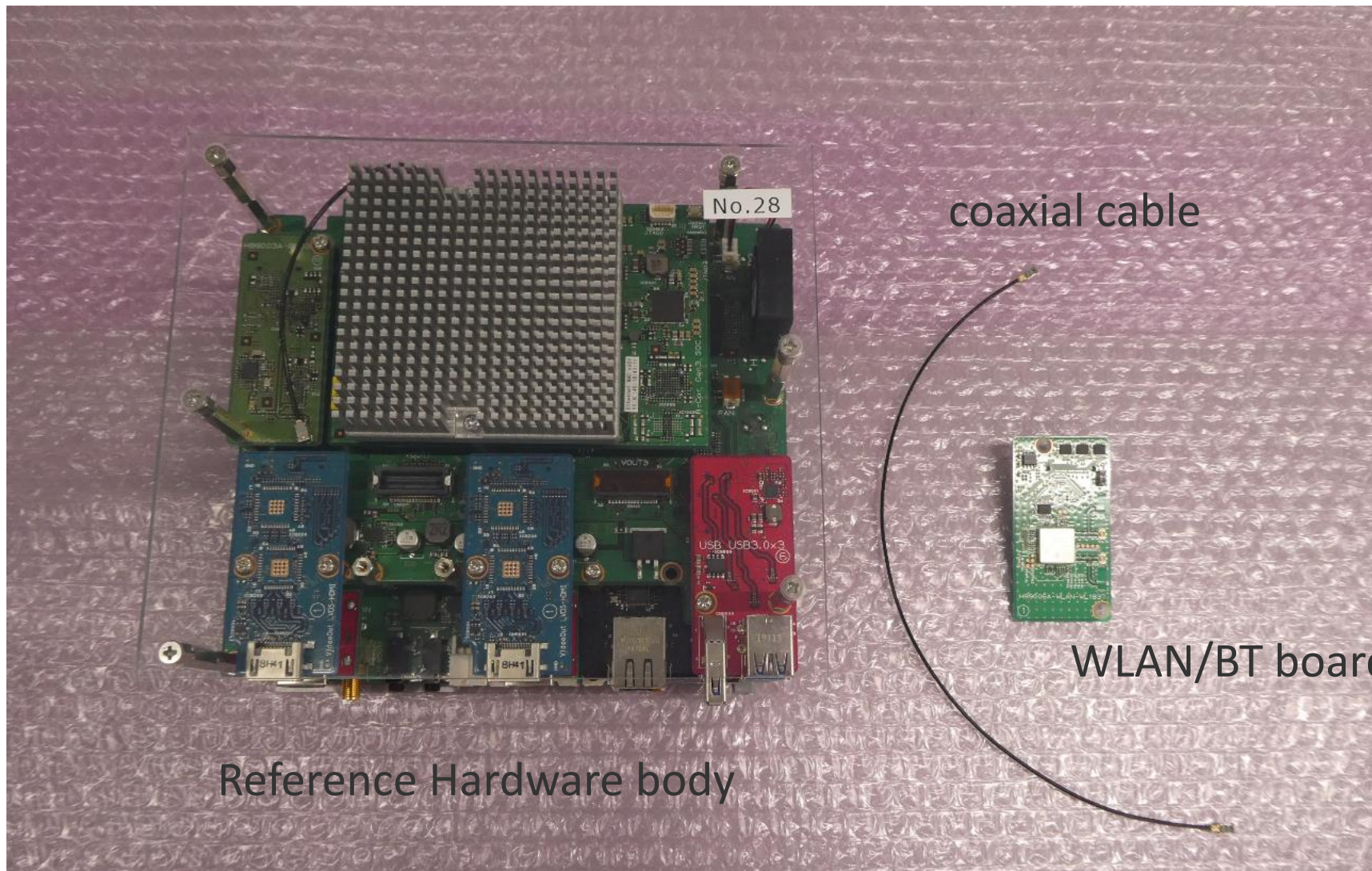


WLAN/BT board
(WL1837 board)
assembly procedure

Before installation

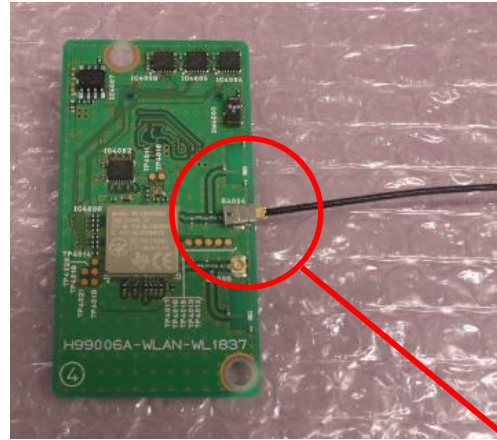
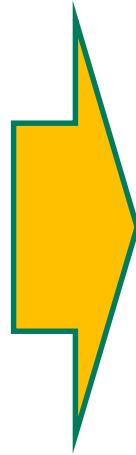
- To install this WLAN/BT board, it is necessary to partially disassemble and reassemble the Reference Hardware.
Before installing, please make sure that the hardware works normally.
- Also, after installation, before updating software, please check the hardware works normally again.
(If it doesn't work, please re-install the WLAN/BT board.)

