Quick installation guide for DIU and SIU cards

Installing the DIU card onto the pRORC card

In order to install the DIU card on the pRorc, one will have to use the adapter card, which is distributed together with the pRorc card. (Fig. 1) The adapter card can only be plugged on the pRorc, as it is shown in the picture. There are two stand-offs already fixed to the adapter card near the connector plugs. These stand-offs can be screwed on the pRorc to provide better mechanical stability (A). The DIU card has three spacer attached to the PCB, two are placed close to the optical transceiver, and one near the CMC connectors. This last can be fixed to the adapter using the third screw (B). The screws can be found in a small plastic bag.

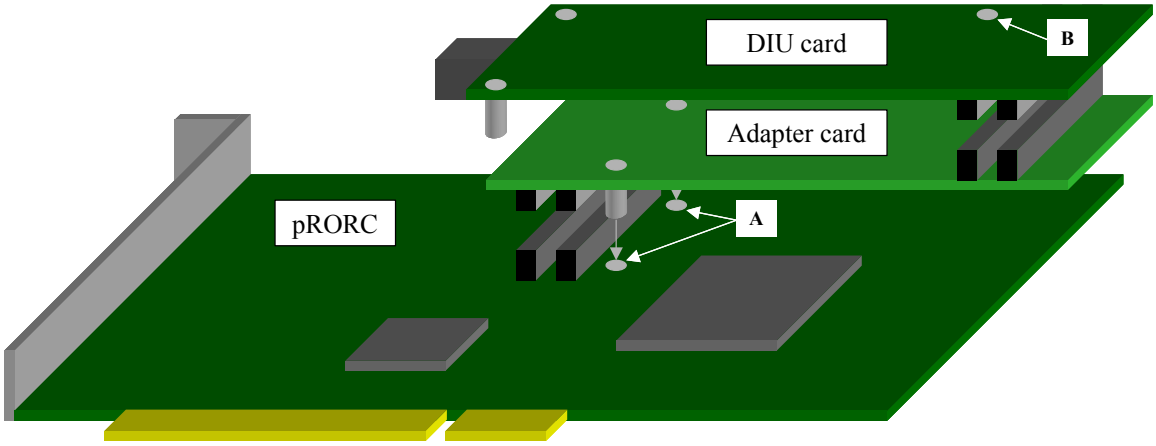

Fig 1: Installing the DIU card onto the pRORC card

Installing the SIU card onto the Front-end Emulator card

The new version of the SIU card can be plugged on the Front-end Emulator (FEIC) card using an adapter, which is placed between the SIU and the emulator card (Fig 2). When installing the cards, one has to make sure that they are placed according to the drawing. For good mechanical stability, the adapter card must be fixed to the SIU (A), and to the FEIC (B) using stand-offs.

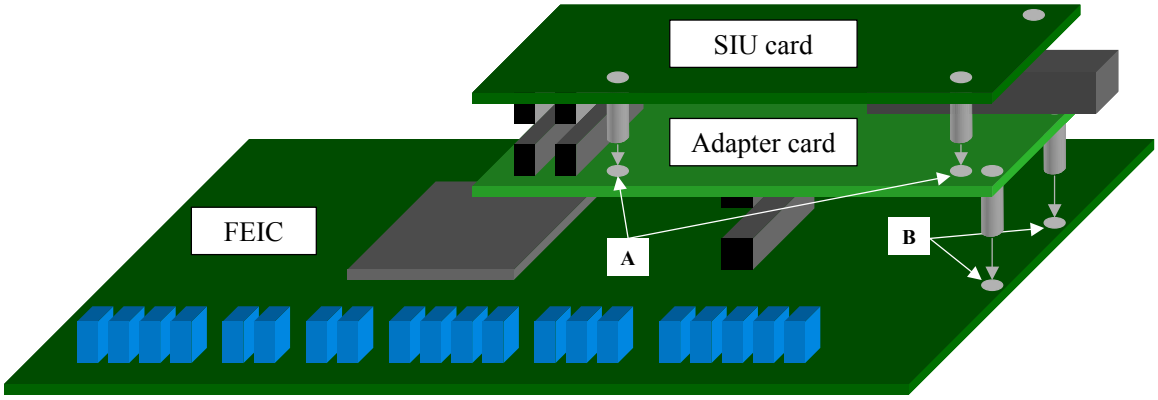

Fig 2: Installing the SIU card onto the FEIC card

DDL card LED indicators

LED	COLOR	Function at SIU	Function at DIU
Front LED	**off**	No power or logic device is not configured	No power or logic device is not configured
	The status of the Front LED is updated in each 0.4 sec.		
	red	**Link down** (No optical signal, or laser disabled, or laser fault, or offline state)	**Link down** (No optical signal, or laser disabled, or laser fault, or offline state)
	yellow	Link is up but **Link full** (XOFF) exceeded 0.1 sec.	Link is up but **RORC busy** exceeded 0.1 sec.
	green	**Link up.** No data transmission happened and Link full (XOFF) did not exceed 0.1 sec	**Link up.** No data transmission happened and RORC busy did not exceed 0.1 sec.
	blinking green	**Data transmission** happened and Link full (XOFF) did not exceed 0.1 sec.	**Data transmission** happened and RORC busy did not exceed 0.1 sec.
LED1	off	Logic device is configured	Logic device is configured
	yellow	Logic device is **not configured**	Logic device is **not configured**
LED2	off		
	yellow		

Table 1: LED indicators