (min) 110.00 (max)

VOLTAGE : 1.60 (min) 1.40 (max)

OUTPUT LOAD : 25.0pf

INPUT DRIVE : CMOS BUFFER

Num	Characteristic	Min	Max	Unit
62	TCK low to TDO valid		21	ns
63	TCK low to TDO HighZ		21	ns
64	TDI setup to TCK rising	1		ns
65	TDI hold from TCK rising	3		ns
66	TRST_width	1		Ttck
68	TMS setup to TCK rising	1		ns
69	TMS hold to TCK rising	3		ns

Figure 1. JTAG-Boundary Scan Timing Interface