	Current Instruction		L1					L2				L3/L4									
PIO	CTRL	50200000	0x00000001																		
	FSTAT	50200004	0x0f000f01																		0x0f000f01
	FDEBUG	50200008	0x00000000																		0x01000e00
	FLEVEL	5020000c	0x00000000																		
	SM0_CLKDIV	502000c8	0x000fa000																		
	SM0_EXECCTRL	502000cc	0x00017a00																		0x00013800
	SM0_SHIFTCTRL	502000d0	0x40060000																		0x40060000
	SM0_ADDR	502000d4	0x00000014																		0x00000010
	SM0_INSTR	502000d8	0x00006221	0x00006221	0x00006221	0x00006221	0x00006221	0x00001123	0x00001123	0x00001123	0x00001123	0x0000a442	0x0000a442	0x0000a442	0x0000a442	0x0000a442	0x0000a442	0x0000a442	0x0000a442	0x0000a442	0x00006221
	SM0_PINCTRL	502000dc	0x20003000																		0x20003000
GPIO status register		0x40014058	0x070e3300	0x070e3300	0x070e3300	0x070e3300	0x070e3300														
RGBC Data Register		0x00a2c8c8																			
GPIO output pin voltage		1.8/3.3	1.8	1.8	1.8	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
WS2812 serial input pin voltage		0.7VDD/0.3VDD	0.3VDD	0.3VDD	0.3VDD	0.3VDD	0.3VDD	0.3VDD	0.3VDD	0.3VDD	0.3VDD	0.3VDD	0.3VDD	0.3VDD	0.3VDD	0.3VDD	0.3VDD	0.3VDD	0.3VDD	0.3VDD	0.3VDD
WS2812 supply voltage	LUM RED	1.8-2.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	LUM GREEN	3.0-3.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	LUM BLUE	3.2-3.4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WS2812 Luminance	RED	550-700	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	GREEN	1100-1400	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	BLUE	200-400	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
APDS-9960 Photodiode output voltage	RED	-0.3 - 3.8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	GREEN	-0.3 - 3.8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	BLUE	-0.3 - 3.8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	CLEAR	-0.3 - 3.8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ATIME=0xfe		27.8ms																			