

Diffusion : Internal

 External

C321191 0020 – A1
MOUNTING SPECIFICATION RCU BIKE Gen2

LDL Technology	Name	Function	Date	Signature
Redaction	P.FRIBURGER	MD	17/02/2023	
Check	L.LAFRANCHIS	MD Manager	17/02/2023	
Approval	C.Estebar	PM	17/02/2023	 C. Estebar Esteban Christophe

Customer	Company Name			
	Name	Function	Date	Signature
Approval				

Distribution list: Project Leader

CHANGE HISTORY

Date	Revision	Change of content
06/12/2022	A0	Création
17/02/2023	A1	New recommended screwing torque (4 +/-0.5N.m)

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1. OBJECT

This document is the mounting procedure of the RCU BIKE Gen2 version 434Mhz and 315Mhz.

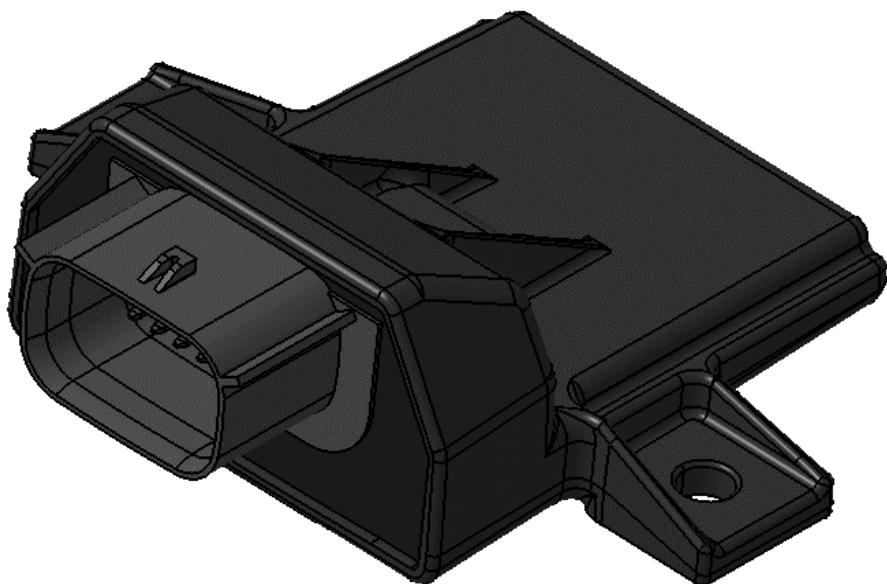
2. ABBREVIATIONS

RCU	Receiver Control Unit
NA	Not available
FCC	Federal Communications Commission
CHC	hexagon socket head screw
RF	Radio frequency
PU	Polyurethane
MD	Mechanical Design

3. DESCRIPTION

3.1. EXTERNAL DESCRIPTION

Part	Material	Characteristics
Housing	Thermoplastic	PBT
Potting	PU	
Connector	Thermoplastic	IP67

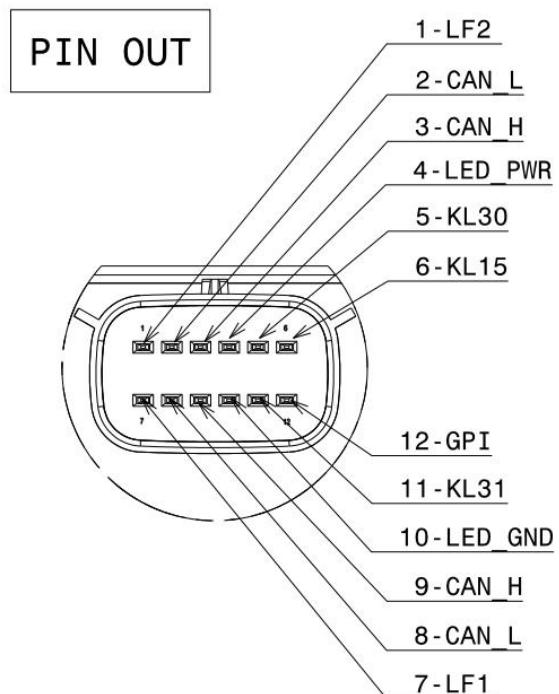


3.2. MECHANICALS FEATURES

Total Mass	100 g
Dimensions (L x W x H)	88 x 94.54 x 32.47 mm
1 Connector (12 Ways)	MOLEX MX120G