Installation of WLAN/BT board / Parts list



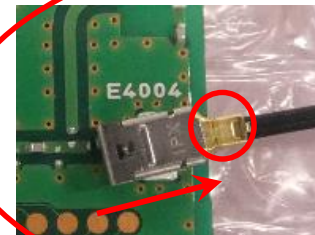
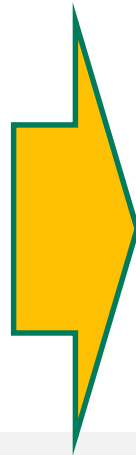
Advance preparation

■ Connect the cable



Attach the coaxial cable to the connector "E4004" on the WLAN/BT board. Please note that there are two connectors.

■ Remove the sticker



Push!



Lock

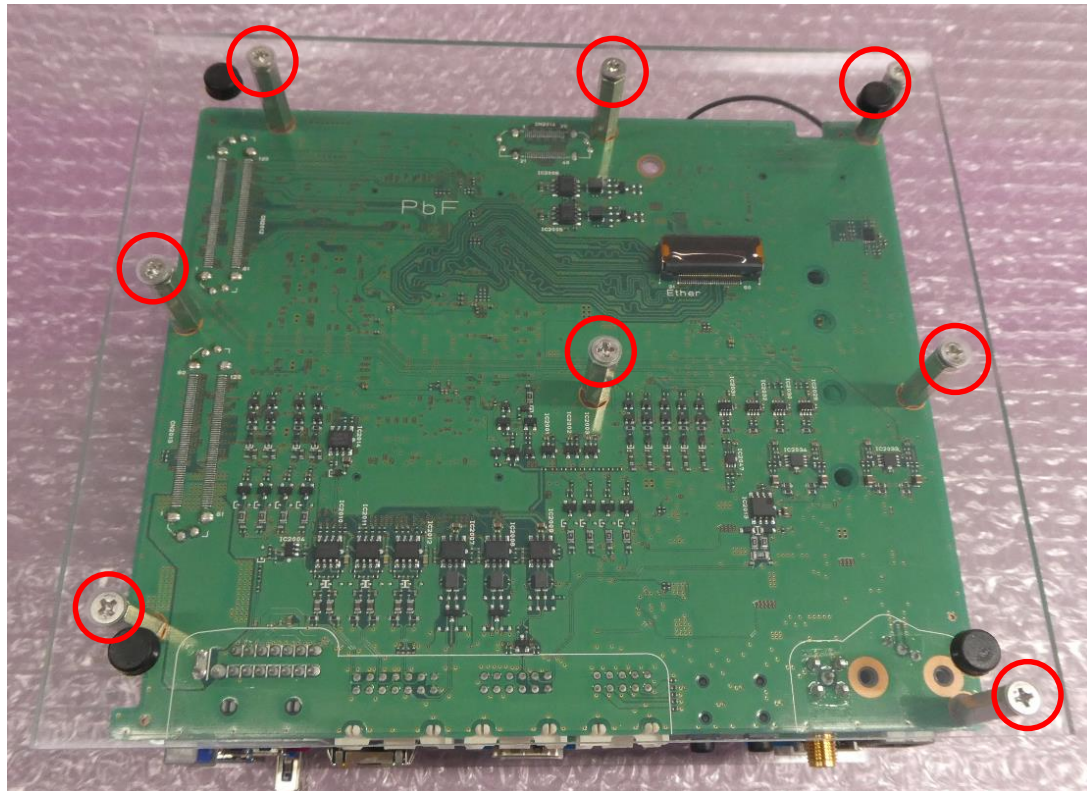
Lock the connector.

Push the silver part in the direction of the arrow.

The golden part disappears.

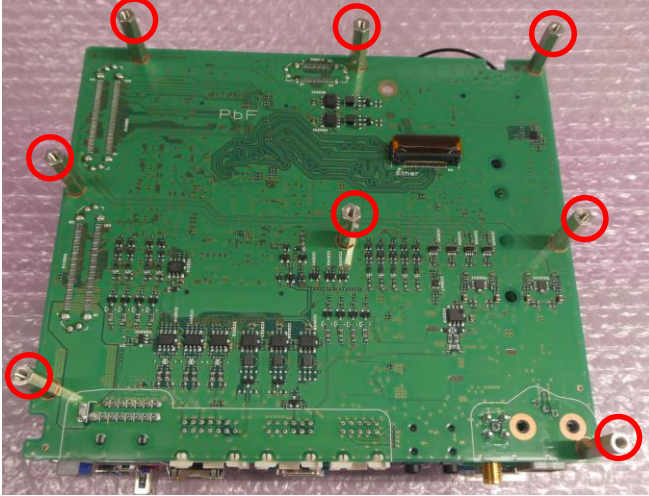
Turn over & Remove the bottom plate

- 1) Turn over “Reference Hardware”.
- 2) Remove 8 screws and remove the bottom plate.

