



Advanced Assembly Solutions Ltd Capability Manual

NB "CA" in box = Customer Approval

		Manufacturing Capability	Advanced Capability	Development Activity
Panel sizes	Vapour Phase oven double sided surface mount	230mm x 290mm		
	Vapour Phase oven single sided surface mount	240mm x 320mm		
	Semi-automated screen print	340mm x 340mm		
	PNP Size	350mm x 470mm		
	Bench print	480mm X 480mm		
	Std reflow oven	450mm		
	Comparator	350mm x 450mm		
PNP	8mm feeders	x 40		
	12mm feeders	x4		
	Component size	<0402 (01005)	<0402 (01005)	<= 0201 (008004) hand place
		BGA (Hand place)	BGA (Hand place)	
	IC Pitch	>= 127 µm (.005")	100 µm (.004")	< 100 µm (.004") CA
Inspection	Standards	IPC610	IPC620 CA	
	AS9100	TBA	TBA	TBA
	AS9102 FAIR	TBA	TBA	TBA
	Comparator	100% plus POI		
	UV	Coating / encapsulation inspection		
	Magnification	x10	x25 CA	x50 CA
Potting / beading	Precision Dispensing for beading / strain relief with vacuum pullback	+/- 0.50mm	+/-0.20mm	<= +/-0.15mm
	Gauge	14-30		
Soldering	Hand solder + flip jigs	Pb and Pb free	IMP HMP	High voltage CA
	Dipping	Pb and Pb free	IMP HMP	High voltage CA
	Rework	SMT fine pitch >= 127 µm (.005")	SMT fine pitch 100 µm (.004")	BGAs and fine pitch < 100 µm (.004") CA
Conformal coating	Spray	By hand		
	Brush	By hand		