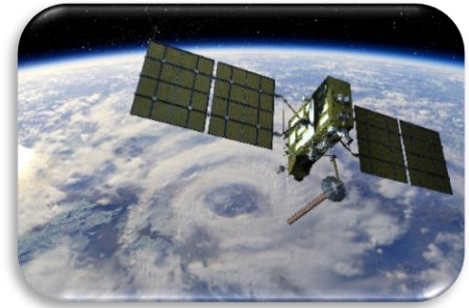




Company Overview – Markets – Products- Capabilities

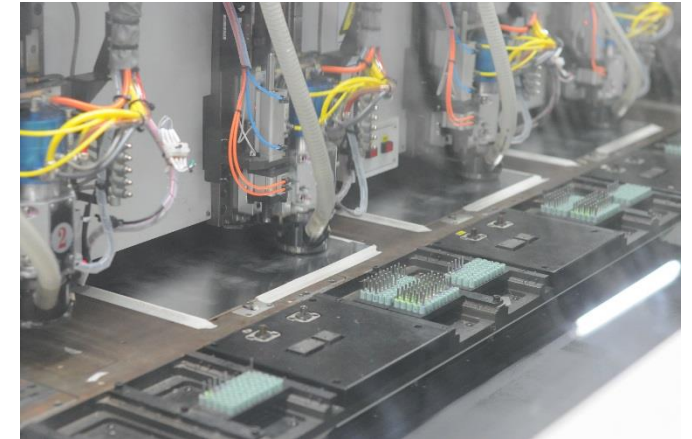
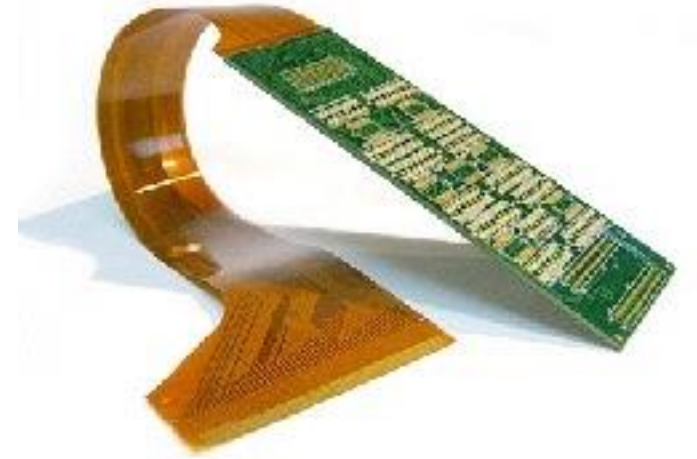
A Simpler way for PCB production.

www.purepcb.co.uk



What can Pure do for you?

- › From 1 off Circuit upward, No MOQ/MOV
- › High Mix Production Focus.
- › Fast Turn & Product Prototype's.
- › UK Based inspection and Front End CAM Engineering.
- › RF & Microwave Experience.
- › Full Aerospace approved PCB supply.
- › Lean Inventory Management Systems.
- › Ease of Quoting & Ordering.

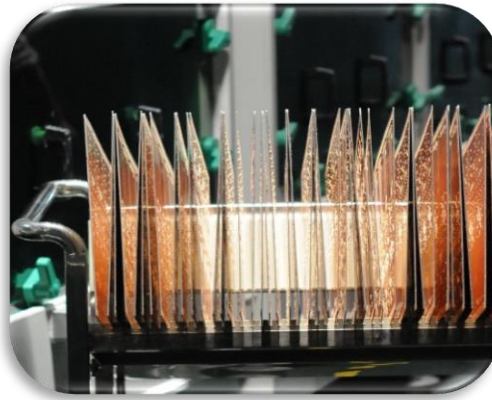


High Mix PCB Production

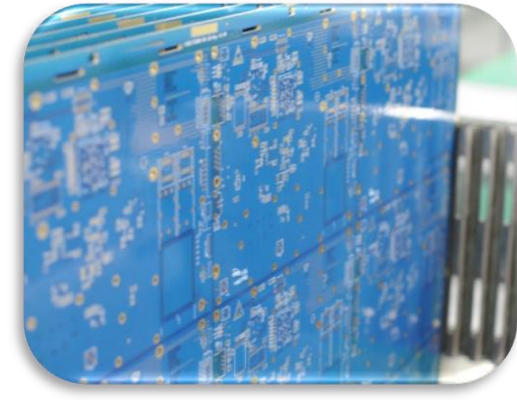
- › No Minimum Order QTY or value
- › STD lead time for 2/4/6, 7 Days
- › HDI/BBV PCB's from 7-10 Days
- › Rigid & Flex Rigid Production
- › Boards Fully BBT / Flying Probe
- › First Article Inspection on all PCB's
- › Micro section on all new date codes
- › Kanban & consignment stock