3.3. CONNECTOR PIN OUT

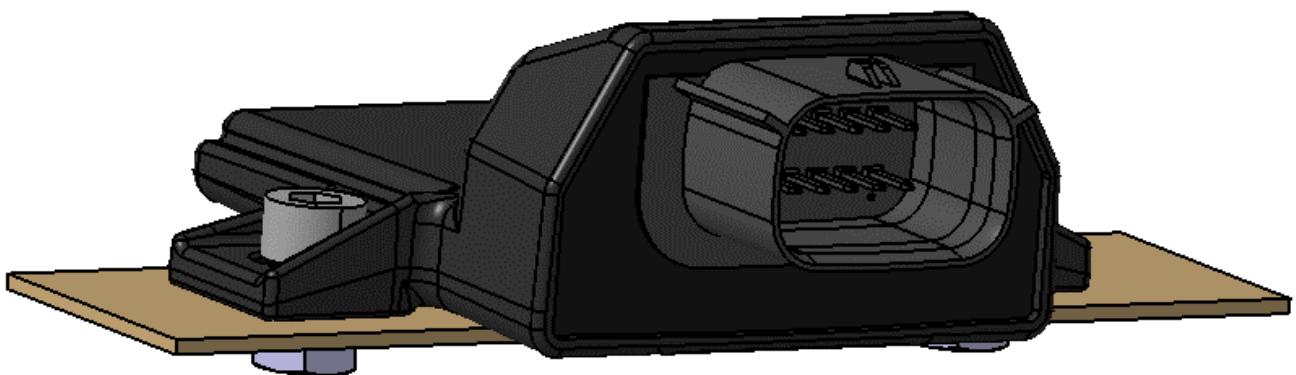
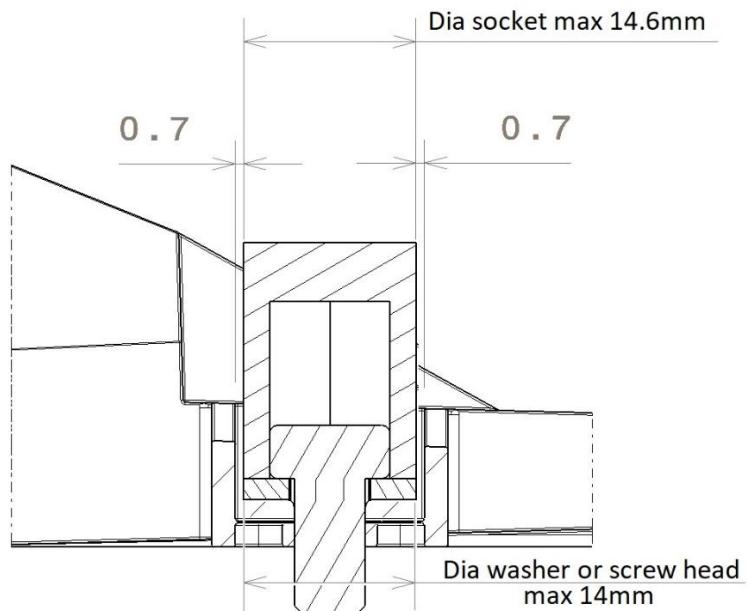
WARNING / See Product System Specification (SPD)



4. MOUNTING

4.1. MOUNTING RECOMMENDATIONS

- Fixations are not provided by LDL. It is recommended to use M6 Screw (torque 4N.m+/-0.5) – with washer recommended serie M Ø14mm .
- It is possible to used CHC or hexagonal screw.
- Put a washer between head screw and RCU.
- The equipment shall be not accessible and protected from mechanical shocks after installation.
- The bracket design and position will be validated by LDL.



5. SAFETY INSTRUCTION

System installation must be done by qualified technicians for Electrical and Mechanical operations. These operators must be trained specifically to operate on LDL products before processing.

In general, technicians have to respect:

- Safety instructions from vehicle manufacturer

- Safety instructions from vehicle owner

- Dedicated clothes and protections are recommended as gloves, glasses, reinforced shoes, helmet, ...

Before processing, vehicle must be secured in a parking position, working zone must be clean and sufficiently enlightened. The work area must be secure and ensure a restricted access layout.

If a part of the system is damaged in operation, replace it only with original equipment from the original supplier, this is the way to ensure optimal system safety.

Periodic check is recommended on system integrity (fixation, connection...) according to vehicle owner maintenance plan.

6. FCC/IC REGULATORY NOTICES

6.1. MODIFICATION STATEMENT

LDL Technology do not approve any changes or modifications to this device by the user. Any changes or modifications could void the user's authority to operate the equipment.

6.2. INTERFERENCE STATEMENT

This device complies with Part 15 of the FCC Rules and Industry Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

6.3. RADIATION EXPOSURE STATEMENT

This device complies with FCC/IC radiation exposure limits set forth for an uncontrolled environment and meets the FCC radio frequency (RF) Exposure Guidelines and RSS-102 of the IC radio frequency (RF) Exposure rules. The antenna should be installed and operated with minimum distance of 20 cm between the radiator and your body. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

6.4. FCC CLASS B DIGITAL DEVICE NOTICE

This equipment has been tested and found to comply with the limits for a class B digital device, pursuant to part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instruction, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more following measures:

- Reorient or relocate the receiving antenna

- Increase the separation between the equipment and receiver

- Connect the equipment into an outlet circuit different from that to which the receiver is connected
- Consult the dealer or an experienced radio/TV technician for help.

7. LOGO DEFINITION



European regulation conformity.



EMC United Nations regulation conformity.



GITEKI Mark to certification in Japan.



UK Conformity Assessed marking



The US Federal Communications Commission