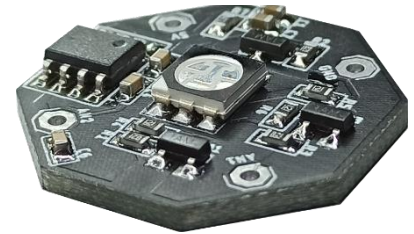


FEATURES

- ▮ Low Power Consumption:
 - RGB5VB-1FX: 0.40 W (Max.)
 - RGB5VB-4FX: 1.15 W (Max.)
- ▮ High Light Intensity [@25°C]:
 - Foryard: R:700, G:1500, B:450 [mcd]
 - Honglitronic: R:270, G:1000, B:210 [mcd]
- ▮ Analog Control:
 - RGB5VB-XXN: Color & Brightness
 - RGB5VB-XXS: Transition Period & Brightness
- ▮ Lens Type: Water Clear
- ▮ Operating Voltage: 4.8V – 5.2V

RGB5VB - 1FX



RGB5VB - 4FX



Product Name	Number of LEDs	LED Manufacturer	Program	Control	
				AN1	AN2
RGB5VB - 1FS	1	FORYARD	Standard LED	Brightness	Color
RGB5VB - 1FT	1	FORYARD	Color Transition	Brightness	Period
RGB5VB - 1HS	1	HONGLITRONIC	Standard LED	Brightness	Color
RGB5VB - 1HT	1	HONGLITRONIC	Color Transition	Brightness	Period
RGB5VB - 4FS	4	FORYARD	Standard LED	Color	Brightness
RGB5VB - 4FT	4	FORYARD	Color Transition	Period	Brightness
RGB5VB - 4HS	4	HONGLITRONIC	Standard LED	Color	Brightness
RGB5VB - 4HT	4	HONGLITRONIC	Color Transition	Period	Brightness

Table 1: RGB5VB-X Product Codes And Control Options.

ELECTRICAL SPECIFICATIONS

▮ Pushing the device to operate above the “Max.” listed in the table below may cause the device to overheat and to take up permanent damage. It is inconclusive that the device will function beyond the operating limits as set out in this technical document. Prolonged exposure to work under “maximum” rating conditions may affect device reliability.

Conditions: Unless Otherwise Noted, $T_o = +25^{\circ}C$						
Parameters	Sym	Min	Typ	Max	Units	Condition
Input Voltage	5V	4.8	5	5.2	V	DC
Input Current	I_{IN_1LED}	3.2	—	80	mA	5V Input
	I_{IN_4LED}	3.2	—	230		
AN Input Range	$V_{AN1,2}$	0	—	5	V	Note 1

Table 2: Electrical Characteristics.

Note 1: No pull-up or pull-down resistors were used for AN inputs.

PIN DESCRIPTION AND GRAPHS

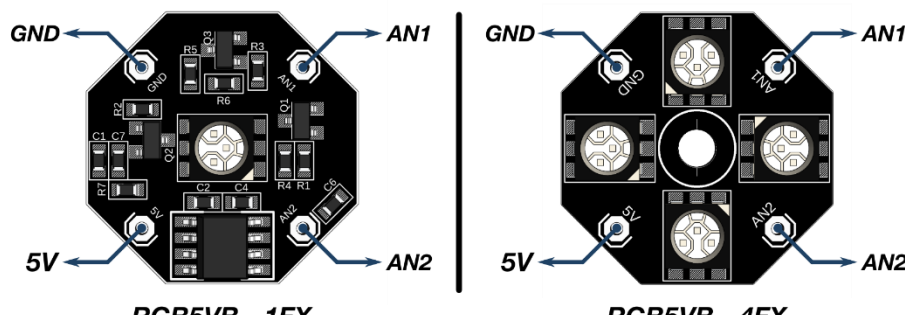
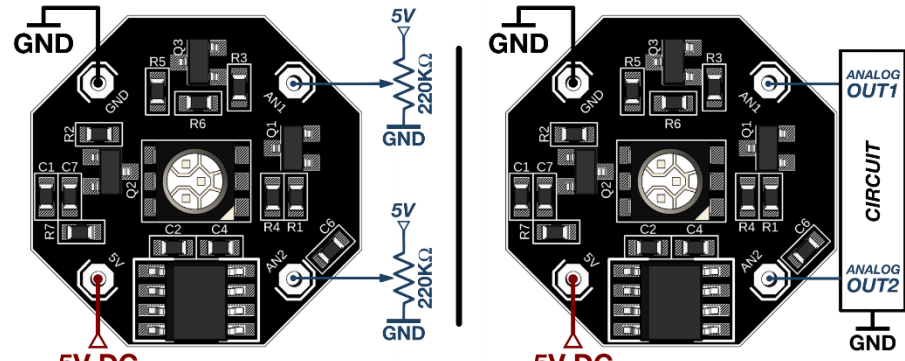
Pin Outs	 <p style="text-align: center;">RGB5VB - 1FX RGB5VB - 4FX</p>	
Typical Application Schemes		
Pin	Descriptions	Notes
5V	5V Supply Input	-
GND	Reference Input	-
AN1	Analog 1 Input	The functions of analog inputs may vary according to the chip program. To examine program types, see Table 1 .
AN2	Analog 2 Input	

