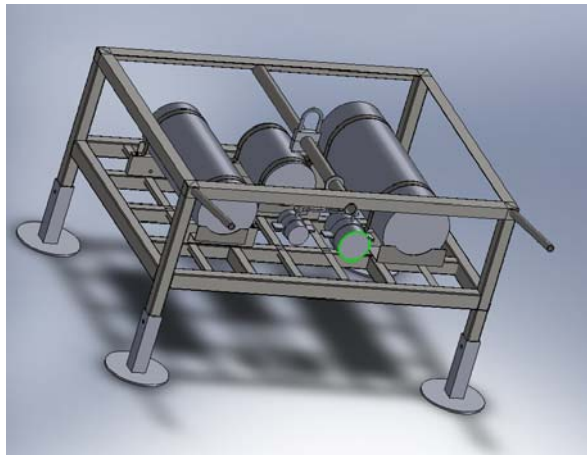


MARS 海试前问题确认：

1、框架设计（design of the frame）

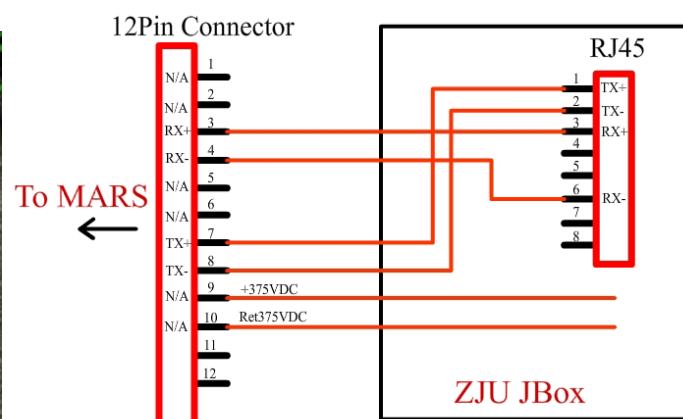
初步方案：



2、连接接口：

我们现有的能与 MARS 连接的接头是 ODI 提供的，45 度的 ROV 湿插拔接头，12 芯，定义为如下图所示，请问该接口定义是否正确？

Now the connector that need to be plug on to MARS node is provided by ODI, a ROV wet-mateable 12 plug pins connector with 45 degree terminal. And the definition of 12 pins is shown below. Are there any problems about such connection and definition?



3: 该对接接口中，MARS 提供的+375V 电压在启动瞬间的电压特性如何？波动幅度怎样？平稳时波动幅度如何？

How about the electrical characteristics of the MARS power supply of 375VDC, especially at the startup scenario. How about the ripple at steady state?

4: 该+375V 的供电在什么情况下会触动 MARS 的保护机理。（开启瞬间的浪涌电流限制是多少？平稳时过电流是多少？）

What is the mechanism of the protection of 375V power supply? What kinds of scenarios will trigger its protection? (What is the maximum inrush current that could be allowed when start up? and how about the maximum steady state current.)

5: +375V 的供电最高功率可达多少？

How much is the maximum available power of 375VDC supply.

6: 其他芯的保护机理是什么？什么情况会触动保护机理？

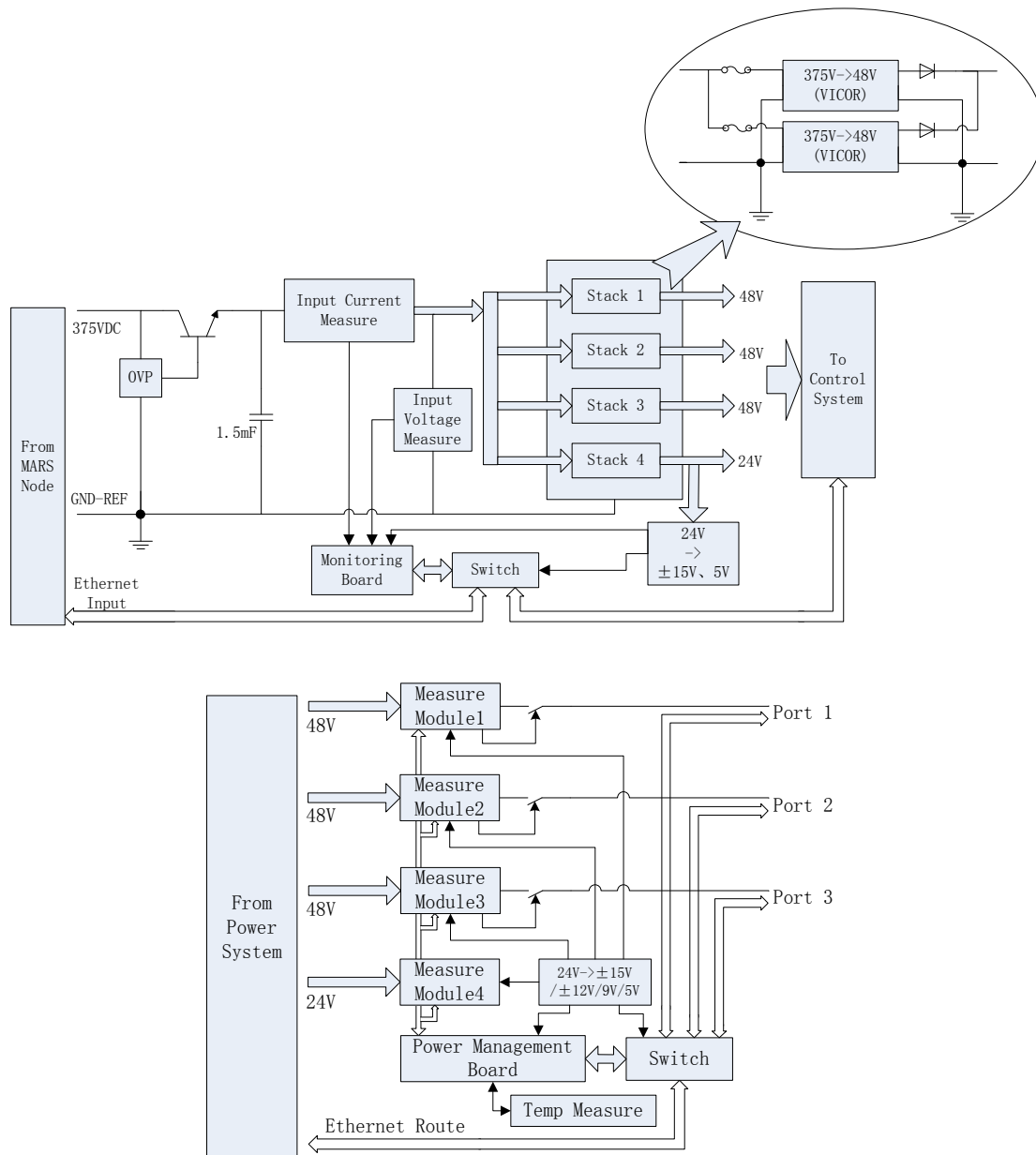
What is the mechanism of protections of other pins of the connection? And when they would be triggered?

7: 该缆长度为 50m，是否满足投放要求？

The link cable between our node and MARS node is 50m in length, is it enough for deployment?

8: 我们的接驳盒内部的结构。

由两个大腔体构成，一个电源腔，一个控制腔，内部结构框图如下图所示：（上面的三维图中最大的两个腔体就是电源腔和控制腔，另外一个为摄像系统）



9: 观测网局域网中我们可用的 IP，岸基网关等参数（需要相同网关的 IP 至少 10 个）。

We need to configure the LAN information, so we want to know something about that such as gateway, available IP (maybe 8 IP address)