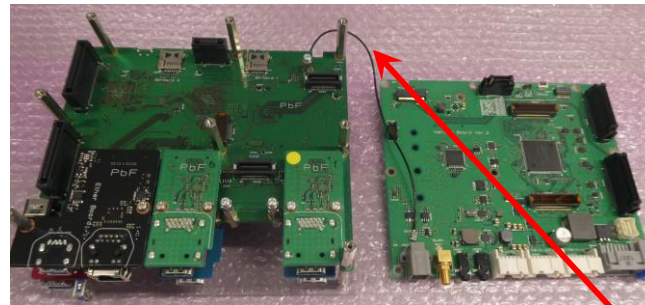


Remove spacers & Remove the Vehicle board

■ Remove 8 spacers



■ Remove the Vehicle board

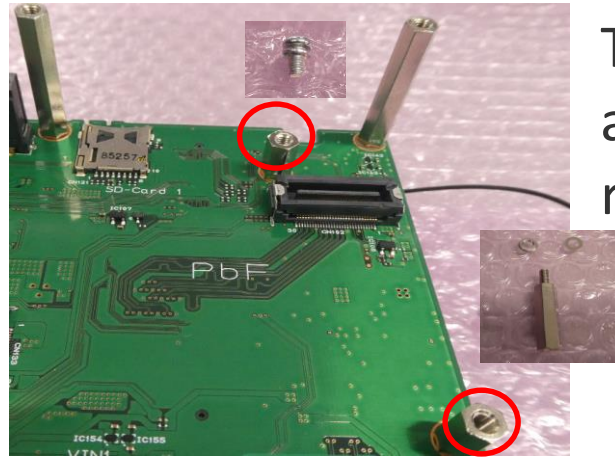
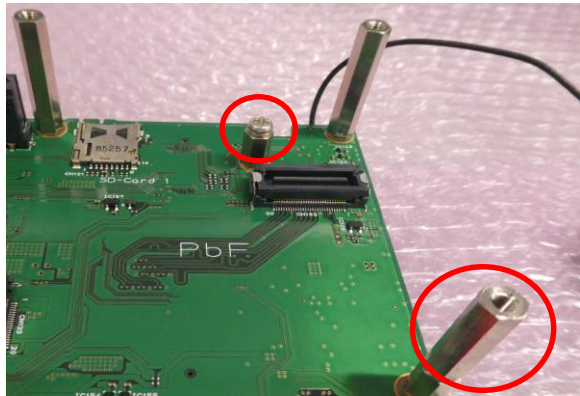


Since it is connected to three board-to-board connectors, please pull it upward.

Be careful with existing a coaxial cable (for GNSS).

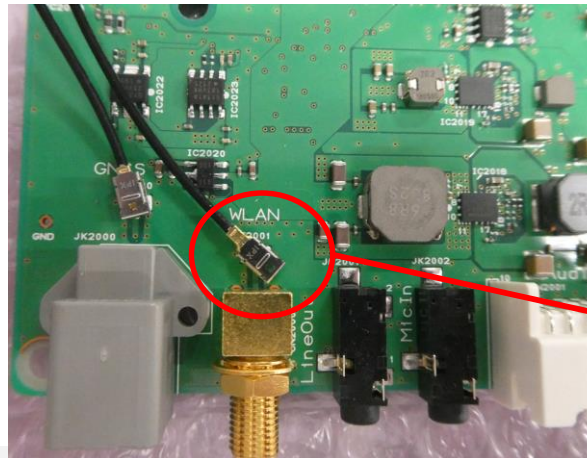
Remove screws, spacers and washers & Connect the coaxial cable to the Vehicle board

- Remove screws, spacers and washers

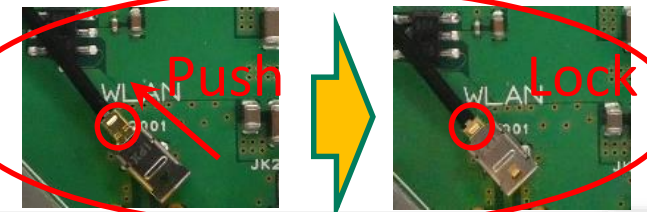


There are some washers, all of which need to be removed.

