

# Readout electronics update 2-June-2020

**HV-Mux**: production order in progress with STFC and Cambridge in the UK, vendor says order now will have delivery in Nov-Dec 2020. Have 1500 from prototype batch on hand.

**Powerboard**: pre-production design (v3.1) complete and approved by ATLAS

- Started producing last batch of 45 v3.0c prototype boards June 1, progress will be slow due to low occupancy at lab
- Preparing order of 250 flexes for v3.1 with EPEC

**ABCStar**: pre-production order released to manufacturing with vendor in March 2020, wafers back at CERN at the end of May. Will be shipped to DA and RAL in the next week. Expect diced chips from first wafers back at the end of June.

**HCCStar and AMAC**: pre-production design in progress, [Paul Keener's status sheet](#)

- AMAC
  - Adding monitor of input current to AMAC, thanks to tests by Karol Krizka at LBNL
- HCCStar
  - Continue digital design review and implementation of SEE mitigations.
  - Continue functional verification and SEE simulations.
  - Bill Ashmanskas at Penn helping

**Coils**: production order placed on Feb 21 2020, first batch of 100 coils arrived May 20, irradiation tests started, tests at LBNL and DESY