

The easiest PCB company to do business with.

# RECEIPT

Order #:

X20180382

Terms: Ship Date: Credit Card 12/9/2010

Shipping Method:

UPS Ground

Bill To:

Ship To:

Jamie Meehan

JHU LCSR

112 CSEB

3400 N. Charles Street

Baltimore, MD 21218 USA

112 CSEB Baltimore, MD 21218 USA

 Description
 Price
 Qty
 Line Total

 FishAmplifier Rev. 1, 0.2560 in x 1.8900 in, 2 layers - 2 days build time
 \$17.15625
 32
 \$549.00

 Sub Total
 \$549.00

 Shipping
 \$0.00

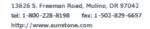
 Total
 \$549.00



Paid by: Mastercard ending in 0252 Thank you for your business!

Sunstone Circuits LLC., 13626 S. Freeman Rd, Mulino OR 97042-9639 Phone: (503)829-9108 Fax: (503)829-6657 www.sunstone.com support@sunstone.com







Quote XQ0180363

Price valid through 1/5/2011

Created By

alican@jhu.edu

Quantity

32 boards

**Build Time** 

Date

2 days

12/6/2010 9:09:00 AM

Board Total

\$549.00

Services Total

\$0.00

2 days

Tin Lead

2 Side - Green

1 Side (Top) - White

Total

\$549.00

**Board Specifications** 

Quantity

32

Part Number

FishAmplifier

Revision Layers

Board Size Material

0.3350 X 1.9800 inches

FR4

**Build Time** 

Solder Mask

Silkscreen

Plate Finish

Routing Silkscreen Clipping Individual Yes

Services

Electrical Test

Assembly

Expedite

No No

No

Gerber File Conversion

Design Review

No No

Files and Layer Mapping

File Uploaded

Layers Mapped

Create Outline Option

Layer 1 Layer 2

PCBGerber.zip

Use Default Outline

Amplifier.Gtl Amplifier.Gbl

Top Silkscreen Top Solder Mask

Bottom Solder Mask

Drill File Additional Drill

Aperture

Outline Tool Size Report Aper.Lst

Amplifier.Gto Amplifier.Gts

Do not need Cam.Drl Amplifier.Drr

Amplifier.Gm1 Cam.Rpt

Pricing Matrix (Current prices by quantity and leadtime for this board)

Quantity	2 days	3 days	4 days
2	\$121.00		
4	\$242.00		
6	\$358.00		
8	\$368.00		
10	\$375.00		
15	\$413.00		
20	\$448.00		
25	\$502.00		
30	\$542.00		
32	\$549.00		
50	\$614.00		
75		\$761.00	
100			\$888.00



## Jamie Meehan

From:

turkishkid4@gmail.com on behalf of Alican Demir [alican@jhu.edu]

Sent:

Monday, December 06, 2010 12:37 PM

To:

Jamie Meehan

Subject:

Sunstone Circuits PCB order

Attachments:

Sunstone\_Board\_Quote\_XQ0180363.pdf

Dear Jamie,

We would like to order the PCB designs outlined in the attached quota from "Sunstone circuits".

Can we split the cost into two grants?

1 - ONR

2 - NSF Multi grant: 90034349.

Alican Demir Research Specialist LIMBS Lab Laboratory for Computational Sensing and Robotics Johns Hopkins University



#### Quote XQ0180363

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Date

12/6/2010 9:09:00 AM

Board Total

\$549.00

Services Total

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2 days

Tin Lead

2 Side - Green

1 Side (Top) - White

Total

\$549.00

### **Board Specifications**

Quantity Part Number

Revision

32

FishAmplifier

2

Layers

Board Size

Material

1

0.3350 X 1.9800 inches

FR4

**Build Time** 

Solder Mask

Silkscreen

Plate Finish

Routing

Silkscreen Clipping

Individual Yes

#### Services

Electrical Test

No

No

Gerber File Conversion Design Review

No No

Assembly Expedite

No

# Files and Layer Mapping

File Uploaded

Layers Mapped

Create Outline Option

Layer 1 Layer 2 PCBGerber.zip

Yes

Amplifier.Gtl

Use Default Outline

Amplifier.Gbl

Aperture

Top Silkscreen

Top Solder Mask

Bottom Solder Mask Drill File

Additional Drill

Outline

Tool Size Report

Aper.Lst

Amplifier.Gto Amplifier.Gts

Do not need Cam.Drl

Amplifier.Drr Amplifier.Gm1

Cam.Rpt

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