- Connect the coaxial cable to the Vehicle board



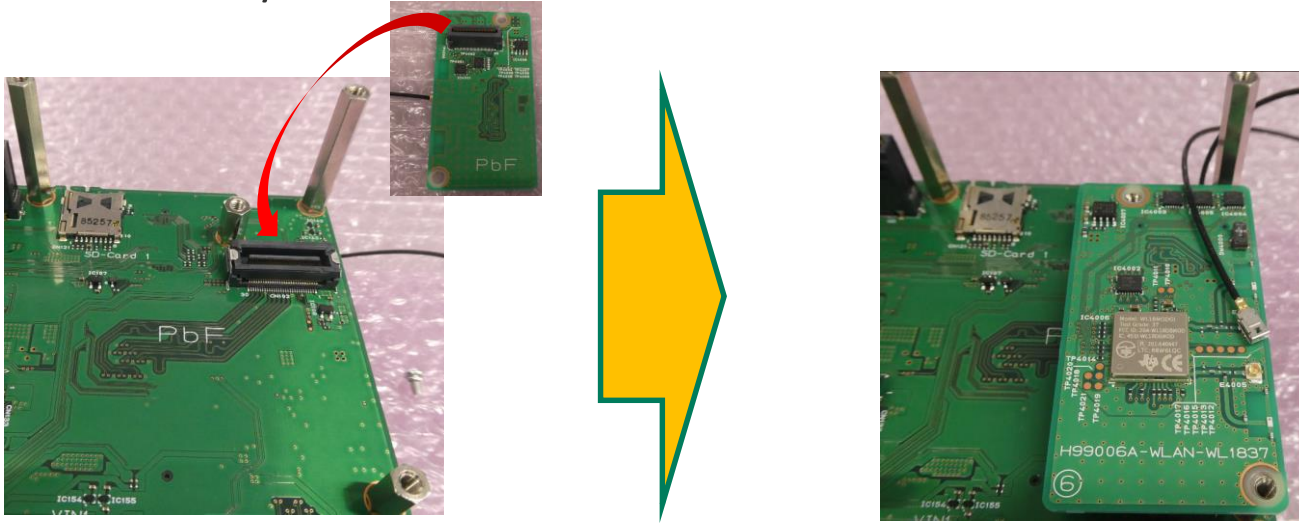
Attach the other side of the coaxial cable connected to the WLAN/BT board to the connector "E2001" on the Vehicle board.



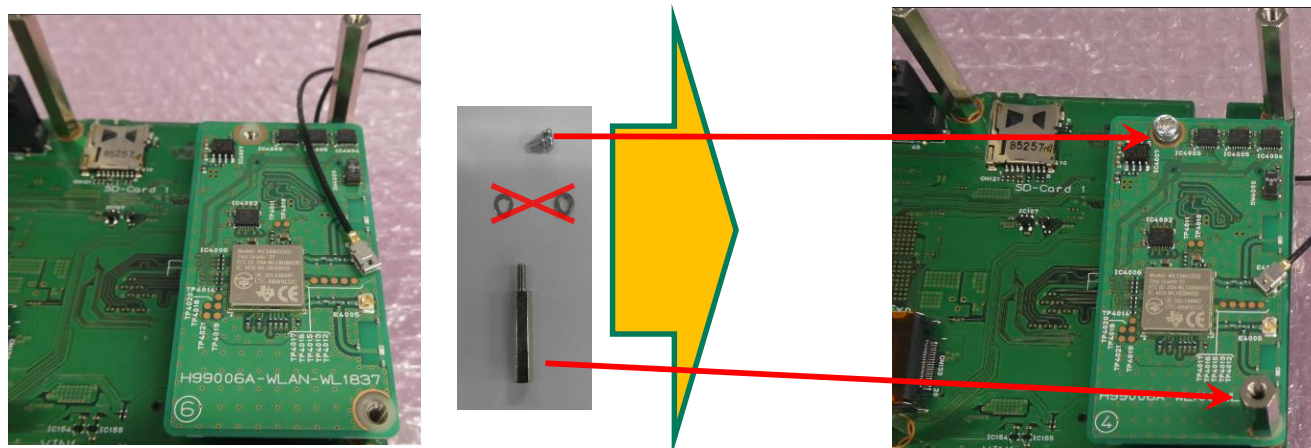
Lock the connector.

Set & Fix WLAN/BT board

■ Set WLAN/BT board



■ Fix WLAN/BT board



Secure the WLAN/BT board with screws and spacers.

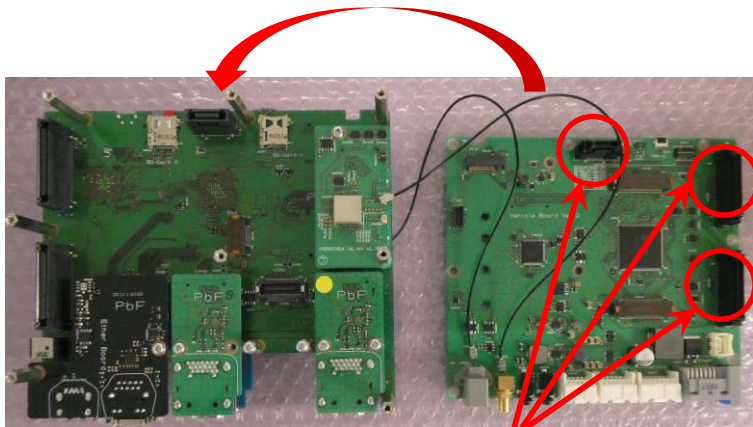
Washers are not used.

WLAN/BT board installation completion image & Reinstallation the Vehicle board

■ WLAN / BT board installation completion image



■ Reinstallation the Vehicle board

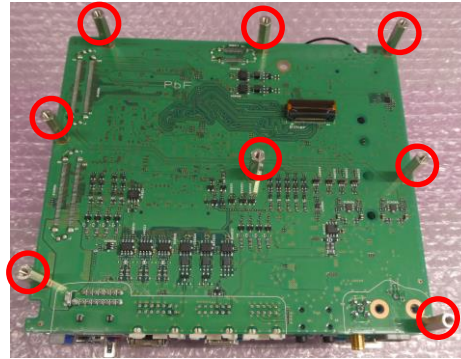


board-to-board connectors.

