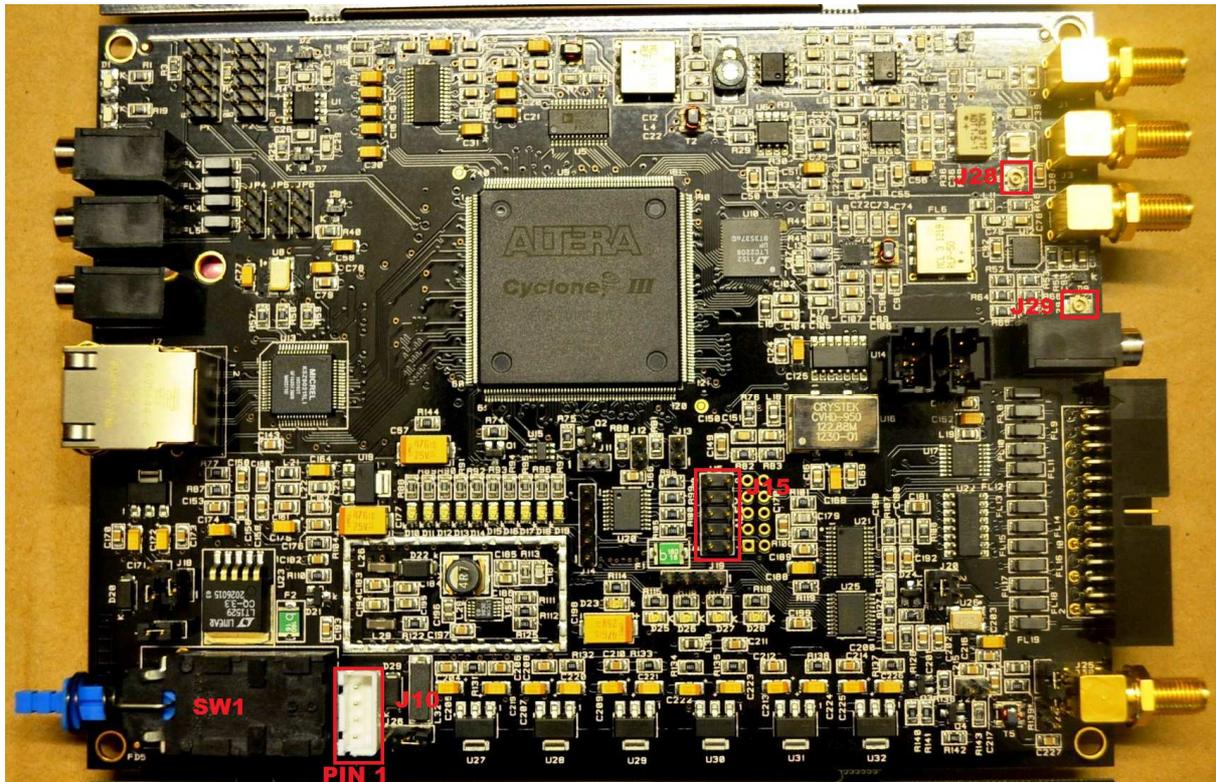
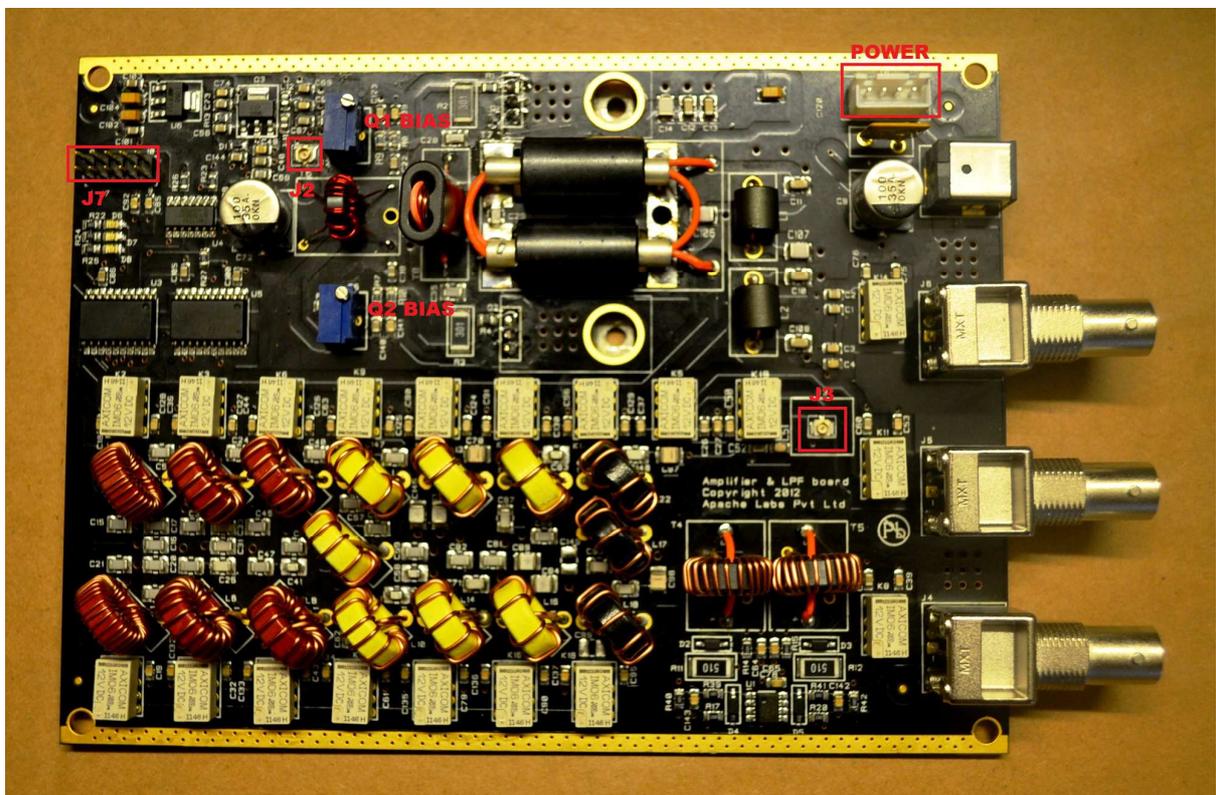


