

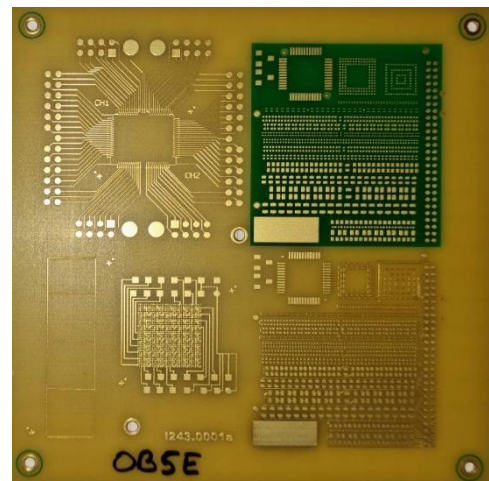
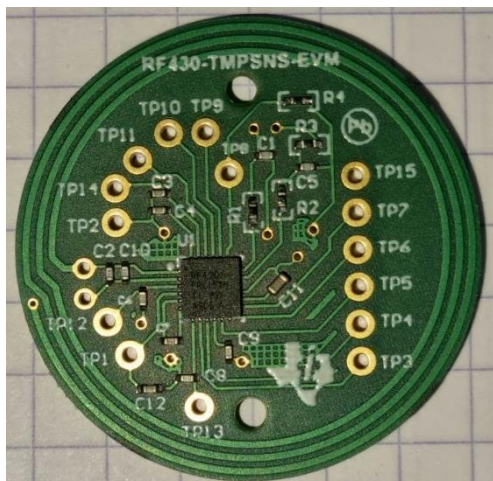
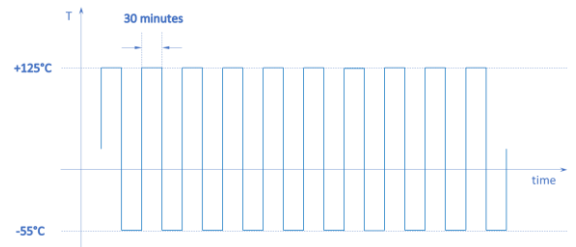
COAT-X is a leader for the ultra-hermetic thin film encapsulation of electronics, sensors and actuators, semiconductors, and critical materials for the telecommunication, transportation, and medical device markets.



THERMAL FATIGUE RESISTANCE OF MULTILAYER PARYLENE/CERAMIC ENCAPSULATION

Thermal fatigue resistance of our Multilayer coating has been evaluated with a temperature cycling test exposing rigid PCBs protected with a multilayer to alternating extreme high and low temperature environments.

The temperature was cycled between **+125°C and -55°C thousand times** with a holding time of 1 hour at each temperature. Transition time was less than 1 minute between “low” and “high” levels. Parts were inspected for traces of delamination.



All PCBs were still functional even after 1000 thermal cycles, and **no delamination** could be observed on the PCB, on the solder mask or on the gold conductors.