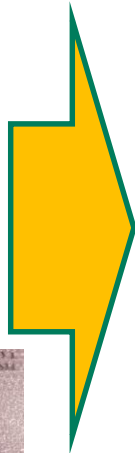
Reinstall the Vehicle board.
Please note that there are
3 board-to-board connectors.

Install spacers (8 places) & the bottom plate

■ Install spacers (8 places)



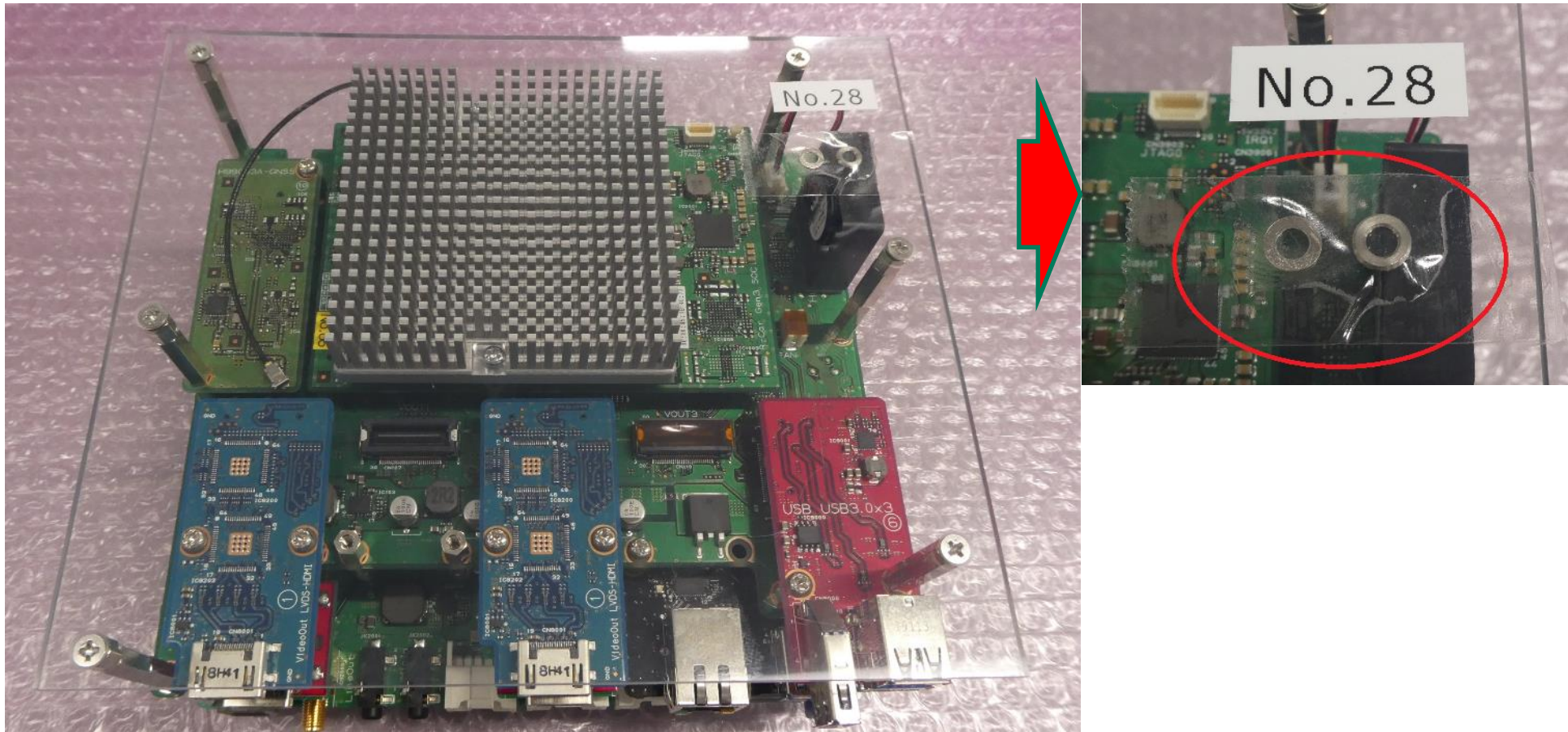
■ Install the bottom plate



Install the bottom plate and screw it in.

