

Coupler collaboration status at IJCLab

Sandry Wallon



17 Nov. 2020 (T0) : kick off meeting with PMB Cie :

- Fruitful 1st official contact
- Review of manufacturing drawings at T0+17 wk instead of T0+8 (but 44 wk delivery time unchanged)
- Some sensitive points to watch over / deal with :
 1. Alumina TiN coating test to be conducted before editing production plan (does the heating during brazing bring to TiN diffusion ? When the TiN coating will be done ? Alumina samples to be used ?)
 2. No experience of bellow Cu plating (thickness variations bottom / top of corrugations)

3. No ISO clean room to mount the vacuum side assy and wrap it, only ISO 5 laminar flow hood (as the parts cleaning will be subcontracted [Cie in micro electronics with ISO clean room] we are prone to ask for cleaning and mounting in a row by the subcontractor)
4. PMB proposed ultrasonic non destructive tests for the ceramic/copper brazing instead of tomography (same price, but better resolution ; examples of tomography and ultrasonic tests requested)

PMB-IJCLab weekly meeting scheduled / to be scheduled