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Sierra Circuits, Inc.
1108 W. Evelyn Avenue
Sunnyvale, CA 94086, USA
408-735-7137
<http://www.protoexpress.com>

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Sales Order Confirmation

Order Date	Nov 29 2012	Part Number	Power Supply Panel
Order Type	CQ	Revision	
Work Order Number	261219	Order Number	256044-iQ-1
Tool Number	91982	Order Status	In process
Internal Sales Rep	Gabriel Chavarria	Line Item Type	PCB Fabrication

Buyer : Robert Stickney Email : rstickney@as.arizona.edu Phone: 520-626-9722 Fax :	Designer Contact Robert Stickney University of Arizona Email: rstickney@as.arizona.edu Phone: 520-256-6127	Purchase Order Number (if applicable) Name on Card UA Steward Observatory Card Number *****9584 (Last 4 digits) Card Type Visa Card Expiry JUN-2013
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Quantity	Quote Amount	NRE	Electrical Testing	Misc Charges	Other Charges	Sub-Total	Tax	Shipping And Handling (FedEx Standard Over Night)	Final Adjustments ()	TOTAL
18 Boards (1 Array(s))	\$374.94	\$0.00	\$0.00	\$0.00	\$0.00	\$374.94	\$0.00	\$35.00	\$0.00	\$409.94

- NRE done, with charges
- Electrical Testing done, with charges
- This document may be regarded as a formal Invoice if Order Status is shown as "Shipped".

Part Information	
Turn Time	5
Product Name	Custom Quote
Layers	2
Number of boards per array	18
Array Dimensions	9.3 inches x 15.5 inches
Board Dimensions	3.5 inches x 2.5 inches
Customer Notes	

Product Description			Surface Finish	HASL
	Enable PCB Assembly Specs ?	No	Ground Plane on Outer Layer	Yes
	Scoring	No	Micro Section Coupon	No
	Number of Holes Per Board	111 bd/1998 array	Drill file provided?	Yes
	Silk Screen Sides	Both	Gold Fingers	No
	Enable Component Pricing Details?	No	Solder Mask	Yes
	Smallest Inside Radius	N/A	Make Material	No
	Minimum Hole Size	28 mils	Fab drawing provided?	No
	Silk Screen Color	White	Starting Copper Outer	1 oz
	Enable PCB Design Specs?	No	Solder Mask Sides	Top and Bottom
	Material	FR4- lead free	Enforce Single Job Batch	No
	Internal Slots	None	IPC Netlist Provided?	No
	Logo Allowed	In copper or silk	Outer Layer Finish Copper	2 Oz
			Solder Mask Color	Green

		Preliminary STA check by	STA Check Pass
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	PCB Fabrication Spec UL Required Internal Cutouts Photo plots ITAR? ROHS compliant Minimum Trace (Outer layer) Check Plots for approval Multi part Gerbers Backer Board Minimum Space (Outer layer) Plot Transfer Method to Customer Gerbers provided? Finished Thickness Minimum Trace (Inner layer) Solderpaste Files for Customer Layer order provided? Thickness Tolerance Minimum Space (Inner layer) Cross Section certificate Board outline provided?	IPC-600 Class 2 No None No No No 15 mils No Not Applicable No 15 mils None Yes 0.062 inches Not Applicable No Yes Plus or Minus 10% Not Applicable No Yes	Checkin Assembly BOM Available Inner Copper Solder Mask Type Rohs Marking Array Electrical Test Solder Mask Finish Silk Screen method Arrays need to be created by Sierra Etchback Solder Mask Via Opens Aerospace Application Individual Route Controlled Impedance SM Plugged Vias Medical Application Route and Retain Controlled Dielectric Silk Screen	SI A Check Done No Not Applicable LPI No Yes Yes Standard (Semi-Gloss) Any No No Open on both sides No Yes None No No No No Yes
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Order File history			
File name	Upload date	Uploaded by	File Used

Contact Information	
Billing Contact Craig Kulesa () University of Arizona Steward Observatory 933 N Cherry Ave., Rm. 374b tucson, Arizona 85721-0065 United States Phone:	Shipping Contact Robert Stickney(rstickney@as.arizona.edu) University of Arizona Steward Observatory 933 N Cherry Ave. Tucson, Arizona 85721-0065 United States Phone: 520-256-6127

Shipping Information			
Tracking number		Ship Date	DEC-5-2012
Promo Code (if any)			
Notes for Customer			
Shipping Notes			

Generic Terms & Conditions: 1. Prices are FOB Sunnyvale in US dollars; Taxes & Shipping Charges extra as applicable. 2. This quote is only valid for 30 days unless otherwise agreed upon in writing by our representatives 3. If you have provided a Fedex/UPS account number, then your shipping charges are \$0.00. However, if your Fedex/UPS account number is found to be invalid, we will charge our regular shipping charges. PCB Fabrication Terms & Conditions 1. Sale subject to limited warranty. If you are buying PCBs only, then 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. 2. If your design calls for green LPI soldermask, we may elect to use the Taiyo LDI green soldermask (PSR 9000 LDI), which is slightly different visually but otherwise has same functionality as regular soldermask. 3. If IPC Netlist is not provided in 356 format, Sierra Circuits Inc 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.
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End of Sales Order Confirmation for order **256044-iQ-1** whose current status is **In process**
as of **Dec 13 2012 7:33AM** .

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