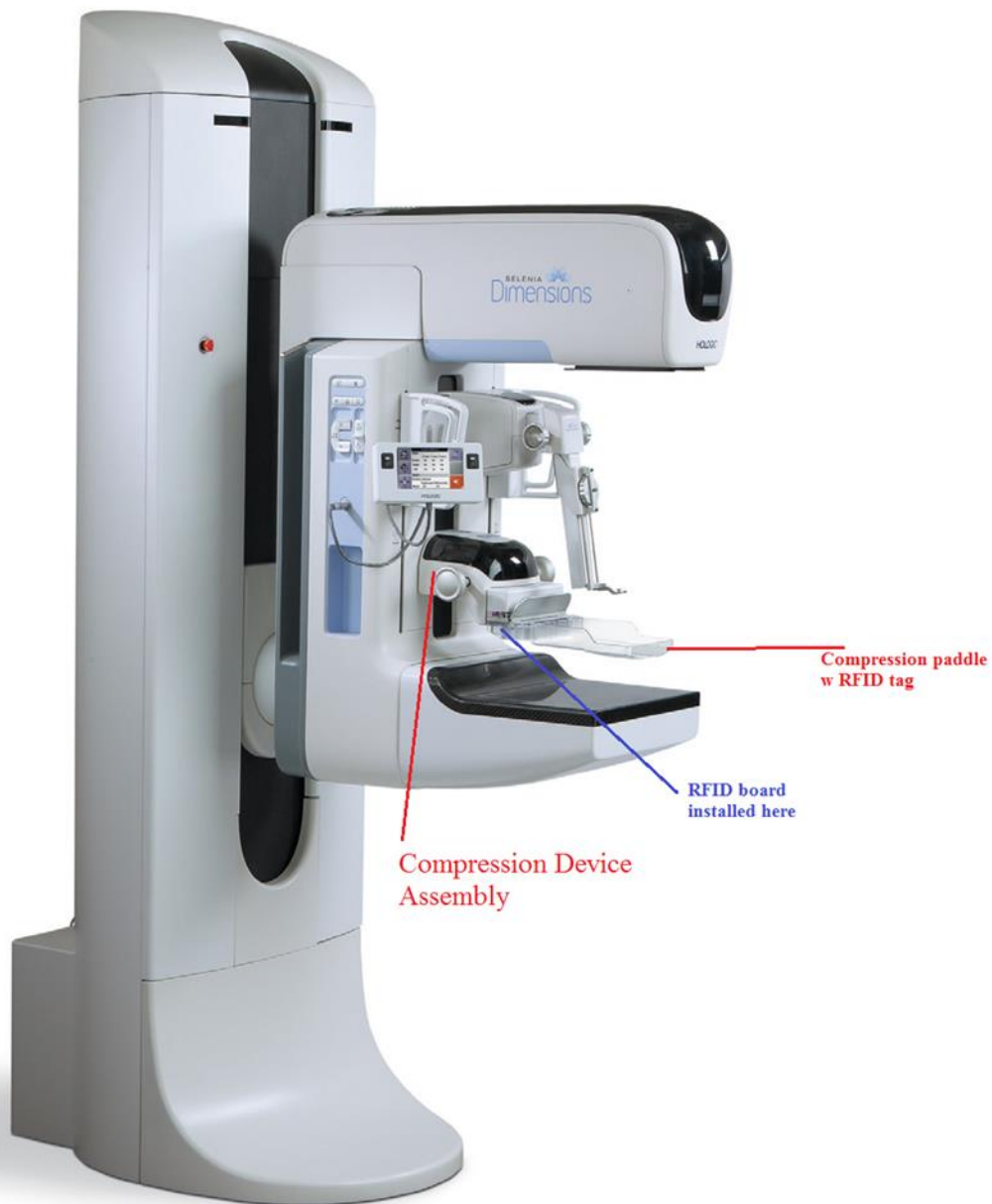


Hologic Inc. currently manufactures an RFID interface board that is used to detect the breast compression paddle in Hologic mammography equipment. RFID board as a module is installed in the COMPRESSION DEVICE assembly. Corresponding tag is located in the breast compression paddle as seen below.