**Steps required to integrate TAPR manufactured Hermes cards with the ANAN-10 PA & Housing Kit**

Document Revision 1.0



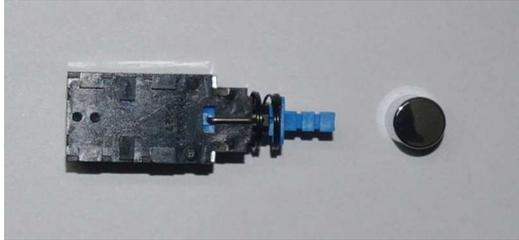
Connector positions on Hermes, Note TAPR board does not have SW1, J28, J29 and J15 installed



PA board Connector positions

**Instructions:**

**1. Desolder R102**



**2. Solder SW1 (supplied with the Kit), Chrome cap can be installed prior to soldering**



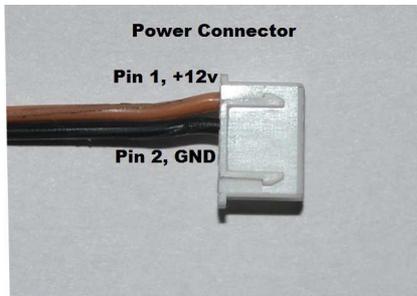
**3. Solder J15 on Hermes top layer (supplied with the Kit)**



**4. Solder the Micro Coaxial Connectors J28, J29 on the top layer of the Hermes PCB (supplied with the Kit)**

**5. Install Heat sink below the SMPS Chip U24 (TAPR Board)/U58 (Apache board) on bottom layer(optional) not supplied**

**Use Digi-key Part number 345-1098-ND**



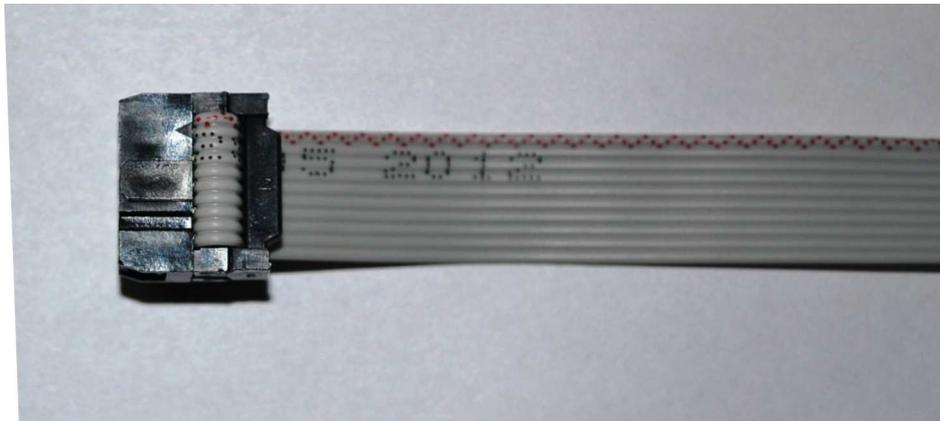
6. Solder the Power cable to Hermes J10 pin1 (+12V), Pin2 (GND), the connector on the other end of the cable plugs into the PA board power connector



Note - Use the longer cable for J28 - J2 and the shorter one for J29 - J3 connection

7. Connect micro coaxial cable from Hermes J29 to PA J3 (cable supplied with Kit)

8. Connect micro coaxial cable from Hermes J28 to PA J2 (cable supplied with Kit)



9. Connect the ribbon cable from Hermes J15 to PA connector J7, ensure polarity correction (cable supplied with Kit), ensure that the flat side faces pin 1 on both boards.

**10. Follow further assembly instructions:**

- Q1 and Q2 are factory biased at 250mA each, no further bias adjustment is required
- You will have to cut the 10 pin Apollo header pins by 2-3mm (Installed on bottom layer of TAPR manufactured Hermes), this connector should have been a right angle connector
- Slide the Hermes Card into the lowest slot just over the base plate
- Connect the cables after sliding the card in
- Screw on the back and front plate
- install the rubber feet

**You're Done!!**

