

Purple Card usage.

Purple Card will be used in long term burn-in tests of Hybrids and Modules. Functionally it replaces the Interface card ver.2 and the Connector Adapter Module (CAM) from run2A test stands. Main feature of Purple Card usage is that it has to be placed close to Modules inside the Cooling rack. As far as the maximum length of Module is about 40 cm, the only location to place the Purple card on the same Slider plate is between Aluminum cooling plates. All water and Nitrogen pipes go above the Slider plate. Fig.1 shows the draft layout of all the plate's components.

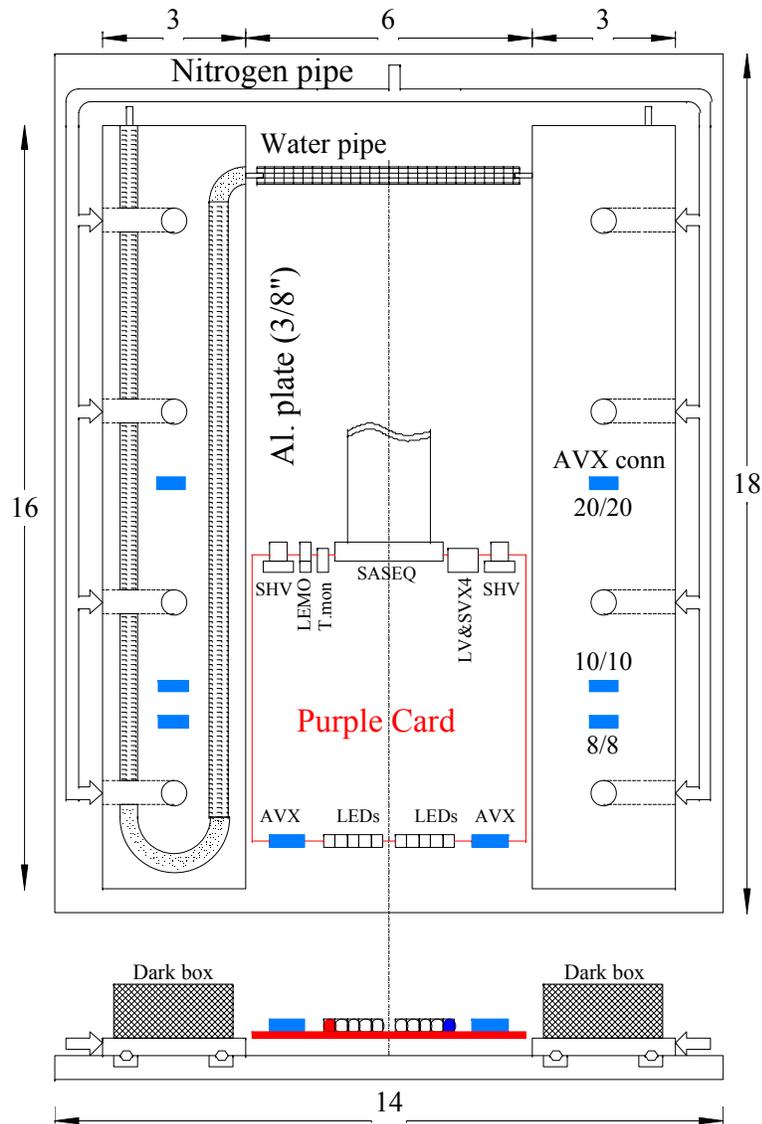


Fig.1. Slider panel for burn-in test stands (draft).

So 6 inch is the maximum width of the Purple Card. If 6 inch is not enough for all components on the front or rear edges of the card, we have to do more detailed estimation of work area. As shown on this figure, we are not strong limited in the Purple Card's length. The IN/OUT card's components are listed below.

Purple card's Front edge:

1. Two AVX connectors. There should be at least 2 inch free space behind them for the proper Digital Jumper cable connection;
2. Ten LEDs (AVDD, DVDD, +5V, +15V, HDI_ENABLE) x 2;
3. Four fuse holders (AVDD, DVDD) x 2, located close to the front edge.

Purple card's Rear edge:

1. SASEQ connector;
2. Two SHV connectors;
3. One double LEMO connector (CAL-Strobe);
4. Board power and SVX4 power connector;
5. Temperature monitor connector;
6. Four fuse holders (AVDD, DVDD, +5V, +15V), located close to the rear edge.

Digital Jumper cable connection.

The fig. 2 shows the Digital Jumper cable connecting the Module on the left and right aluminum plate and the Purple Card's AVX connector. The AVX connectors suppose to be on the same surface of the Digital Jumper cable.

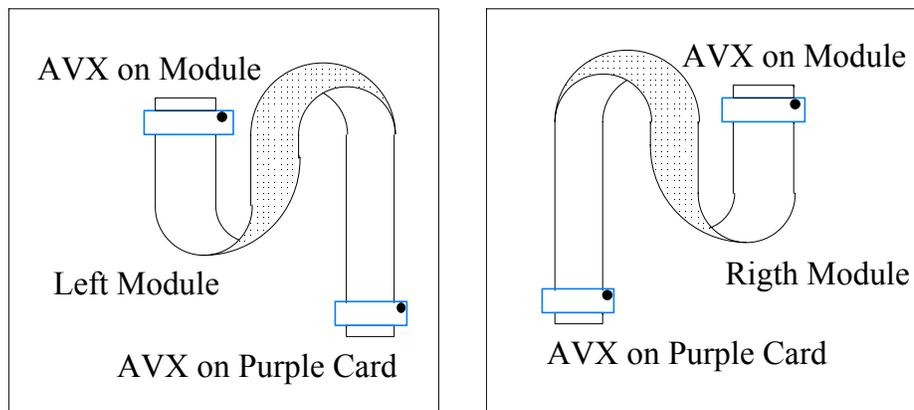


Fig.2. Digital Jumper cable on slider plate, top view (draft).