

RL78 Family RTK7RLG240P00000BJ RL78/G24 DC/DC LED Control Evaluation Board Precautions for use

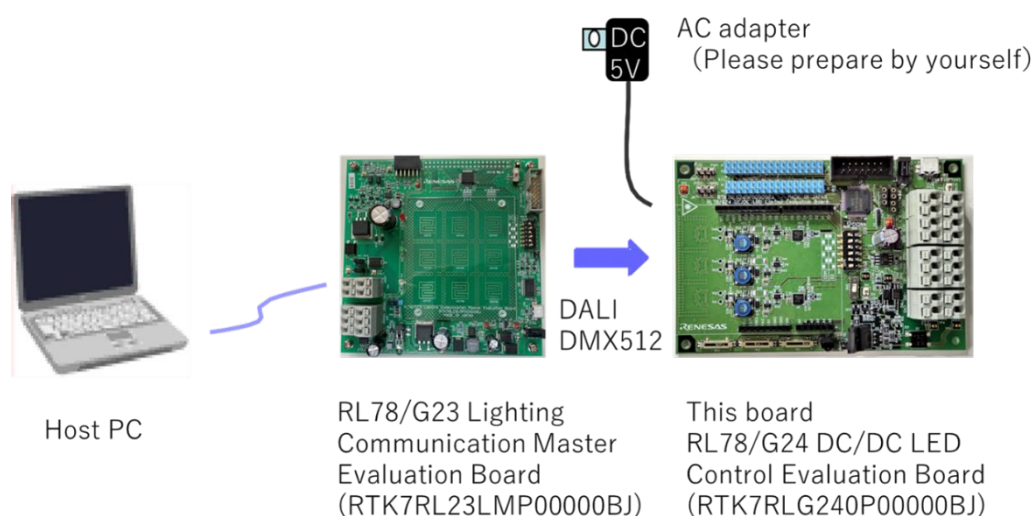
1. Overview

This board is used to evaluate LED, DC/DC control and communication by the RL78/G24 microcontroller.

This board can operate with the 5 VDC power supply provided by an AC adapter, which should be prepared separately. The customer should also prepare USB cable.

By using the RL78/G23 Lighting Communication Master Evaluation Board (RTK7RL23LMP00000B) and a GUI tool (which can be downloaded from the Renesas Electronics' website), dimming evaluation by DALI-2, DMX512 or infrared data communication protocol is possible.

Figure 1-1 Board connection



Prepare an USB cable and an AC adapter that satisfies the following:

USB Cable

- TYPE MINI-B that can data communication

AC adapter

- Output Voltage : DC5V
- Output current : > 2A
- Connector : EIAJ-2 (outer diameter: 4.0 mm, inner diameter: 1.7 mm)



- Circuit type : Switching regulator type with overcurrent protection circuit
- Do not use an AC adapter whose output voltage is guaranteed only when the rated load current flows.



Warning



Use AC adapter adapted to safety standard of each county.

Using non-adopt AC adapter cause product failure, generation of heat, fire or electric shock.

2.Appearance of the board

Figure 2-1 Surface appearance (TOP View)

