

Modules

- All production sites are preparing for re-opening. No firm dates yet
- Module (virtual) meeting this week, 5/27-28
 - <https://indico.cern.ch/event/922651/>
 - Focus on tools/PCBs procurement and site qualification
- # of tools needed for production (next slide)
 - Need iteration with site staff
 - Extra jigs used for metrology / tests
 - Tool hangers
 - Design drawings appears be up-to-date as of April
 - Special case: power board pick-up tool

of tools for production

	Hybrid assembly	Module assembly	Spares	Total / Site	US Total	Notes
ASIC Gluing Jig	1		1	2	6	
ASIC Tray	1		1	2	6	
ASIC Picker X	1	5	1	7	21	
ASIC Picker Y	1	5	1	7	21	
ASIC Picker Weight	2	10		12	36	
UV LED Bar	4		2	6	18	
6-Way Panel Jig	1		1	2	6	Do we need extra for testing/burn-in?
Module Assembly Jig		10	1	11	33	Do we need extra for testing/burn-in?
IPB Picker		5	1	6	18	Designed by LBNL
IPB Picker Weight		5	1	6	18	Designed by LBNL
Module Wire Bonding Jig		1	1	2	6	
HV Tab Bonding Jig		1	1	2	6	