PCB UNIVERSE

Order Confirmation

Order Date	Your PO Number
9/25/2014	CC

PCB Universe Order Number	
MG140923-1606	

Payment Method	Payment Status
Credit Card	Paid - Thank You!

Please Remit Payment By	
N/A	

PCB Universe

11818 SE Mill Plain Blvd.

Suite 208

Vancouver, WA 98684 USA

Your Account Rep

Mitch Gross

mitch@pcbuniverse.com

720-372-7106 NEW NUMBER as of 7/9/2014 ! ! : Direct

503-296-2925 : Fax

Customer Billing Address

Montana State University
Attn: Kyler Callahan
610 Cobleigh Hall
Bozeman   MT   59717
USA

Customer Ship To Address

Montana State University
Attn: Kyler Callahan
610 Cobleigh Hall
Bozeman   MT   59717
USA

Ship Date *	Shipper Service Level		FOB
10/9/2014	UPS Ground		Vancouver, WA
Est Dock Date *	*Ship date assumes no delays resulting from incomplete or unclear data. Est Dock Date also assumes no delays in transit.*		
10/13/2014			

Item	Description	Lead Time in Days	Qty	Unit Price	Extended
Printed Circuit Boards	DevBoard_PowerMonitor rev -	10	10	$172.82	$1,728.16
Tooling	Tooling (Setup)		1	FREE	FREE
Electrical Test	Electrical Test For Opens and Shorts		1	FREE	FREE
Shipping	Shipping cost assuming FOB Vancouver, WA		1	$11.47	$11.47
				TOTAL	$1,739.63

INCLUDED IN SHIPMENT
Your Packing Slip will contain the following applicable certificates.
Electrical Test Certificate
RoHS Cert
Certificate of Conformance

Thank You For Your Order !

We understand you have a choice in PCB suppliers
and we greatly appreciate you choosing PCB Universe.

Please review your ordered specifications and contact us as soon as possible if you see any errors or omissions. It may not only affect the cost but may also affect how your boards are constructed.

PCBU Order Number	MG140923-1606
Date Ordered	9/25/2014

Gerber File Name
CAM_Finalv2.zip

Part Number	DevBoard_PowerMonitor
Rev	-

Inspection Criteria	Class II
RoHS Compliant	Yes
ITAR Compliant	No

Dimension (Single Board)	3.500 x 4.750	in
Dimension (Array)	n/a x n/a	in
Pieces per Array	n/a	n/a	# of Arrays

Scoring	No
Jump Scoring	No
Tab-Routing	No
X-Outs Allowed?	n/a

Copper Layers	10
Material	FR-4 (135°C Tg)
Finished Thickness	0.062 inch
Surface Finish	Lead Free Solder
Finished Copper Weight	1 oz Outer Layer
	1 oz Inner Layer
Sides Mask	Both	Green	Color
Silkscreen	Top	White	Color
Min Trace/Space	5mil / 0.13mm
Smallest Drill	6mil / 0.15mm
# Holes Under 12 mil	397
Gold Fingers	n/a

Counter Sinks/Bores	No
Controlled Dielectric	No
Carbon Ink	No
Blind/Buried Vias	No
Via in Pad	No
Tented Vias	No
Mask Plugged Vias	No
Conductive Filled Vias	No
Controlled Impedance	No
Plated Slots	No
Plated Edges	No

UL Logo, Date Code & 94V-0 Marking	Not Required

Your board was quoted and will be constructed according to PCB Universe standard specifications unless otherwise instructed in writing either via email or within the gerber data or fab notes. A yellow highlight indicates which specs have been found that deviate from our standard assumptions. A highlight does not necessarily indicate a higher cost, it is only for your convenience that we are confirming those specifications we have found that deviate from our standard assumptions.

PCB Universe Standard Specs

- ✅ 0.062" (1.6mm) Finished Thickness
- ✅ RoHS FR4 (135°C Tg) Material
- ✅ 1oz Finished Copper all layers
- ✅ Green Solder Mask (both sides)
- ✅ White Silk Screen Legend
- ✅ Lead Solder (HASL)

- ✅ Class II
- ✅ Non-ITAR Compliant
- ✅ No UL Markings
- ✅ No Flame Rating (94V-0)
- ✅ No Date Code

If you see any specs that are incorrect please contact your sales rep immediately.