

SIERRA
CIRCUITS

Feedback for this order

Use our Customer Portal to follow up on your order!
Your Sierra Project ID is [SPX89451](#)

ORDER INFO			
Internet Order Number	1457600-iRW	Account Rep	Michael Cussary
Order Date	Nov 6 2024	Email	michaelc@protoexpress.com
Order Status	Shipped	Phone	408-735-7137 x 9819
Service Code	WPC+WAC+WCC	WO#	485925
Classification Code	TKP	Tool#	211034

BUYER INFO		PAYMENT INFO	
Buyer Name	Chris Sadlers	Payment Method	ACH / WIRE
MemberID	Sadlers123	PO Number	
Company	Sunrise Labs	(if applicable)	
Email	csadlers@sunriselabs.com		
Phone	(772) 538-4880		

You have ordered : **PCB + Assembly Labor + Components**
Your order was placed on **Nov 06, 2024 5:53PM** under **MemberID: Sadlers123**
Your order will ship by FedEx Standard Over Night

INTERNET ORDER LINE ITEM	QUANTITY	TURN TIME	QUOTE AMOUNT	NRE	TESTING	MISC CHARGES	SUB-TOTAL	TAX	TOTAL

1457600-iRW-1 (PCB Fabrication)	75 Boards	5 Days	\$2667.00	\$0.00	\$140.00	\$0.00	\$2807.00	\$0.00	\$2807.00
1457600-iRW-2 (Assembly Labor)	75 Assemblies	5 Days	\$15751.50	\$0.00	\$0.00	\$0.00	\$15751.50	\$0.00	\$15751.50
1457600-iRW-3 (Components)	75 Assemblies	--	\$8593.11	--	--	\$0.00	\$8593.11	\$0.00	\$8593.11
								SHIPPING	\$192.00
								TOTAL	\$27343.61

- If NRE shows \$0.00, it means NRE charges are waived.
- Electrical Testing done, with charges as shown
- This document may be regarded as a pro-forma Invoice. A formal invoice is mailed after order ships.

Your uploaded online BOM: [BOM339655](#)



PART INFO

Part Information			Admin Notes for Customer (if any)		
Product Name	WebProduct (PCB Fabrication)				
Part#	ZVNA4010 Rev B				
Turn Time	5 Days				
Layers	6				
Arrays:	No				
Board Dimensions	4.632 inches x 2.375 inches				
Customer Notes					
Product Description	Material	FR4- lead free	Silk Screen	Yes	
	Finished Thickness	0.062 inches	Silk Screen Sides	Both	
	Surface Finish	ENIG	Silk Screen Color	White	
	Gold Fingers	No	Internal Slots	Both Plated and Non Plated	
	Outer Layer Finish Copper	1 Oz			
	Inner Copper	1 oz Inners			