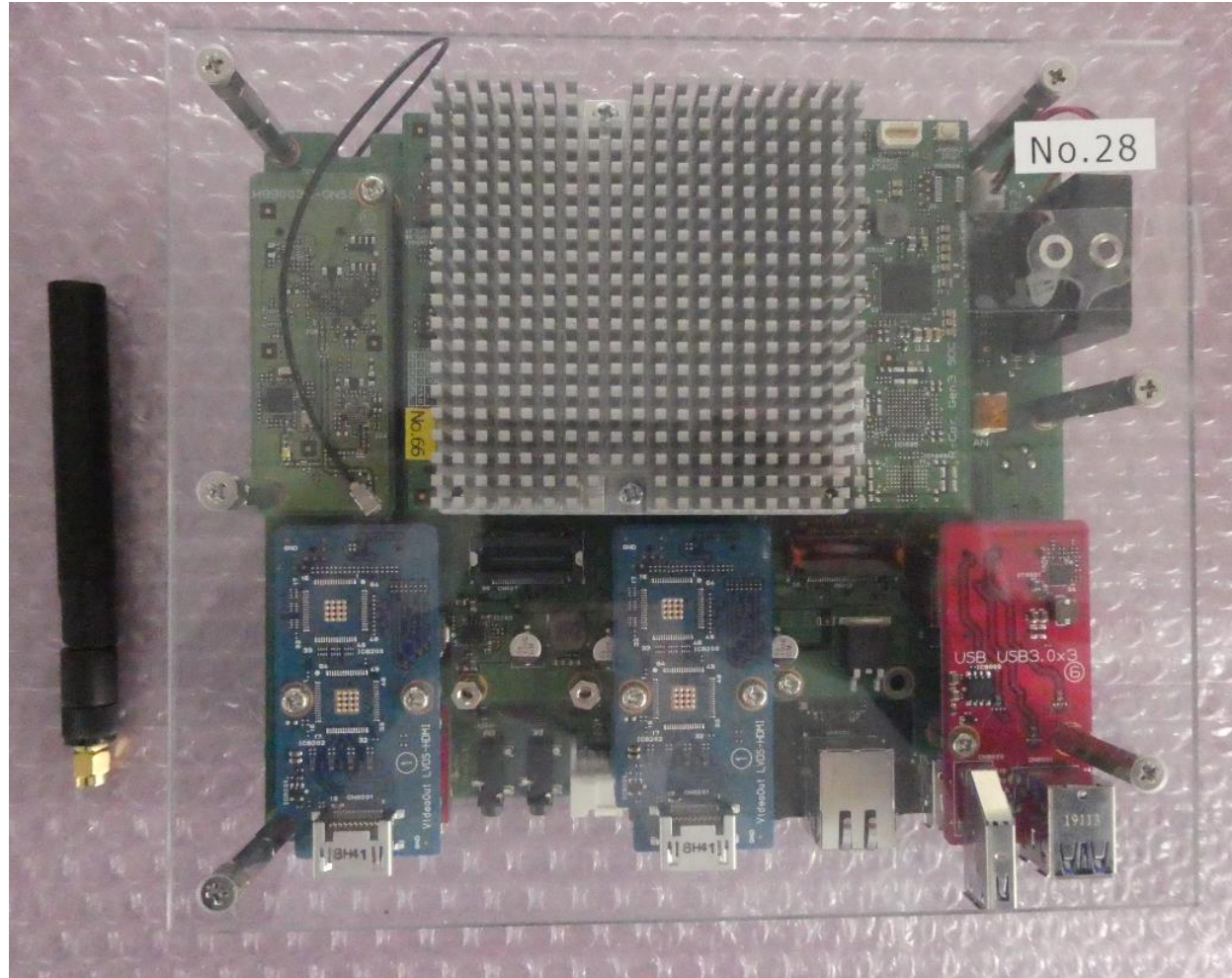
Installation of WLAN/BT board / complete !!!

Stick the removed washer on the top plate so as not to lose it.



Note: Please check the hardware works normally, before updating software.

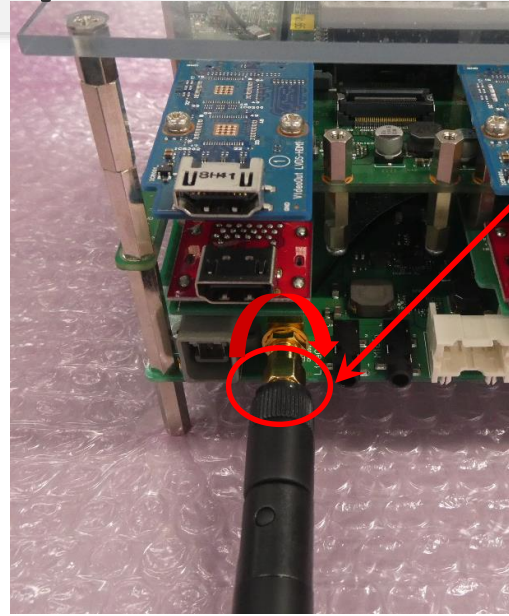
Installation of the antenna / Parts list



WLAN antenna

Reference Hardware (w/ WLAN/BT board)

