

Production database content

	Sensor	ASIC	Hybrid	Module flex	Module	Support unit	Detector unit	Flex tail	Glue	Thermal grease
Production	Vendor, batch, ID	Vendor, batch, ID	Vendor, batch, ID	Vendor, batch, ID	Site, date, ID	Vendor, batch, ID	Site, date, ID	Vendor, batch, ID	Vendor, site, batch, ID	Vendor, site, batch, ID
Metrology	x,y,z	x,y,z	x,y,z	x,y,z	x,y,z, wire height, flatness, glue thickness	x,y,z, flatness	x,y,z, flatness, glue thickness	x,y,z		
Operational properties (repeatable)	IV, CV, HV WP (derived from module after assembly)	DAC settings, currents	Disconnected bumps, charge collection	Connectivity, connector usage	Connectivity, HV WP, thermal cycles, power consumption		Replaced modules	Connectivity		
Link to next object	Hybrid	Hybrid	Module (left, right)	Module	Detector unit (position)	Detector unit	Half disk (position)	PEB (position), module	Module or detector unit	Detector unit
Visual inspection		Pass/fail, defects per pad	Pass/fail, pictures, scratches, damages	Pass/fail, soldering, components	Pass/fail, pictures	Pass/fail, pictures	Pass/fail, pictures			
Destructive tests		Shear of bumps			Pull of wires					