AGFA

Medical Imaging *RDE*

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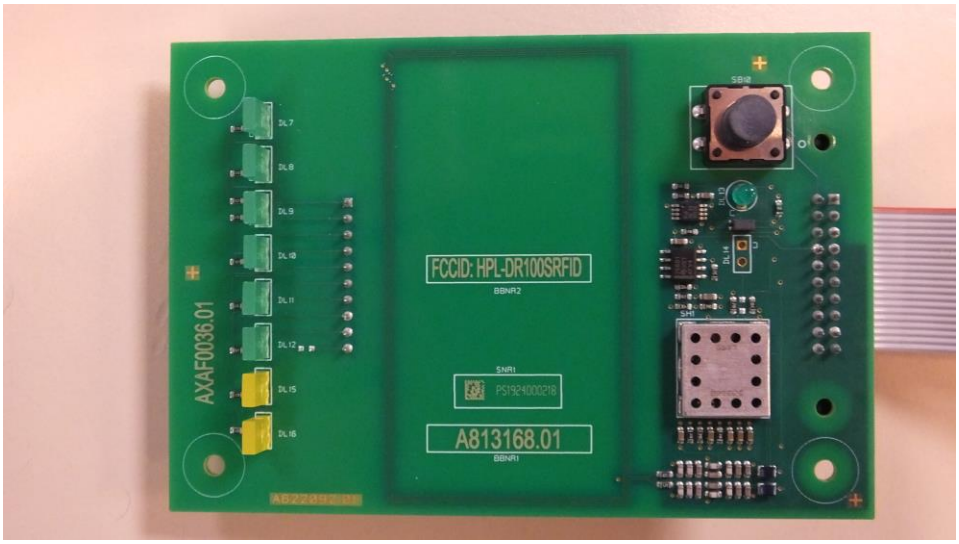
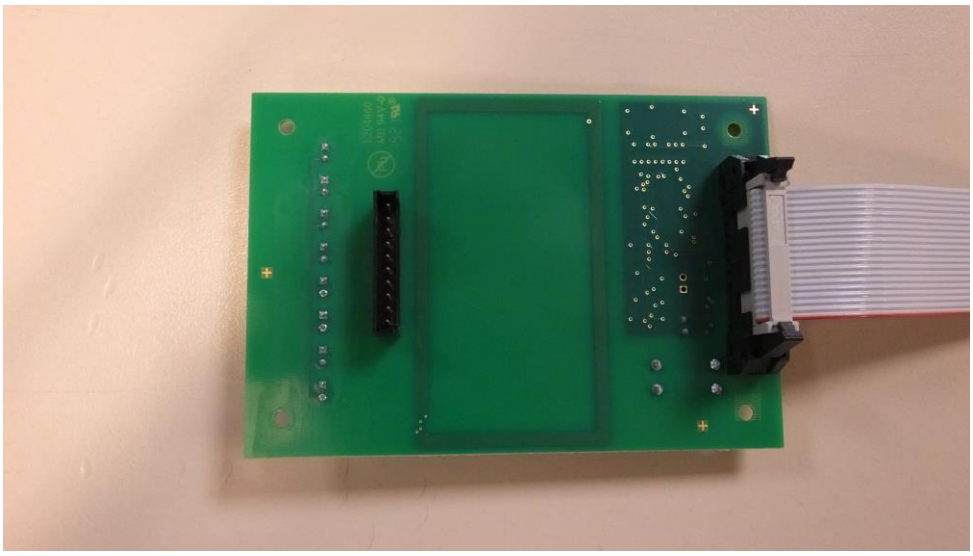
Date: March 21, 2019

Concerning: RFID tag reader photo (FCC ID: HPL-DR100SRFID)

The RFID tag reader is a small printed circuit board. Notice FCC ID, serial number and article number + version (A813168 version 01).



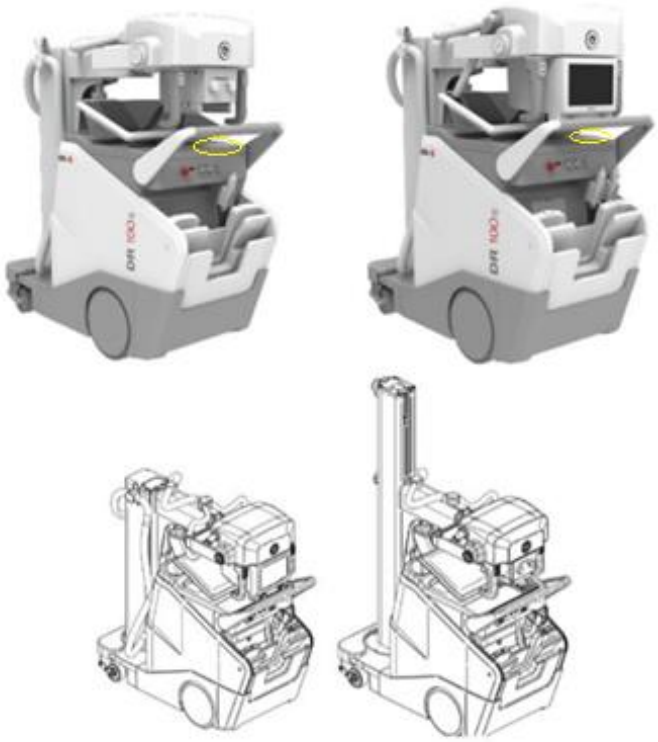
(1) RFID PCB top assembly



(2) RFID PCB bottom

The RFID reader is used in a compact mobile medical imaging system or modality for short. The modality consists of an X-ray source and DR (direct radiography) panel.

We show two models of DR100S as an example: one with fixed, the other with telescopic arm. Other (future) models could differ in size and functionality. The position of the RFID tag reader is circled in yellow.



The RFID reader functions as a contactless operator identification system. The RFID reader is continuously searching (snooping) for an RF tag card, once a tag is detected and verified the access and control of the modality is returned to the operator owning the RFID card. The RFID reader has no medical function, its main purpose is a wireless key lock.

RFID readers are assembled at the front side of the modality. The mechanical details can vary but the location of the RFID reader is the similar for all models. Below we present photos of one particular model (again using DR100s).

Below is the front side of the modality, the RFID reader is mounted under the front panel, the area for the RFID card position is enclosed in yellow. The RFID reader is mounted on a keypad cover (enclosed in green). You can see the lighting LED bar and the on/off button.

Note: it is not possible to remove the RFID reader by means of lifting the front cover. Access is along the left hand side of the modality.

The RFID reader connects to the digital part over a flat cable, the controller is called RFIDCONTROL (internal reference A813160) or controller for short. See photograph below. The controller sets the radio part in the correct mode and it provides the 5V power supply. The controller is part of the digital device. The controller part was present during the radio type testing.

The yellow parts are digital parts, the button switch and the LED lighting is not part of the radio part.

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