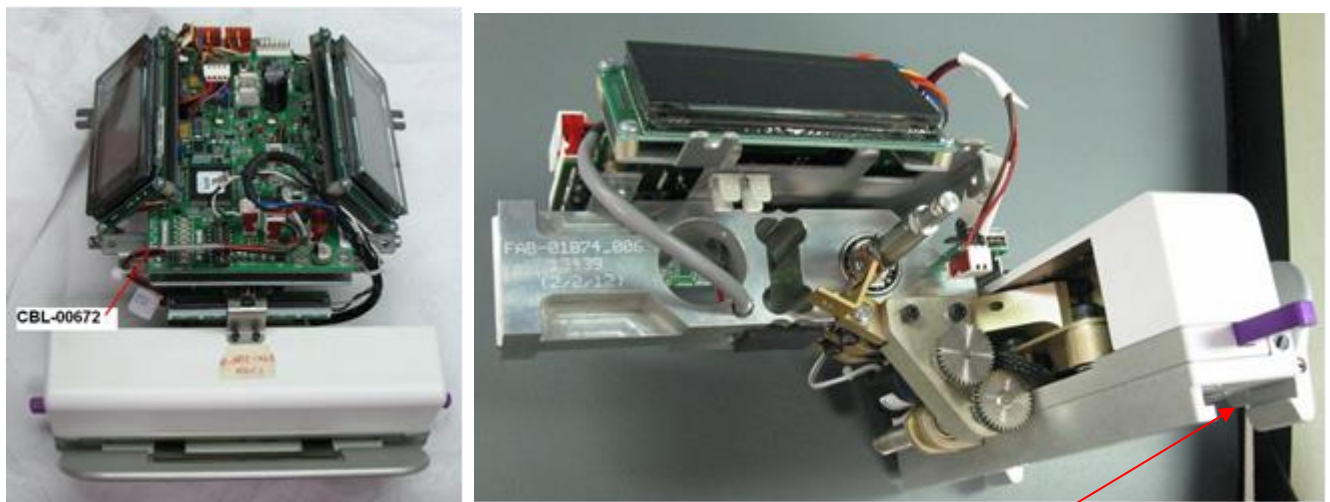


The circuit board contains a microcontroller to simulate I²C functionality, an I²C based A/D converter, an integrated PCB printed antenna, and additional supporting circuitry. The board interfaces with the rest of the system through a single 4-pin header consisting of power, ground and I²C bus.

Compression Device Assembly is performed per assembly procedure **AP-03659**.

RFID board is addressed in step 2.16 through 2.18

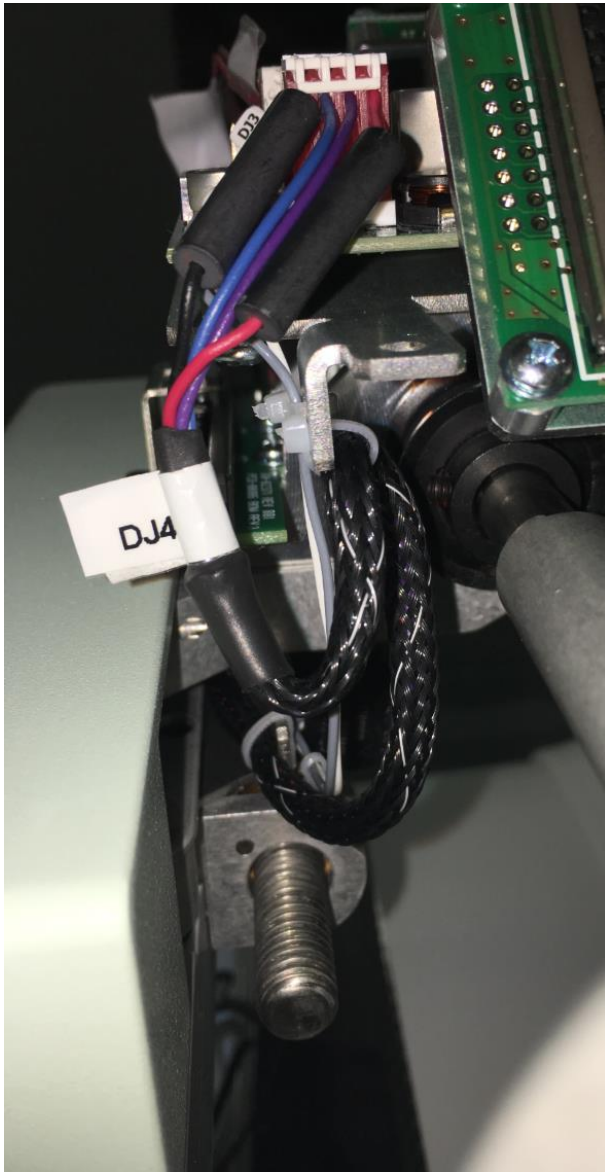
2.16 Attach completed VCD display to top of the load cell using (3) 6-32 x 5/8" Pan Head Phillips SEMS (2-500-9772). Attach 'DJ4' of RFID Board assembly (**PCB-01673**) to the interface board (PCB-00095). Shift the paddle assembly fully to the left, tie wrap (1-090-0179) the RFID cable to the frame and return the paddle assembly to the center.



