Signal	Description	Min	Typ	Max
t1	EMV hardware propagation delay (3.3V TTL to trigger)		10 ns	
	MV hardware propagation delay (5V to trigger optocoupler)		8 us ON 30 us OFF (Note 1)	
	MV hardware propagation delay (12V to trigger optocoupler)		2.5 us ON 40 us OFF (Note 1)	
t2	Debounce time	1.0 us	1 us (default for Rev 4)	50.0 us (default for Rev 3)
t3	Programmable GPO delay	0.0 us	in 10 us steps	2.5 sec
t4	Start of trigger to start of GPO (t1 + t2 + t3 + t15)		9.0 us	
t5	Programmable GPO time	10.0 us	in 10 us steps	2.5 sec
t6	Programmable integration delay	0.0 us	in 10 us steps	2.5 sec
t7	Start of trigger to start of integration (t1 + t2 + t6 + t17)		25.0 us (Note 2)	
t8	Integration time	10.0 us	in 10 us steps	1.0 sec
t9	End of integration to start of read out		21.0 us	
t10	Read out time		See Readout Times	
t11	End of read out to start of trigger	19 us (no updates)	depends on updates	1.0 ms (with descriptors)
t12	Start of trigger to start of busy		t1 + t2	
t13	End of busy to start of trigger		25.0 ns	
t14	Frame period		t7 + t8 + t9 + t10 + t11	
t15 & t16	EMV hardware propagation delay (3.3V TTL from GPO)		20 ns	
	MV hardware propagation delay (GPO optocoupler with 1K pullup to 5V)		3 us ON 43 us OFF (Note 1)	
t17	ILT shutter setup time		PL-B952/953 - 7.8 us PL-B954/955/871 - 13.5 us PL-B954h/955h - 12.5 us PL-B956/957/872 - 10.2 us PL-B958/959 - 9.5 us PL-B873 - 12 us	