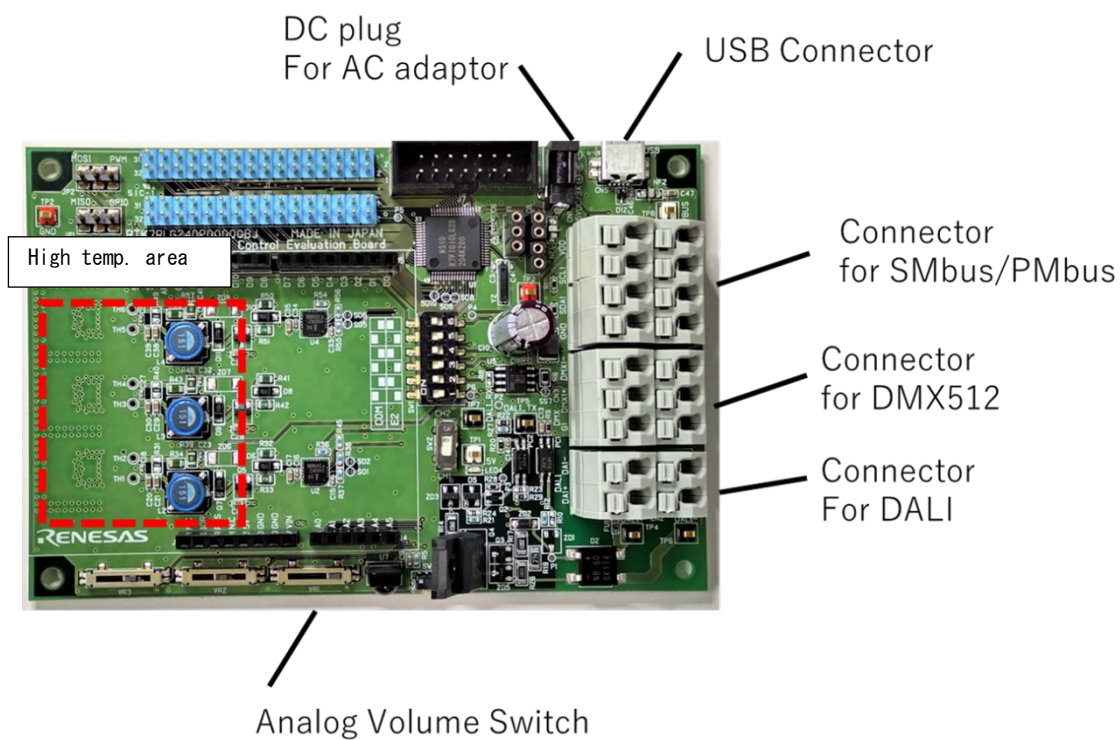
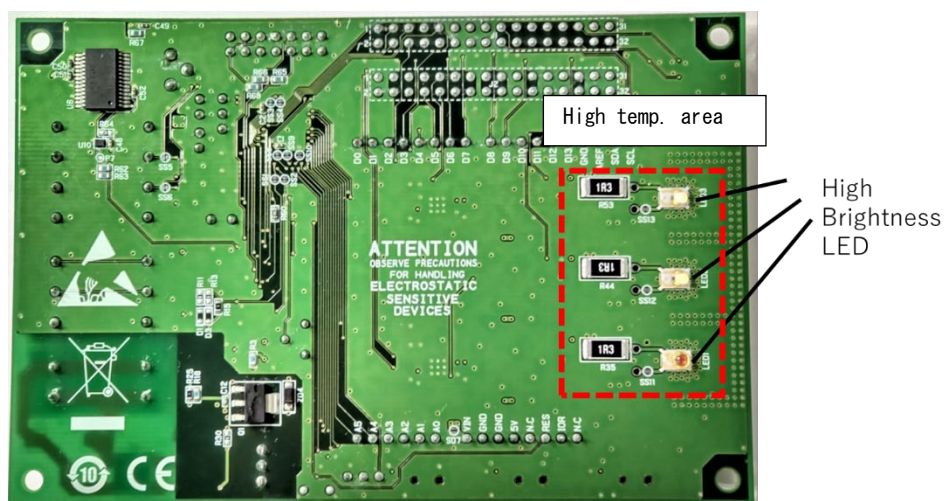


Figure 2-1 Surface appearance (Bottom View)





Warning

**Be careful to burns.**

The part of board especially the area enclosed with dot line becomes high temperature.

**Do not look LEDs on this board directly.**

Doing so may cause weakening eyesight.

Use this board so that LED mounting surface becomes the lower (the back).

**Use specified AC adapter.**

Using AC adapter except specified cause product failure, generation of heat, fire or electric shock.



Caution

**Do not touch LEDs on this board directly.**

Doing so may cause product failure.

As for usage of this board, please download the User's Manual from following

URL: https://www.renesas.com/rl78g24_dcdc_led_control_evaluation_board/

● 有害物质或元素含有情况表

产品中有害物质的名称及含量

10 部件名称	有害物质					
	铅 (Pb)	汞 (Hg)	镉 (Cd)	六价铬 (Cr(VI))	多溴联苯 (PBB)	多溴二苯醚 (PBDE)
外壳	0	0	0	0	0	0
电路板	X	0	0	0	0	0
连接线	X	0	0	0	0	0
插座	X	0	0	0	0	0
AC 适配器	X	0	0	0	0	0

本表格依据 SJ/T 11364 的规定编制。

0: 表示该有害物质在该部件所有均质材料中的含量均在 GB/T 26572 规定的限量要求以下。X: 表示该有害物质至少在该部件的某一均质材料中的含量超出 GB/T 26572 规定的限量要求。



该标识适用于在中华人民共和国境内销售的电子信息产品。本产品的使用年限是组装到整机中，通常情况下能使用的年限。

图形中间的数字表示电子信息产品的环保使用期限。

特别提示) 该表中包括在电子情报产品系列产品所有的附件。产品不同时，包装内的附件会有所不同。

● 识别生产日期的方法

请通过产品外包装箱上的序列号识别生产日期。如) 在条码附近被表示 生产日期为2010年