RFID Board Goes Here

2.17 Attach Shifting Breast Tray Harness (CBL-00672) to 'EJ1' of the paddle position sensor board (PCB-00186) and 'DJ9' of the compression device interface board (PCB-00095). Tie wrap (1-090-0179) to frame.

2.18 Attach the MOTOR ASSY/CONNECTOR (MEL-00225) to ASSY.,COMP. DEVICE INTERFACE BD (PCB-00095). Connect "DJ1" load cell cable to ASSY.,COMP. DEVICE INTERFACE BD (PCB-00095). See wire routing photos below for detail on how to properly dress the wire to ensure the compression device helmet can be properly mounted later.



2.19 Test completed assembly per **TP-00517**.

Instruction for Final Product Labeling

Finish product will be labeled with the FCC and IC identifiers of the module.

Final product label shall say:

Contains FCC ID:YUJ-PCB01673

Contains IC:9281A-PCB01673

Note

End user does not have access to RFID board. No modifications are permitted by the end user. Only Hologic trained field engineer are authorized to service the machine and perform necessary replacement of the RFID board when service is ordered on a system.

FCC Compliance Statements**47 CFR §15.105(b)**

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 instructions, 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 of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

47 CFR §15.19 Labeling requirements

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

RF Exposure

This device complies with FCC RF radiation exposure limits set forth for general population (uncontrolled exposure).

Industry Canada Statements

This device complies with 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.

Under Industry Canada regulations, this radio transmitter may only operate using an antenna of a type and maximum (or lesser) gain approved for the transmitter by Industry Canada.

To reduce potential radio interference to other users, the antenna type and its gain should be so chosen that the equivalent isotropically radiated power (e.i.r.p.) is not more than that necessary for successful communication.

This device complies with Industry Canada RF radiation exposure limits set forth for general population (uncontrolled exposure).

French

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes: (1) il ne doit pas produire de brouillage, et (2) l'utilisateur du dispositif doit être prêt à accepter tout brouillage radioélectrique reçu, même si ce brouillage est susceptible de compromettre le fonctionnement du dispositif.

Conformément à la réglementation d'Industrie Canada, le présent émetteur radio peut fonctionner avec une antenne d'un type et d'un gain maximal (ou inférieur) approuvé pour l'émetteur par Industrie Canada.

Dans le but de réduire les risques de brouillage radioélectrique à l'intention d'autres utilisateurs, il faut choisir le type d'antenne et son gain de sorte que la puissance isotrope rayonnée équivalente (p.i.r.e.) ne dépasse pas l'intensité nécessaire à l'établissement d'une communication satisfaisante.

Le présent appareil est conforme aux niveaux limites d'exigences d'exposition RF aux personnes définies par Industrie Canada.

Host Labeling

Per RSS-GEN § 4.3 The host product shall be properly labelled to identify the modules within the host product.

Contains IC: 9281A-PCB01673