	<table border="1"> <tr> <td>Number of Holes Per Board</td> <td>880</td> <td>Counter Sink</td> <td>No</td> </tr> <tr> <td>Minimum Hole Size</td> <td>0.008 Inches</td> <td>Counter Bore</td> <td>No</td> </tr> <tr> <td>Minimum Trace (Outer layer)</td> <td>0.005 Inches</td> <td>Edge Plating</td> <td>No</td> </tr> <tr> <td>Minimum Space (Outer layer)</td> <td>0.005 Inches</td> <td>Route and Retain</td> <td>No</td> </tr> <tr> <td>Minimum Trace (Inner layer)</td> <td>0.005 Inches</td> <td>Scoring</td> <td>No</td> </tr> <tr> <td>Minimum Space (Inner layer)</td> <td>0.005 Inches</td> <td>Controlled Impedance</td> <td>10% tolerance</td> </tr> <tr> <td>Solder Mask</td> <td>Yes</td> <td>Controlled Dielectric</td> <td>No</td> </tr> <tr> <td>Solder Mask Sides</td> <td>Top and Bottom</td> <td>ITAR?</td> <td>No</td> </tr> <tr> <td>Solder Mask Color</td> <td>Green</td> <td>Thru-Hole Via in Pad</td> <td>No</td> </tr> <tr> <td>Solder Mask Type</td> <td>LPI</td> <td>Thickness Tolerance</td> <td>Plus or Minus 10%</td> </tr> <tr> <td>Solder Mask Finish</td> <td>Standard (Semi-Gloss)</td> <td>Logo Allowed</td> <td>In copper or silk screen</td> </tr> <tr> <td></td> <td></td> <td>UL Marking Required</td> <td>Yes</td> </tr> <tr> <td></td> <td></td> <td>Rohs Marking</td> <td>Yes</td> </tr> </table>	Number of Holes Per Board	880	Counter Sink	No	Minimum Hole Size	0.008 Inches	Counter Bore	No	Minimum Trace (Outer layer)	0.005 Inches	Edge Plating	No	Minimum Space (Outer layer)	0.005 Inches	Route and Retain	No	Minimum Trace (Inner layer)	0.005 Inches	Scoring	No	Minimum Space (Inner layer)	0.005 Inches	Controlled Impedance	10% tolerance	Solder Mask	Yes	Controlled Dielectric	No	Solder Mask Sides	Top and Bottom	ITAR?	No	Solder Mask Color	Green	Thru-Hole Via in Pad	No	Solder Mask Type	LPI	Thickness Tolerance	Plus or Minus 10%	Solder Mask Finish	Standard (Semi-Gloss)	Logo Allowed	In copper or silk screen			UL Marking Required	Yes			Rohs Marking	Yes	
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	Number of PCB Sides for SMT assembly 2 sides	WCSPs BGA connectors etc (per board) 21
	Lead-free processing? Yes	
	Number of standard SMT components (per board) 345	
	Nlines - Total Number of line items to be assembled 142	

Part Information	Admin Notes for Customer (if any)
Product Name WebProduct (Components)	
Part# ZVNA4010---COMPNTS Rev B	
Turn Time --	

Product Description	See your uploaded and priced BOM (BOM339655) BOM File uploaded: ZVNA4010 Bone Growth Stimulator Rev B.xlsx Please note: This BOM file name is just for reference. The BOM info used for the order is based on this uploaded file, but with possible changes that you may have indicated online. We only consider the uploaded information (with any changes) as the final BOM for assembly.
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Order File history

File name	Upload date	Uploaded by	File Used
ZVNA4010 Bone Growth Stimulator-(fab,asm).zip (2350.448Kb)	Nov 6 2024 5:42PM	Sadlers123	
BOM File: ZVNA4010 Bone Growth Stimulator Rev B.xlsx	Nov 6 2024 8:21AM	Sadlers123	

Contact Information

Billing Contact Joel Mccown (joel.mccown@zavation.com) Zavation	Shipping Contact Chris Sadlers(csadlers@sunriselabs.com) Sunrise Labs	Designer Contact Chris Sadlers(csadlers@sunriselabs.com) Sunrise Labs
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3670 Flowood Drive Flowood, Mississippi 39232 United States Phone: 6019191119	25 Constitution Drive Bedford, New Hampshire 03110 United States Phone: 772-538-4880	25 Constitution Drive Bedford, New Hampshire 03110 United States Phone: 772-538-4880
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Shipping Information

Internet Order Line Item	Line Item Type	Ship Method	Shipping Tracking Info	Packages Shipped Details
1457600-iRW-1	PCB Fabrication	Ship PCBs to Sierra Assembly		1 Package
1457600-iRW-2	Assembly Labor	FedEx Standard Over Night	429124386210	2 Packages
1457600-iRW-3	Components	Components to ship on Assembled Boards		1 Package
Promo Code (if any)				
Notes for Customer				
Shipping Notes				

Product Related Terms & Conditions: www.protoexpress.com/terms-and-conditions/

End of Sales Order Confirmation for order **1457600-iRW** whose current status is Shipped