- › 2 Days UPS from Asia
- › 3 Days DHL from Asia
- › Direct Shipping Available



- › ISO9000 / AS9100 Approved
- › IPC2 / IPC Class 3 Certified
- › Fully UL Approved Production



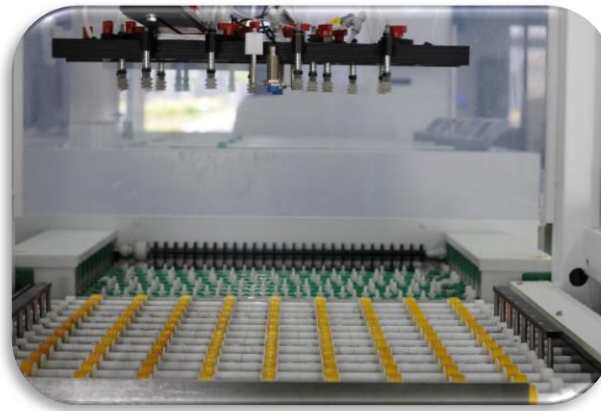
Prototypes & Fast Turn Supply

- › 12h Production - UK
- › 24 / 48 h Production (Offshore)
- › 5 Day Standard Cost Production



- › 2 Days UPS from Asia
- › Direct Shipping Available

- › 2-6 layer Count on 24 / 48h
- › BV / BBV / HDI from 3 Days Production
- › Class 3 HDI from 5 Days Manufacture

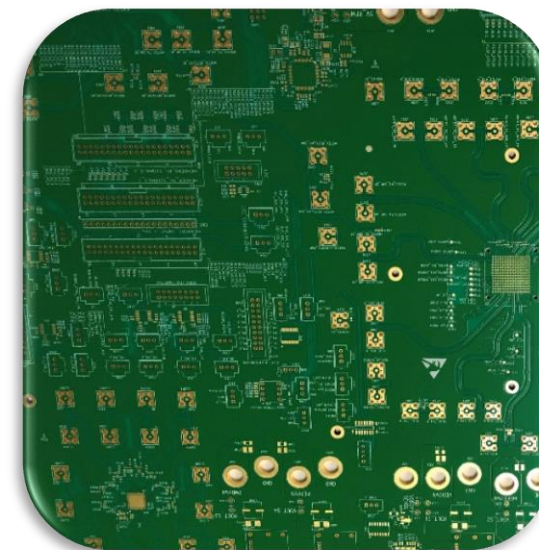


- › ISO9000 / AS9100 Approved
- › IPC2 / IPC Class 3 Certified
- › Fully UL Approved Production



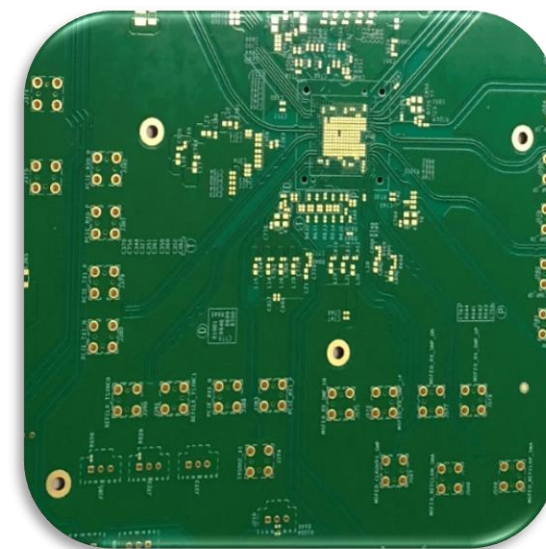
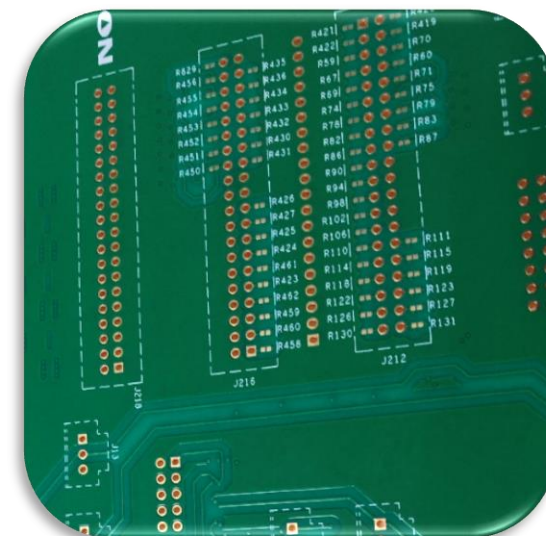
Our Rigid PCB Capability

