

(1) Documents

Download the user's manual and sample programs from the Web site below or the QR code and check the full specifications before using the board.

URL: https://www.renesas.com/rl78g23_lcm_evaluation_board/



(2) Board specifications

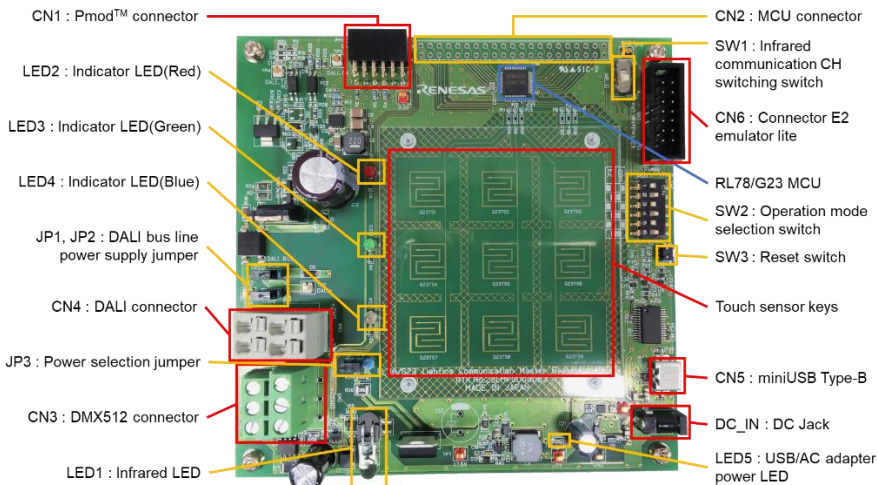
Item	Specification
MCU used	Model Number: R7F100GGG2DFB Package: 48-pin LQFP Internal memory: ROM 128KB、RAM 16KB、Data Flash 8KB
Board size	120mm×120mm
Power	MCU power supply (VDD): 3.3V DMX512, Infrared LED power supply voltage: 4.7V
Power supply (input) ^{*1}	USB Connector: VBUS(5V) DC Jack: 5V/2A DALI Connector (DALI bus power supply): 10V/55mA(typ.)~20.5V/29mA(typ.)
Power supply (DALI bus power output) ^{*2}	Powered by USB: 16V/35mA (typ.) Powered by AC adapter: 16V/223mA (typ.)
Consumption Current	Maximum 760mA (when powered by AC adapter)
Applicable Adapter Plug ^{*3}	JEITA RC-5320A TYPE2
Push Switch	Reset Switch
Slide Switch	CH switching switch for infrared communication
DIP Switch	Operation mode selection switch
Touch Sensor Key	Mutual capacitance method, 3 x 3 matrix electrode circuit
LED	USB or AC adapter power LED: (Green) x 1 Indicator LED: (Red) x 1, (Green) x 1, (Blue) x 1 Infrared LED x 1
USB Connector	Connector: miniUSB Type-B
Pmod™ Connector	12pin Connector: Pmod™ Type6A
Emulator Connector	14pin Connector (For connecting to E2 Emulator Lite)
DALI Connector	DALI Compliant interface
DMX512 Connector	DMX512 (RDM-DMX) Compliant interface
MCU Connector	42pin Connector (Unmounted)

*1: The factory default power supply is the USB setting; change the jumper setting when AC adapter power is to be supplied.

*2: From the listed current value, supply the current consumption of this board.

*3: For details on DC jack specifications, refer to Chapter 2.4.2 Power Supply in User's Manual.

(3) Parts layout



● 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

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

