

Service Type	Break down of Service Type	Details	Level I	Level II	Level III
Material	Bom integrity	double reference	no	yes - base on ODB++ CAD data & BOM	yes - base on ODB++ CAD data & BOM
		quantity mismatch	no	yes - base on ODB++ CAD data & BOM	yes - base on ODB++ CAD data & BOM
	Open AVL or AVL integrity	open AVL suggestion on passive parts	no	no	no - unless requested
		valid AVL and mfg /pn	no	no	yes - base on ODB++ CAD data & BOM
		AVL matching with part description at BOM (footprint)	no	yes - base on ODB++ CAD data & BOM	yes - base on ODB++ CAD data & BOM
	Material analysis	identify EOL/quote & typical lead time	no	no	yes - via purchasing
		identify long lead time impacting build schedule	no	no	yes - via purchasing
identify potential 2nd source		no	no	no - extra quote	
Gerber/ODB	Panelization	Panelization cost effectiveness	yes	yes - base on ODB++ CAD data & BOM	yes - base on ODB++ CAD data & BOM
	Machine interface	identify any Machine interface issues not in the design	yes - based on gerber	yes - base on ODB++ CAD data & BOM	yes - base on ODB++ CAD data & BOM
	Pad geometry	projection on proper footprint based on pad center to center distance and BOM footprint description	yes - based on gerber	yes - base on ODB++ CAD data & BOM	yes - base on ODB++ CAD data & BOM
		identify potential tomb-stoning pads	yes - based on gerber	yes - base on ODB++ CAD data & BOM	yes - base on ODB++ CAD data & BOM
		identify component spacing violation	yes - based on gerber	yes - base on ODB++ CAD data & BOM	yes - base on ODB++ CAD data & BOM
	Manufacturing quality	Via violation including via in pads; via too closed to pads	yes - based on gerber	yes - base on ODB++ CAD data & BOM	yes - base on ODB++ CAD data & BOM
		identify silkscreen on pad	yes - based on gerber	yes - base on ODB++ CAD data & BOM	yes - base on ODB++ CAD data & BOM
		identify no solder web	yes - based on gerber	yes - base on ODB++ CAD data & BOM	yes - base on ODB++ CAD data & BOM
identify no solder dam		yes - based on gerber	yes - base on ODB++ CAD data & BOM	yes - base on ODB++ CAD data & BOM	
TH vs SMT	SMT component and Through hole component assessment	evaluate selected component (typical are connectors, mating or load bearing type) if they should be SMT or Through Hole Part. If so, impact assessment on other near by components	yes - based on gerber	yes - base on ODB++ CAD data & BOM	yes - base on ODB++ CAD data & BOM
Testing	Test coverage	identify netlist coverage & probable components for ICT and flying probes	no	no	yes - base on ODB++ CAD data & BOM