Pure Electronics Rigid PCB Capability Overview	
PCB	Pure PCB Current Capability
Layer Count	1-64 Layers
Max board Size	W ≥4mm L ≤4mm - ≤ 1200mm
Board thickness	0.2 - 4.5mm
Minimum Line Width & Space	3mils / 3mils
Min. Drill Size	0.15mm
Hole Wall Thickness	15μm - 35μm
PTH Drill Tolerance	±0.075mm
NPTH Drill Tolerance	±0.055mm
Aspect Ratio	3mils / 3mils
impedance Control Tolerance	0.1 to 3.5mm



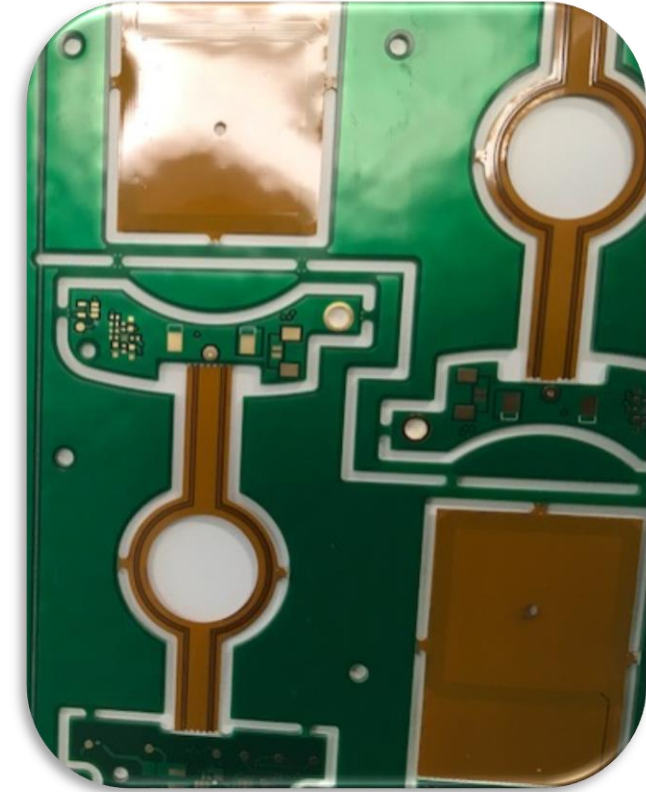
Our HDI PCB Capability

Pure Electronics HDI PCB Capability Overview	
PCB	Pure PCB Current Capability
Layer Count	1-64 Layers
Build-up Layer Count	W ≥4mm L ≤4mm - ≤ 1200mm
Min. line Width / Space	0.2 - 4.5mm
Min. Mechanical Drill Size	3mils / 3mils
Min Laser Drill Size	0.15mm
Min. Capture / Target Pad Size	15µm - 35µm
Specialist Capability	Blind and Buried via technology, Copper filled via, stacked and staggered microvia (4 step max)