Table 3: Pin Descriptions and Typical Application Diagrams.

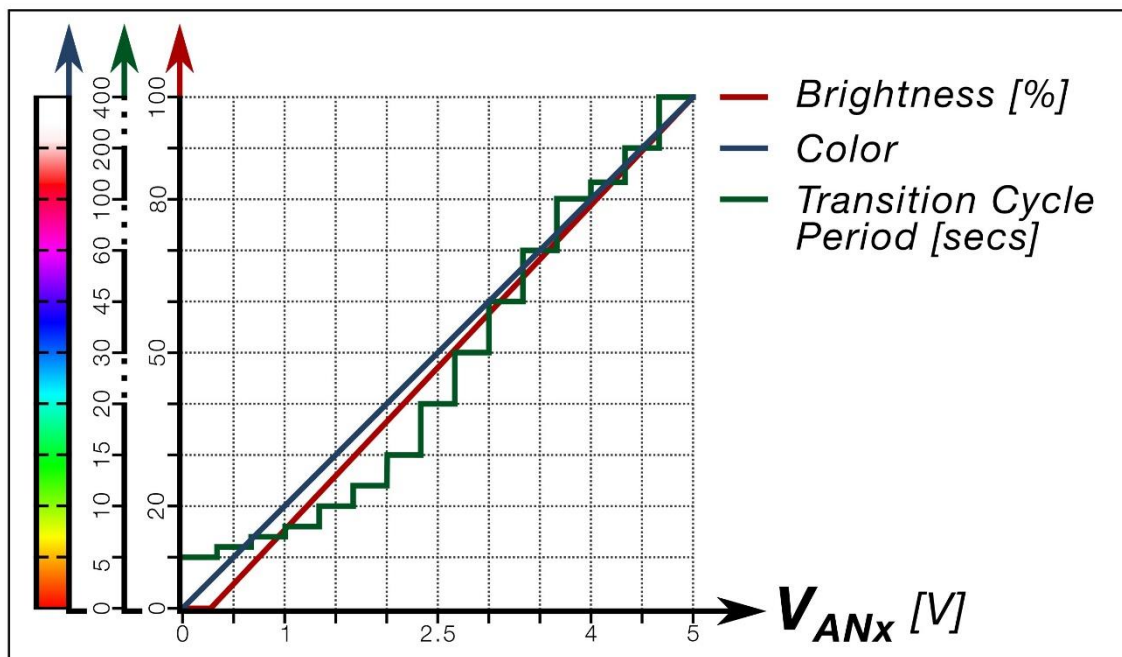
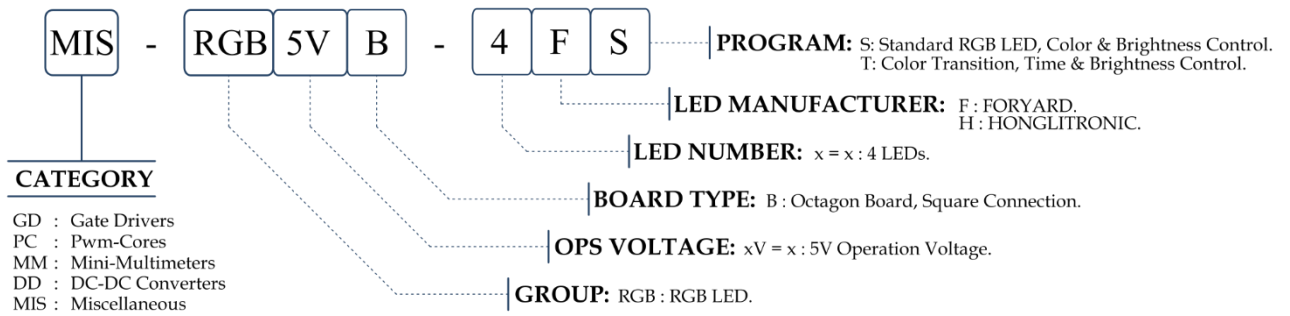
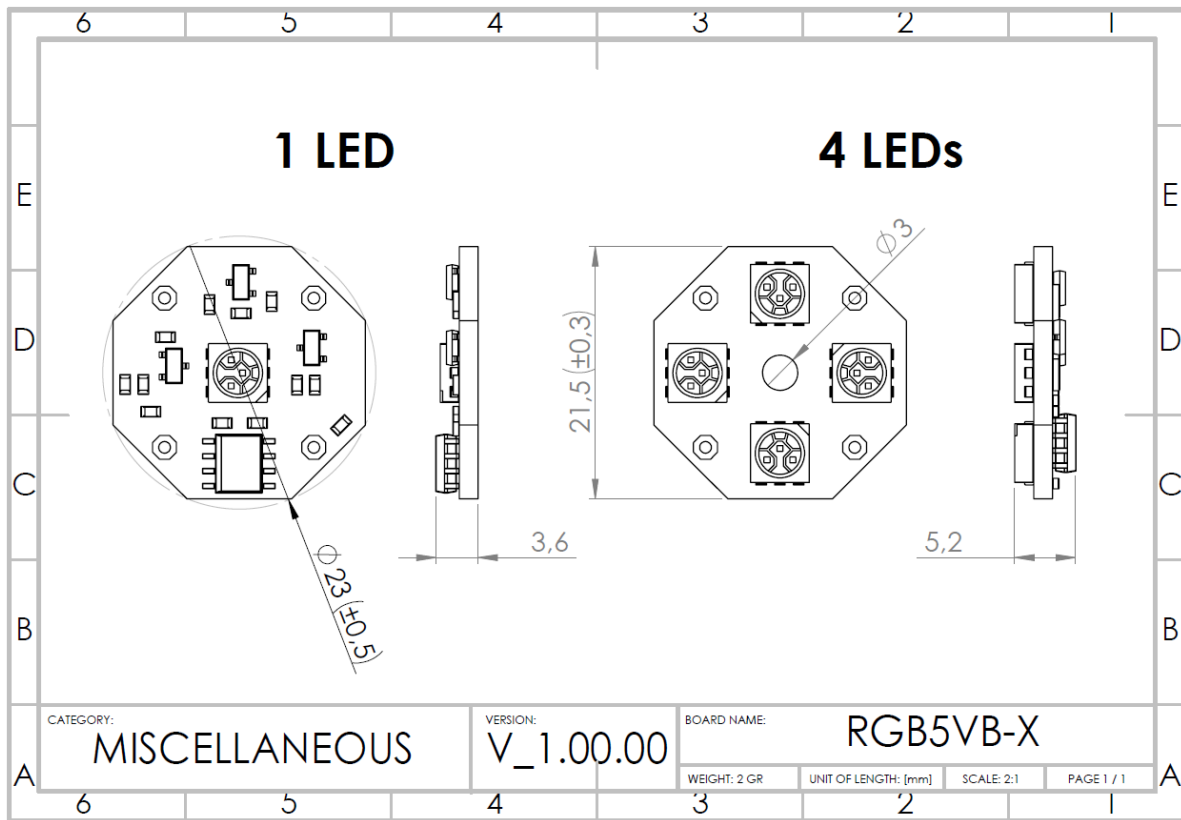


Figure 1: Graph Showing Brightness [%], Color and Color Transition Period [Seconds] According to Voltage Level in Analog Inputs.

PRODUCT CODE



TECHNICAL DRAWING



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