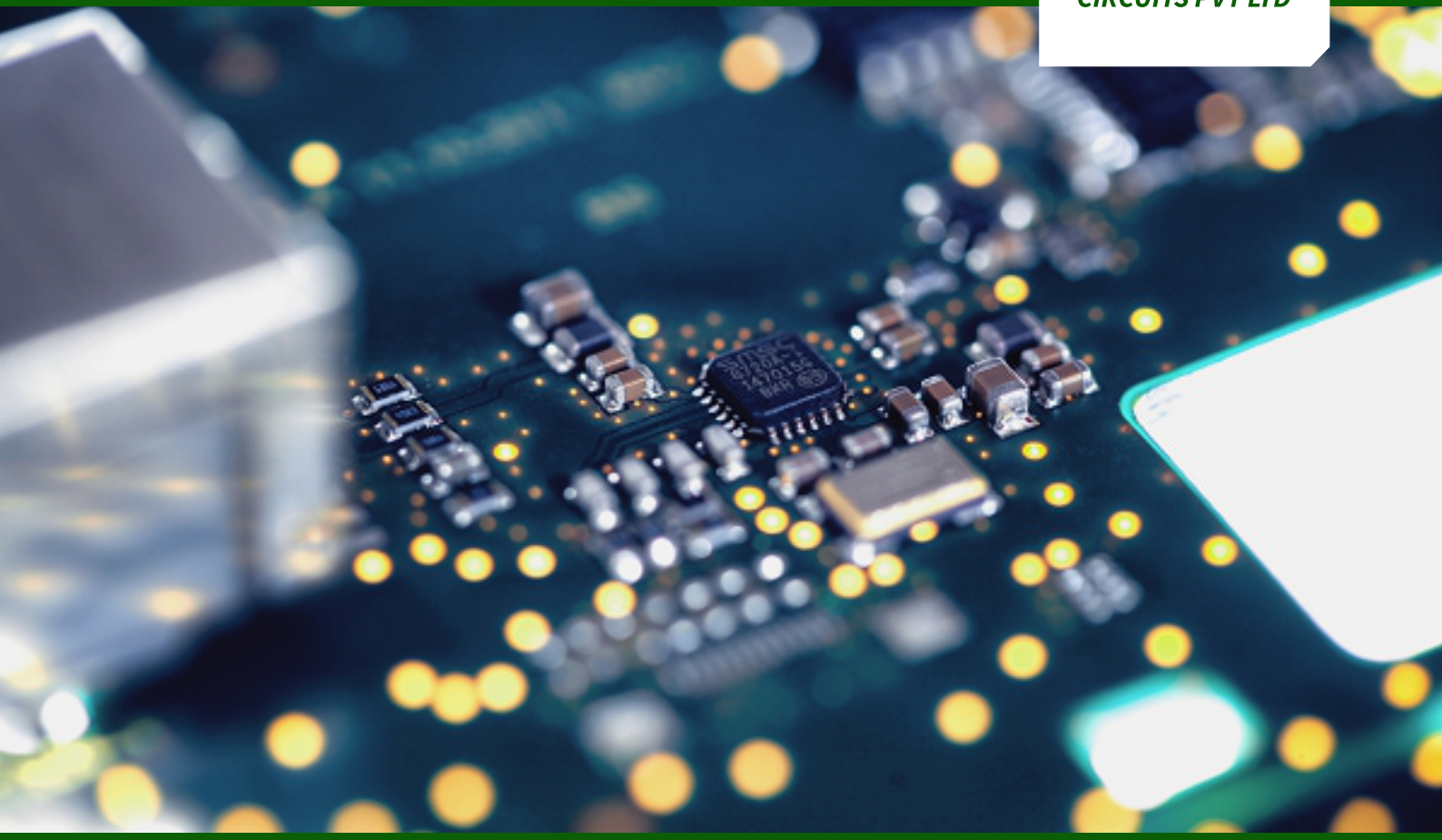
Ascent
CIRCUITS PVT LTD



Alu-Flex PCB

ENABLING A CONNECTED FUTURE

www.ascentcircuits.com

CAPABILITIES - PCB Manufacturing

- Premium and Specialised manufacturers in Single Sided, Double Sided, Multi-layer, RF/Microwave, Flexible, IMS/ MC, Aluminum Flex and Speciality PCBs.
- We confirm our manufacturing capability based upon final PCB designs & requirements.
- Acceptance of PCBs designs is subject to MRC and Feasibility checks.
- All our PCBs comply with IPC standards unless specified otherwise.

Product Features	Variant	Standard
Max. Layer Count		1
Min. Board Thickness (Finished)		0.6 mm
Max. Board Thickness (Finished)		As per design
Min. Core Thickness		0.05 mm
Min. Dielectric		0.025 mm
Min. Starting Copper Foil Thickness		17.5 micron
Min. Deliverable PCB Size		As per design
Max. Deliverable PCB Size		As per design
Smallest Mech Drill Diameter		0.35 mm
Mini. Punched Hole Diameter		0.80 mm
NPTH Slots		Yes
Mini. Line Width (trace) and Spacing		As per design
Process Pad Diameter for minimum Annular ring of 0.05 mm		Drill dia + 0.2 mm
Min. Diameter Rout Cutter Available		1.0 mm
Routed Part Size Tolerance (Depends on PCB size)		0.2 mm
Thickness Tolerance	Plus or minus	10%
Surface Finishes		
OSP (Entek)		Yes
Lacquer (for Single Side PCBs only)		Yes
ENIG (Electroless Nickel / Immersion Gold)		Yes
Immersion Tin		Yes
Fab		
Routed Array		Yes
Profile Punching		Yes
Electrical Test		
10 Volt		Yes
40 Volt		Yes
250 Volt		Yes
Max. Test Area	FPT	610 x 510 mm
	Bed of nails	16" x 12.8"
Min. pitch of test pads	FPT	0.25 mm
	Bed of nails	0.5 mm
Min. test pad size	FPT	0.2 x 0.2 mm
	Bed of nails	0.3 x 0.3 mm

T&C Apply:
Products with asterisk(*) are only available on special request

Product Features	Variant	Standard
Test conditions	FPT	10 ohms, 10 Meg Ohms
	Bed of nails	20 ohms, 10 Meg Ohms
Laminate Materials Alu-Flex Boards		
Aluminium 5052		Yes
Polyimide		Yes
Reports		
Quality Conformance Inspection report		Yes
Microsection		Yes
Solderability		Yes
XRF (X-ray Fluorescence)		Yes
Ionic Contamination		Yes
Time Domain Reflectometry test (TDR) for Controlled Impedance Boards		Yes
FAI (First Article Inspection)		Yes
PPAP Documents (on specific request)		Yes
Certificate of Compliance (C of C)		Yes
UL		
94VO (for a large selected families of products)		Yes
System Approvals		
ISO 9001:2015		Yes
IATF 16949:2016		Yes
ISO 14001:2015		Yes
BS/OHSAS 18001:2007		Yes
German Automotive VDA 6.3		No

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