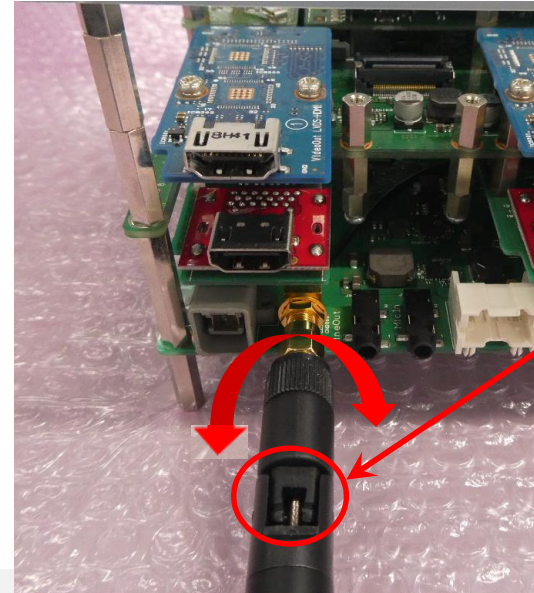
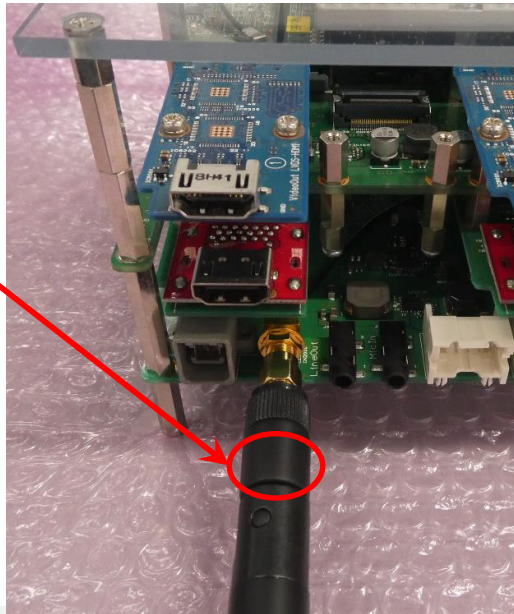
Installation of the antenna / procedure



Turn this part to the right.

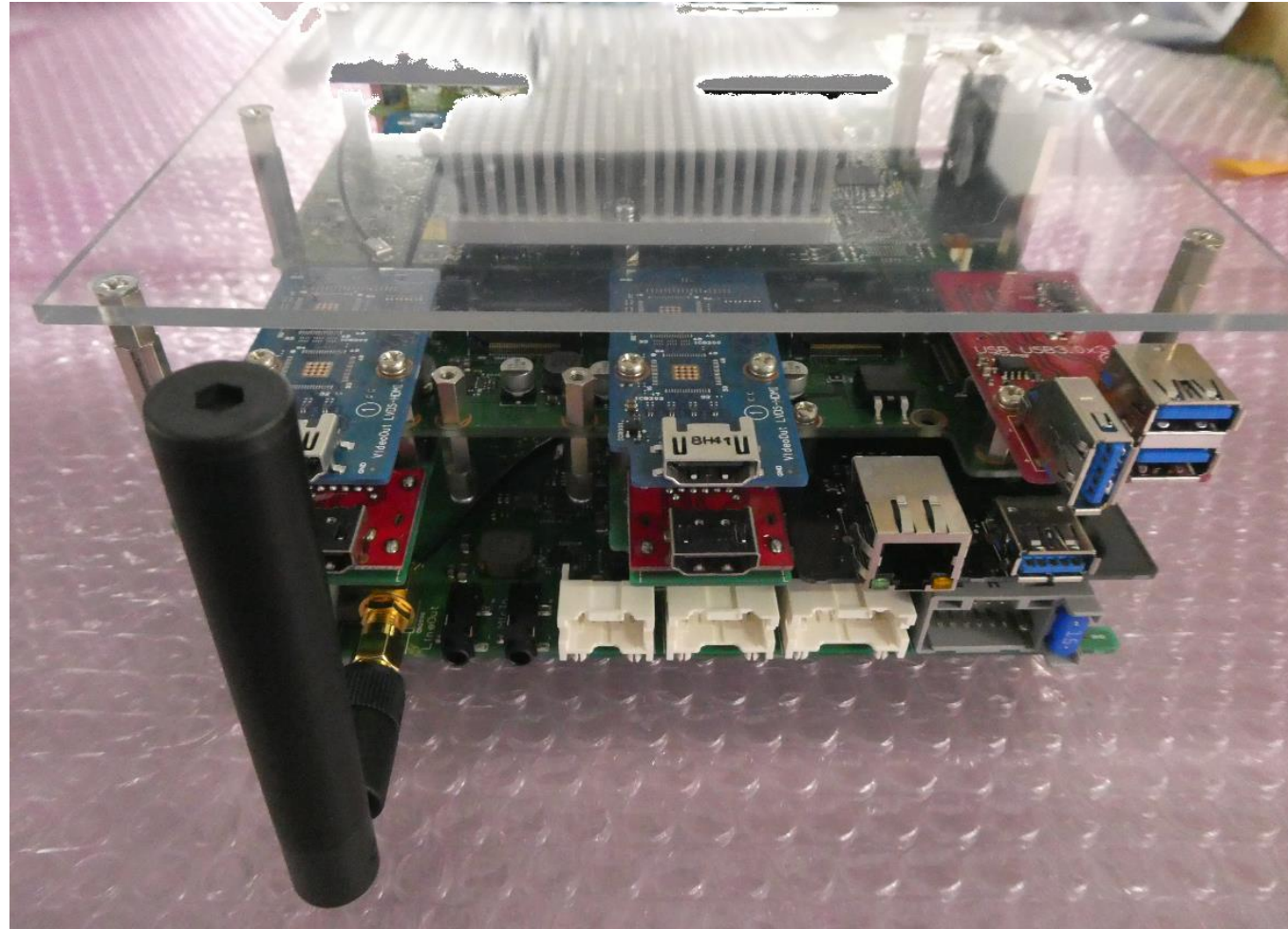


Turn this part



Adjust so that
this part is on top.