Our Flex Rigid PCB Capability

Pure Electronics Flex Rigid Capability Overview	
PCB Technology	Pure PCB Current Capability
Layer Count	4 through to 28 Layer Production capability
Available HDI Technology	1+N+1
	2+N+2
	3+N+3
	4+N+4
	Full Layer Interconnect Available
Available PCB Thickness	0.3mm to 3.5mm
Minimum Line Width and Space	From 0.075mm
Available HDI Surface Finishes	ENIG
	Lead Free HASL
	Immersion Silver
	Immersion Tin
	OSP
	ASIG/ISIG
Suitable HDI Materials Available	Standard TG FR4
	High TG FR4
	Taconic/Rogers/Arlon/Nelco/Isola
	Halogen Free FR4
Minimum Available Drill Size	Mechanically Drilled 0.15mm
	Laser Drilled 0.1mm
	Aspect Ratio 1:0.8
Via Fill Option	Resin Fill Via
	Copper plated shut up to max 6L
	Solder Mask Ink



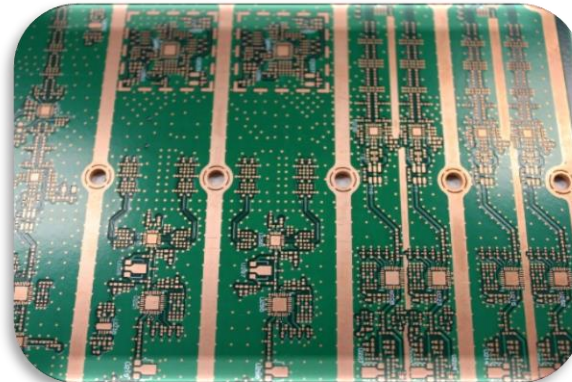
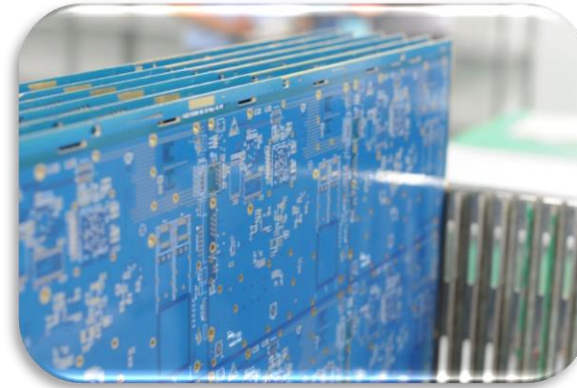
Our Flexible PCB Capability

Pure Electronics RF PCB Capability Overview		
Category		Pure PCB Current Capability
Materials	Laminate	Adhesive-Coated, Non-Adhesive coated
	Reinforcement	PI, FR4
	Adhesive	Acrylic
	Coverlay	Adhesive Layer: Epoxy, Acrylic
No. Of Layers	Flexible Board	4
Board Thickness	Finished Board	min 0.07mm
	Tolerance	min ± 0.03 mm
Copper Thickness	Inner Layer	1/3 - 10z
	Surface	1/3 - 20z
Unit Size	Min.	min 20mm x 20mm
	Max.	max 457 x 610mm
Line Width / Line Spacing	Inner Layer	3mil / 3mil
	Outer Layer	3mil / 3mil
Hole Size	CNC	min \varnothing 0.15mm
	Laser	min \varnothing 0.10mm
Drill Aspect Ratio	Laser	max 1.2:1
	CNC	max 15:1
Core Thickness	Flexible Core	min 0.0125mm
Size Tolerance	Laser Cut	± 0.05 mm
	Mould Punch	min 0.05mm
Surface Finishing		Immersion Gold, Gold Plating, HASL, OSP, immersion Tin, ENIG, Immersion Silver, Tin / Copper Plating

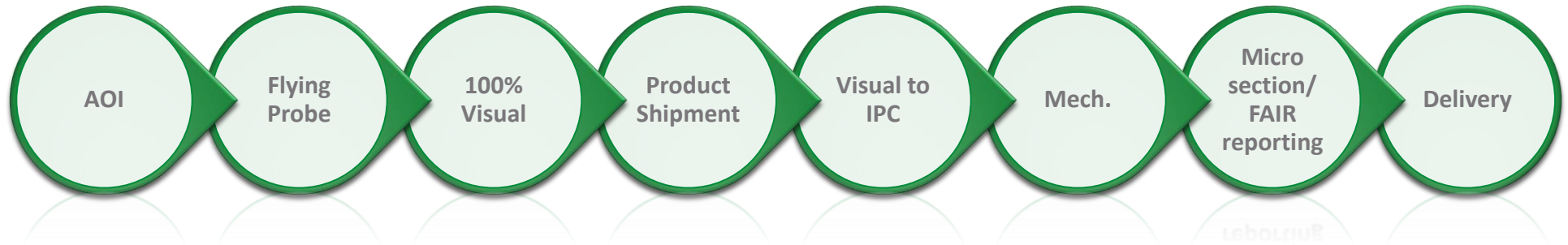


Why Pure PCB?

