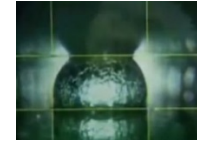




ACME PCB Assembly	QUOTATION SHEET
161 Selandia Lane, Carson, CA 90746	5/12/2017 Quotation # SQ170512-1540-00
Tel. (310) 715-1898 Fax. (310) 532-8128	Quotation made by: Hyperbean

TO: : University of Michigan
SUBJECT : BackPlane C PCB Assembly labor
PAYMENT : Net 30 days after credit approval.
SHIPMENT : FOB Carson, CA
VALIDITY : 30 DAYS



	4 weeks	3 weeks	2 weeks	1 week	3 days	2 days	1 days
20 piece unit cost	\$74.10	\$91.50	\$88.95	\$107.45	Call	Call	Call

This quote based on all components assembly on top side of PCB only.

REMARKS :

- This quote is for Non-ITAR product assembly
- ACME PCB Assembly will certify that assembly's workmanship complies with IPC-A-610, Class II, as far as the provided design and materials allow.
- Please notice ACME if customer need use RoHS Lead Free solder or ACME might use either Lead free, or Lead solder.
- Electronics components need come within one continued strip. 3% to 5% attraction part for passive components, (6 inches length space with components in 1 single continue tape is required for loading to machine.), This is needed to cover normal production shrinkage and repair requirements. Below information for your reference. It is additional part after 3% to 5% attraction part for those cutting tape.
 - for 0201 components need 35pcs extra, for 0402 components need 25pcs extra, for 0603 components need 15pcs extra.
- All loosing SMT components are losing package can't production by machine, need hand placement and will be charge \$0.15 per components. Via on Pad caused ACME need touch up for the solder insufficient will be charge \$0.15 per pad. Components in tube will be charge \$0.08ea for labor to convert it to Tape.
- ACME might be using either No Clean solder flux or Water soluble solder flux with In-line DI water clean process. Any critical components for Heat, non-washable and so on, need notice ACME PCB Assembly before assembly. Customer needs to notice ACME if there is any component or PCB need baked before assembly process. Any components required to be mounted off the board as high heat dissipating or other special assembly requirement need notice ACME before starting the job.
- Pricing is subject to change after review of sample board and actual process. Please notice ACME PCB assembly for mask holes on those uninstalled Thru-hole components, this quote is not included masking holes labor.
- Assembly job made in Carson, California. This quote is for 100% visual inspection, not including Testing, Programming, Epoxy, or Conformal coating. ACME will taking care of the failure board if customer point out which is the workmanship issue. ACME do not give credit for any rework or repair that is done by customer.
- Customer need provide pick and place file, or components XY table for machine program purpose.
- Lead-time starting counting when it is complete kit. Kit audit not included in assembly lead TIME.
- Components on PCB need 3mm (0.12") clearance from board edge, or breakaway rails are required. PCB size smaller than 1.5" x 1.5" need come with panelized.
- Price includes a one-time SMT Machine set-up charge only. Should there be any additional set-up required; \$250.00 will be charged for each time thereafter. Design related problems which require addition rework is not included in the above price.





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- NRE fee \$200. 00 for 1st time SMT line set up (**Waived by Stephen Yun if customer can provides pick and place file**)
- Each Stencil will cost \$400.00 NRE fee for SMT if ACME PCB assembly need make it. (**This job required 1 stencil**)
- Failed assemblies that require parts for repair must be supplied by the customer within 2 weeks of the request. If the customer does not fill the shortage, the failed assemblies will be tagged, inspected, cleaned, packed and returned to the customer. The customer will be billed for the full amount.
- ACME PCB Assembly warrants the products assembled for a period of 90 days from the date of shipment, to be free from workmanship defects.
- ACME PCB Assembly liability not to exceed cost of services provided.
- Prog. Payments due upon date of Inv. And delinquent thereafter. Final acceptance & all other invoice due upon date of Inv. & delinquent 30 days thereafter. Finance charge of 1 ½ % mo. Applied to all inv. From date of Inv., which become delinquent. Customer to pay all attys. Fee & costs of ACME PCB assembly is delinquent.

x Stephen Yun
 Stephen Yun
 Vice President / ACME PCB Assembly

