1. Si1143-AAGX Information

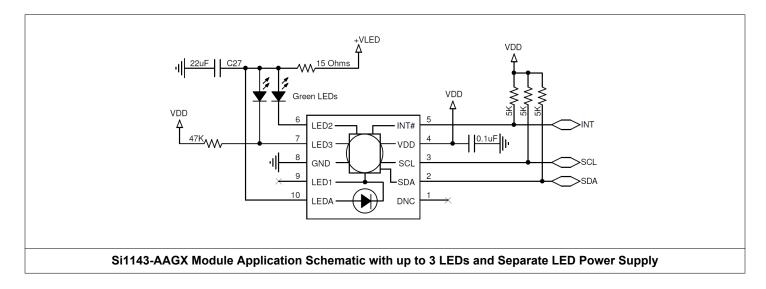


Table 1.1. Recommended Operating Conditions

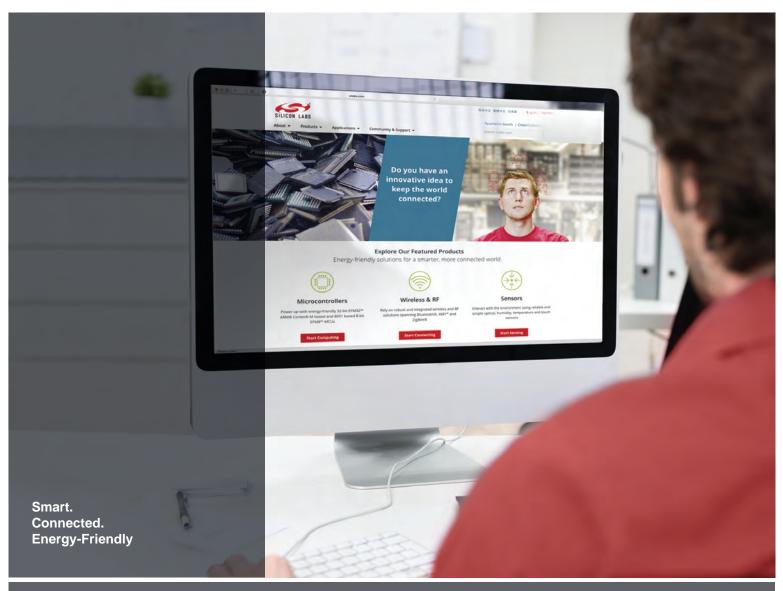
Parameter	Symbol	Test Condition	Min	Тур	Max	Unit
V _{DD} Supply Voltage	V _{DD}		1.71	_	3.6	V
V _{DD} OFF Supply Voltage	V _{DD_OFF}	OFF mode	-0.3		1.0	V
V _{DD} Supply Ripple Voltage ¹		V _{DD} = 3.3 V	_	_	50	m∨pp
		1 kHz – 10 MHz				PP
Operating Temperature	Т		-40	25	85	°C
SCL, SDA, Input High Logic Voltage	I ² CVIH		V _{DD} x 0.7	_	V _{DD}	V
SCL, SDA Input Low Logic	I ² CVIL		0	_	V _{DD} x 0.3	V
Voltage						
LED Emission Wavelength	I		_	525	_	nm
LED Supply Voltage	VLED		4.1	_	5.0	V
LED Supply Ripple Voltage ¹		0–30 kHz				
		30 kHz – 100 MHz	_	_	250	m∨pp
			_	_	100	mVpp
Start-Up Time		V _{DD} above 1.71 V	25	_	_	ms
LED3 Voltage		Start-up	V _{DD} x 0.77	_	_	V

Note:

1. Supply voltage ripple sensitivity depends on the voltage at the LEDx pins when turned on.

Table 1.2. Ordering Guide

Part Number	Package	LED Drivers
Si1143-AAGX-GMR	4.9 x 2.85 x 1.2 mm LGA Module	3 LED drivers, 1 green LED integrated









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