ADVANCED CIRCUITS

Leading the PCB Industry in Quality & Innovation

Quote Valid for 30 Days

Part Number: PIPER HC BOOST	**Revision: V3.0**	**Date: 5/13/2019**	**Assembly Quote Number: XT-75066**
Contact: Noah Swimmer, University of California - Santa Barbara		**Quoter: juand**	**Region: 18**

Assembly Turn Time (Working Days) Listed Below / Labor and Parts Pricing is Per Board

The assembly turn-time is based on working days and **does not** start until we have received and audited all components (including customer supplied); all required electronic data including Gerber / solder paste & CPL files and manufacturing engineering issues have been resolved.

Unit pricing is per release quantity; all prices are in US dollars. Unit price **does not** include shipping and handling of completed assemblies.

The pricing below **does not include the cost of the PCB, tooling or testing**; you will have to contact your Advanced Circuits Sales Manager/Associate for pricing of your PCB. **We only assemble PCB's manufactured and tested by Advanced Circuits**.

	Labor Same Day	Labor 1 Day	Labor 2 Day	Labor 3 Day	Labor 4 Day	Labor 5 Day	Labor 7 Day	Labor 10 Day	Labor 15 Day	Labor 20 Day	*Parts Per Board*
3	Call Us	Call Us	$313.82	$261.51	$222.29	$189.60	$169.98	$130.76	$117.68	$115.07	***$95.99***

Unlike most of our competitors we have NO Additional NRE or Hidden Charges for setup, engineering, stencils or programming. We invite you to compare the total assembly price when making cost and turn-time comparisons from other manufacturers.

Additional Docs Needed: CPL Required: Assembly Drawing Required

Inspected to IPC-610 Class 2
J-STD-001 NOT Required
First Time Build
ITAR NOT Required Per PCB Quote

LI	15
SMT	33
FP/SMT CN	0
TH	6
BGA/LL	0
SMT Sides	2
Lead Free	Yes

Assembly Requirements:
CLICK HERE for a Complete List of Assembly Requirements

Warranty: http://www.4pcb.com/pcb-term-conditions.html
90-day limited warranty: Advanced Circuits (AC) does not accept any liability for any cost in addition to the bare boards, and disclaim any open-ended acceptance of liability for losses beyond the control of AC. In the event that it is required and if AC assembled the PCB, we will include the cost of the AC-supplied components and labor with regards to replacing the assemblies, or a credit will be issued. All other limitations will still apply.

Material Notes: (Material availability / stock is not guaranteed upon receipt of order): External Notes - Testing
See Separate Attachment

Manufacturing Notes: IPC 610 Class II Workmanship Standards
All vias under BGA / leadless type devices will need to be plated shut or epoxy filled with overplate to ensure proper solder connection during the reflow / manufacturing process. Placements (overhang, panel mount, chassis mount, or D-SUB connectors): Parts that require specific placement tolerance and/or constraints will require a customer provided drawing that confirms the needed tolerances for production review prior to assembly. If information is not provided prior to order parts will be placed to AC standards and procedures based on info available.

Manufacturing Notes:
Assembly Liability Waiver- It is not recommended that component solder termination, board finish, and solder paste/wire alloys are mixed. If the customer specifies either in drawing, BOM, or PO submission, Advanced Circuits will not be liable to any issues that may happen internally or once product is fielded.

PCB Fabrication Notice:
We have included in our silk screen logo a 2mm x 2mm block that will be used to mark a 2D Matrix code. This marking will provide information that will allow for full product traceability. If this is not accepted we must know before the PCBs are placed.
PCB's are required to have a format with breakaway rails of 0.5" on at least 2 opposing sides. If rails are not present we can build individual boards provided the following criteria is met:1-up PCB size is 2"x2" (51mmx51mm) or greater, each 1-up PCB must have fiducials, fiducials must be a minimum of 0.118" (3.0 mm) from the edge of the PCB, no component can be closer than 0.196" (5.0mm) from the edge of the PCB.