

Quick-turn PCBA, built in San Francisco.

Prototype and low-volume assembly for 1-15 boards. Sub-48-hour assembly for quantities under 10 once bare boards and components are in hand.

CORE CAPABILITIES

BOARD THICKNESS 0.4 - 2.0 mm	MAX BOARD SIZE 250 x 279 mm
SMALL BOARDS Under 40 x 40 mm: panelized	MAX COMPONENT HEIGHT 18 mm
SMALLEST PASSIVE 0201	QFN / QFP 0.4 mm minimum pitch
BGA 0.65 mm minimum pitch	ASSEMBLY Double-sided SMT + through-hole

QUALITY & INSPECTION

- IPC Class 2 & Class 3 assembly
- Inspection to IPC-A-610 criteria
- First article inspection
- In-house Glenbrook X-ray
- Fully ESD-controlled handling

TEST & PROGRAMMING

- Power-on testing
- Firmware flashing/programming
- Multimeter testing
- Oscilloscope testing

PROCESS

- Lead-free SAC305 only
- Cut tape, reels, trays & tubes
- Flux removal & board cleaning
- V-score & tab-route depanelization
- Rework/repair of Axal-built boards

SOURCING & CONSIGNED MATERIAL

We source the parts. Major distributors supported, including LCSC BOM conversion and alternatives.	Or send us yours. Customer-supplied bare PCBs and components accepted. Local pickup available.
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READY TO BUILD? Send: Gerbers + BOM + CPL / placement file

Build-process photos available upon request. Bare PCB fabrication is coordinated through domestic and international partners.