

# PCB UNIVERSE QUOTE

# Real time PCB quoting and ordering

Company : University of Hawaii  
 Contact : Khanh Le  
 Part Number : IDL\_16\_017 Rev .  
 Email : [khanhle@hawaii.edu](mailto:khanhle@hawaii.edu)  
 Phone :  
 Description :

*Incredible Pricing  
 High Quality  
 Fast Turn Times  
 Even Faster Quotes  
 Aluminum  
 Flex / Rigid Flex*

**Always Free Tooling and Free Electrical Test!**  
 We make it easy to move your legacy parts to us.  
 We will match your stencil so you can start saving money now!

*RoHS Compliant  
 UL & ISO 9001 Certified  
 Up to 42 Layers  
 Free DFM File Review  
 Prototypes to  
 Full Production*

Place your order as late as 9pm EST / 6pm PST !

Quote Number **TH170109-1745**  
 Gerber File Name **IDL\_16\_017.zip**

Date 1/9/2017 17:52

## PCB Quoted Specifications

## Lead Times in Business Days (Mon-Fri)

Layers	2	RoHS	Yes
Board Size	1.650 x 2.170 in	ITAR	No
		Class 2	Yes
Array	No	Class 3	No
		UL/Date Code/94V-0 Mark	
		Per Fab Print	
Scoring	No	Counter Sinks/Bores	No
Jump Scoring	No	Controlled Dielectric	No
Tab Rout	No	Castellated Holes	No
Material	FR-4 (150°C Tg)	Carbon Ink	No
Final Thickness	0.062in / 1.6mm	Blind/Buried Vias	No
Plating	Immersion Gold	Via in Pad	No
Outer Cu Weight	1 oz	Tented Vias	No
		Mask Plugged Vias	No
		Conductive Filled Vias	No
Sides Mask	Both	Controlled Impedance	No
Mask Color	Green	<b>Special Notes</b> There are differing notes for the total thickness. Please confirm correct thickness.	
Sides Silkscreen	Both		
Silkscreen Color	White		
Gold Fingers	No		
Min Trace/Space	6mil / 0.15mm		
Min Hole Size	12mil / 0.30mm		
# Holes Under 12 mil	0		
Plated Slots	No		
Plated Edges	No		

Unit Pricing (Cost per individual board)								
Qty		3 Day	4 Day	5 Day	8 Day	10 Day	15 Day	20 Day
20		\$27.84	\$26.29	\$22.44	\$18.64	\$17.84	--	--
30		\$18.63	\$17.58	\$15.01	\$12.47	\$11.93	--	--
40		\$14.19	\$13.35	\$11.41	\$9.50	\$9.09	--	--
50		\$11.54	\$10.82	\$9.25	\$7.71	\$7.38	--	--

Lot Pricing (Qty x Unit Price = Lot Price)								
Qty		3 Day	4 Day	5 Day	8 Day	10 Day	15 Day	20 Day
20		\$556.80	\$525.80	\$448.80	\$372.80	\$356.80	--	--
30		\$558.90	\$527.40	\$450.30	\$374.10	\$357.90	--	--
40		\$567.60	\$534.00	\$456.40	\$380.00	\$363.60	--	--
50		\$577.00	\$541.00	\$462.50	\$385.50	\$369.00	--	--

Tooling NRE: **\$150**

100% Electrical Test: **\$150**

**Free Tooling and Electrical Test !**

**Plus Free DFM (Design For Manufacturing) Review on Every Order!**

<b>PCB Universe</b>	Acct Mgr	Terry Hart
11818 SE Mill Plain Blvd.	Phone	360-256-7222
Suite 208	e-Fax	503-296-2925
Vancouver, WA 98684 USA	email	<a href="mailto:terryh@pcbuniverse.com">terryh@pcbuniverse.com</a>

**Note the new address!**

Quote valid for 30 days.

Daily order cut off time is 9pm EST / 6pm PST. Day zero begins once files are approved by engineering.

Costs and lead times do not include shipping. Standard UPS Domestic Rates Apply.

If certain specs were not specifically stated in your files, we assumed our industry standard specs. If you see any specs that are inaccurate, let us know immediately. It may not only affect the cost but also how your boards are constructed !