



# Sierra Proto Express

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www.protoexpress.com

# Quotation

Customer: **Brookhaven National Laboratory**

Quote Number: **Q32684-1**

Quote Date: Jul 5 2007  
Quote Valid Till: Aug 5 2007

Buyer: Andrey Sukhanov  
sukhanov@bnl.gov  
Tel: 1 631 344-7119 Fax:

Address: Building 510A, Omega Group  
Upton, New York 11973  
United States

Payment Terms: NET 30  
PART NUMBER: **FH26-FH12** REV: 1

<b>Layers</b> 2	<b>Indv Brd Dimensions</b> 1.2795 in x 1.673 in	<b>Array No</b>
<b>Class 3</b> No	<b>Minimum Trace (Outer layer)</b> 0.003937	<b>Solder Mask Finish</b> Standard (Semi-Gloss)
<b>Milspec</b> No	<b>Minimum Space (Outer layer)</b> 0.00394	<b>Carbon Ink</b> No
<b>ROHS compliant</b> No	<b>Minimum Trace (Inner layer)</b> Not Applicable	<b>Silk Screen</b> Yes
<b>Route and Retain</b> No	<b>Minimum Space (Inner layer)</b> Not Applicable	<b>Silk Screen Sides</b> 1
<b>Scoring</b> No	<b>Controlled Impedance</b> No	<b>Silk Screen Color</b> White
<b>Extensive route</b> No	<b>Controlled Dielectric</b> No	<b>Internal Cut outs/Slots</b> No
<b>Material</b> FR4	<b>Minimum Drill to Copper distance</b> Not Applicable	<b>Counter Sink</b> No
<b>Finished Thickness</b> 0.008	<b>Minimum Hole Size</b> 0.012	<b>Counter Bore</b> No
<b>Thickness Tolerance</b> 0.001	<b>Blind vias</b> No	<b>Edge Plating</b> No
<b>Surface Finish</b> Immersion Gold	<b>Buried vias</b> No	<b>Edge Plated Holes</b> No
<b>Outer Layer Finish Copper</b> 1 Oz	<b>Solder Mask Sides</b> Top and Bottom	<b>Etchback</b> No
<b>Inner Copper</b> Not Applicable	<b>Solder Mask</b> Yes	<b>Entek</b> No
<b>Mixed Copper</b> Not Applicable	<b>Solder Mask Type</b> LPI	
<b>Gold Fingers</b> No	<b>Solder Mask Color</b> Green	
<b>Number of Holes Per Board</b> 42	<b>Number of Plots</b> 05	

Internal Rep: Rosy Bagai  
Phone: 800-763-7503 Fax: 408-735-1408  
Email: rosyb@protoexpress.com

Quote Line Item Number	Due Qty	Delivery Days	SubTotal	NRE	Netlist Test	Other	Total
Q32684-1A	10 Board(s)	5 Days	\$1387.75	\$0.0	\$0.0	\$0.00	\$1387.75
			Unit Price: \$138.78 (Tooling waived)				

Notes: (Testing will be done, but charges waived)

This quote is only valid for 30 days unless otherwise agreed upon in writing by our representatives. Sale subject to limited warranty. Warranty extends only to bare PCBs and does not apply after components are added by you or others. Our liability shall not exceed price paid by you for the ordered PCBs. No change or addition to these terms, or any additional or different terms on your purchase order, shall be binding on us unless executed in writing by one of our officers.

Sierra Proto Express Sales Team: Phone: (800) 763-7503. Files for quotes and orders should be sent directly to [files@protoexpress.com](mailto:files@protoexpress.com); not to your account manager. Any communication or files for Milspec and IPC Class3 quotes and orders should be sent to dedicated email inbox; [MilspecFiles@protoexpress.com](mailto:MilspecFiles@protoexpress.com).

Thank you for the opportunity to quote your PCB needs.

**Disclaimer:** If IPC Netlist is not provided in 356 format, Sierra Proto Express will create a netlist from the incoming customer Gerber files to generate an electrical test program. In such cases, Sierra cannot guarantee, nor can it be liable for the electrical performance of the boards, since the test program itself is derived from the files submitted.