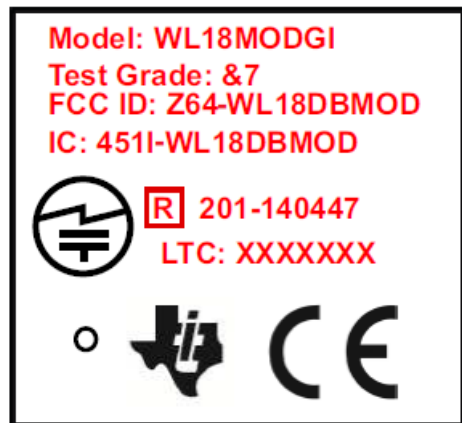
Installation of the antenna / complete !!!




Remark: Certification

- The device is FCC(North America), IC(Canada), ETSI/CE(Europe), and TELEC(Japan) certified.

When connecting to a real network, please make sure the required certification in that country.



MARKING	DESCRIPTION
WL18 MODGI	Model
&7	Test grade (for more information, see Section 6.6)
Z64-WL18DBMOD	FCC ID: single modular FCC grant ID
451I-WL18DBMOD	IC: single modular IC grant ID
201-140447	R: single modular TELEC grant ID
LTC (lot trace code): XXXXXXXX	LTC: Reserved for TI Use
	TELEC compliance mark
CE	CE compliance mark

1. This document is provided only as a reference material to property use the AGL reference hardware, and there are no guarantee and no rights granted or executed of Panasonic's and or others' intellectual property rights and other rights regarding any technical information described in this document.
2. Panasonic disclaims any and all liability for any losses, damages and infringement of any third parties' intellectual property rights and other rights incurred by AGL and/or any third parties arising from the use of these product data, figures, tables, or any and all information described in this document. No license, express, implied or otherwise, is granted hereby under any patents, copyrights or other intellectual property rights of Panasonic or others.
3. AGL has a rights to copy this document solely for the purpose of use the AGL reference hardware, but any other rights (e.g., modification of this document) is subject to Panasonic's prior written consent. Notwithstanding the foregoing, Panasonic disclaims any and all liability for any loss, damages and infringement of any third parties' intellectual property rights and any other rights incurred by AGL or any third parties arising from the use of any copied and any modified documents.
4. AGL shall not used the products and technologies described in this document, directly or indirectly, for Military Purposes which is the design, development, manufacture, storage or use of any weapons, including, without limitation, nuclear weapons, chemical weapons, biological weapons and missiles. If any of the products or technical information described in this document is to be exported or provided to non-residents, the laws and regulations of the exporting country, especially, those with regard to security export control, must be observed.
5. All information such as product data, figures or tables described in this document is as of the released date of this document, and Panasonic may change the product and/or its specification without notice.
6. All information described in this document has been carefully prepared with reasonable case, but any errors may be contained in this document. Panasonic shall not be liable for any loss, any damages incurred by AGL and/or any third parties arising from any error, bugs or faults of this document.
7. The products described in this document are intended to be used for general applications (such as entertainment, air conditioning, communications, measuring), and should not be used for Special Applications (such as for airplanes, aerospace, automotive driving equipment, traffic signaling equipment, combustion equipment, life support systems and safety devices) in which exceptional quality and reliability are required, or if the failure or malfunction of the products may directly jeopardize life or harm the human body. It is to be understood that Panasonic shall not be held responsible for any damage incurred as a result of or in connection with your using the products described in this document for any Special Application.
8. Unless otherwise permitted by Panasonic or applicable Law, AGL shall not alter, modify, copy, or reverse engineer AGL Reference Hardware, whether in whole or in part. Panasonic disclaims any and all liability for any losses or damages incurred by AGL or third parties arising from such alteration, modification, copying or reverse engineering.
9. The product described in this document has a structure that can be easily disassembled, and there is a danger of accidents such as infants accidentally swallowing it by putting it in the mouth when any parts are removed from the product. Please take sufficient safety measures at your own risk to prevent such events from occurring. Panasonic is not liable for any accidents that occur due to such parts removed from the product by AGL.
10. The products described in this document is NOT designed to comply with any such as the environmental compatibility and Electro-Magnetic Compatibility of products. Panasonic is not liable for any damaged caused by your non-compliance with applicable laws or regulations.
11. AGL shall be responsible to cause any members of AGL to comply with any terms and condition described in this notice.