- › IP Security & Control
- › UK Held Data
- › UK / FE CAM Engineering
- › UK Domiciled Business
- › ISO 9000 Approval
- › Kanban & Consignment stock models
- › ISO9001 – LRQ 4009361



PCB quality verification.



Factory Quality Verification

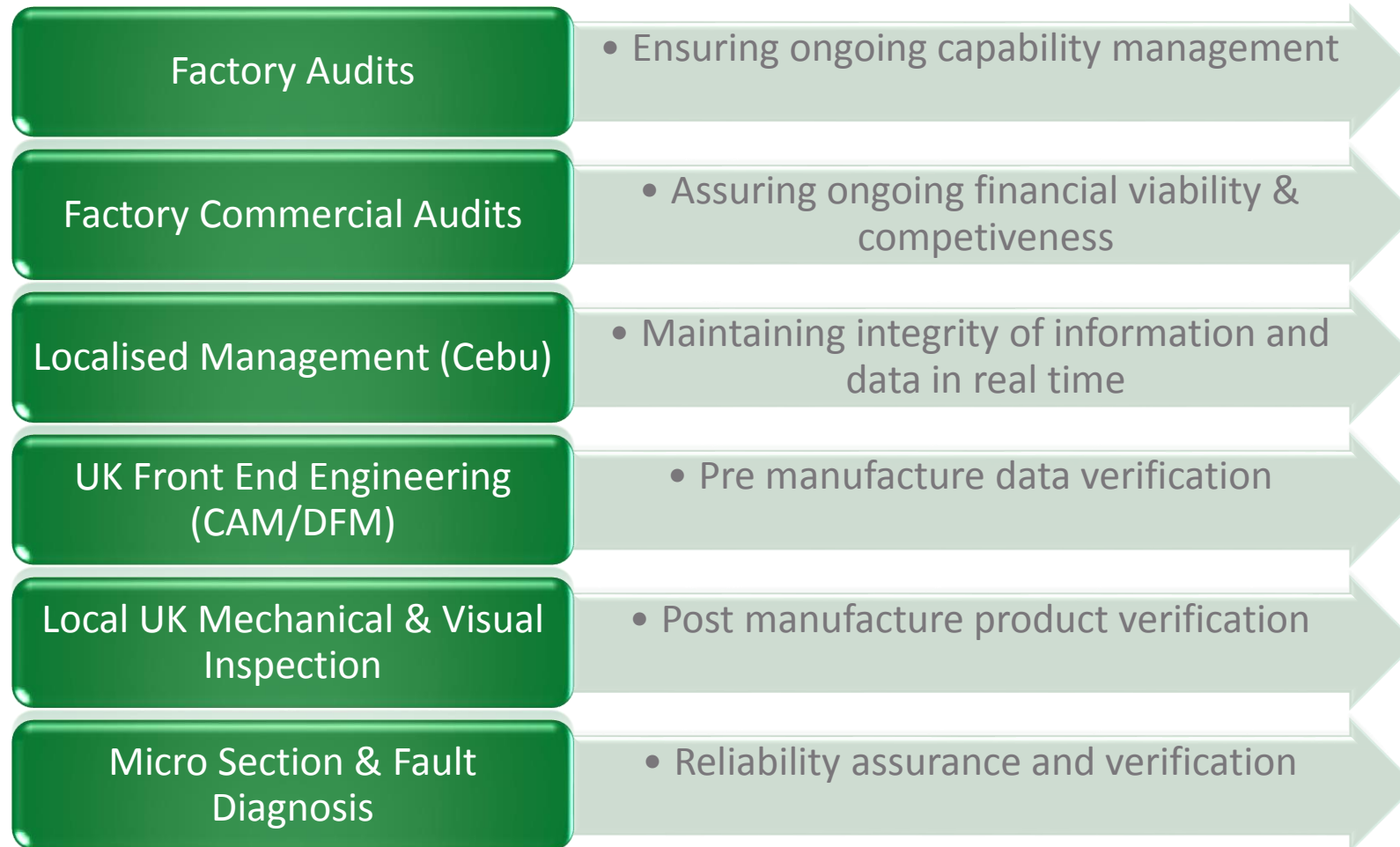


Pure UK Product Verification



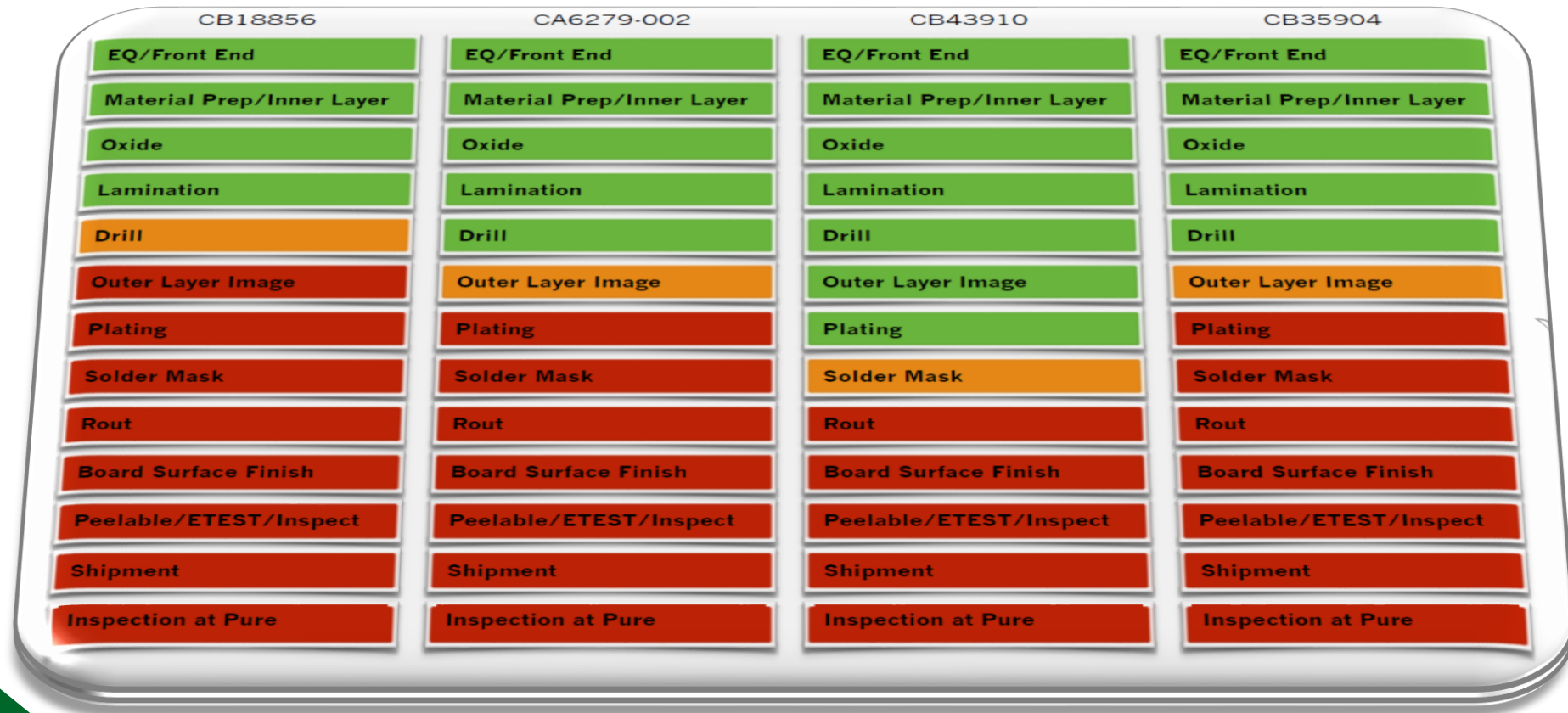
Securing Our PCB Production.

› Pure Electronics has a robust & secure process for assuring manufacturing & product capability.



Transparent Manufacturing

- › Pure PCB provide a fully transparent PCB production process for all prototype and pre-production printed Circuit Boards, ensuring Customers are kept up to date.



Contact Us



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