



MASSIVE PCB TECHNOLOGIES CO.,LIMITED 云创电路科技有限公司

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Quotation

Date: 24/Aug/20

Quotation No.:	M202008188
From:	Karen
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E-Mail:	info@massive-pcb.com

Customer:	University of Michigan
To:	Matt Gaidica, Ph.D.
Telephone:	N/A
E-Mail:	N/A

Price Terms (You can pay through [Paypal](#) for all prototype orders with value lower than \$1000.)

Currency:USD

Payment Terms: As agreed

Shipment Terms: DDU

Qty(pcs)	Unit Price	Tooling Cost	Expedited cost	Shipping Cost	Lead Time(WDS)	Total
25	2.22	250		45	10wds	350.5

Production Description

		Quotation Type: New
Customer P/N(客户型号):ESLOv1	Test points(测试点):167 X 25 /SET	
Board type(板类型): Rigid	Blind/Buried via(盲埋孔): YES	
Layer count(层数): 4L	Laser drill(镭射钻孔): NO	
Base material(板材): FR4 TG150	Fill via with resin(树脂塞孔): NO	
Finished board thk(完成板厚): 1.6 (+/-10%) mm	Pressfit hole(压接孔): NO	
Finished outer copper(外层完成铜厚): 1 OZ	Half-plated hole(半孔): NO	
Finished inner copper(内层完成铜厚): H OZ	Backdrill(背钻): NO	
Unit size(单板尺寸): 32.00 X 14.00 mm	Countersink(沉头孔):NO	
Panel size(拼板尺寸):170.00 X 80.00 mm(5 X 5 UP)	Plated edge(板边包金): NO	
X-out(打叉板):YES	Gold finger(金手指): U''min	
Hole wall copper thk(孔铜):20 um	Selective Hard gold plating(选择性镀硬金): U''min	
Surface finish(表面处理): ENIG(Au area CS: 21 % , SS: 14 %) Au thick: 2 uin	Peelable soldermask(蓝胶): NO	
Solder mask(阻焊颜色):Green	Impedance control(阻抗): NO	
Silkscreen(字符颜色): White	Depth control routing(控深铣): NO	
Min trace width/gap(最小线宽/线距): 5.91mil/3.94mil	IPC Class(质量管控标准): 2	
Min hole/density(最小孔/孔密度): 10 mil , 62370 sqm		

Special Remarks

Please be mentioned that Lead time is only production time excluding EQ(engineering query) time,and WDS means Working Days.
[DRL1-2,3-4](#)

Additional Terms

- 1.WDS means working days from Monday to Friday excluding Chinese and International holidays.
- 2,Tooling cost is one-time charge,and we wont charge it on the repeat orders as long as the technologies are not changed.
- 3.Lead time is only production time excluding EQ(engineering query).The lead time is valid based on we having material in stock.
- 4.For any non-conformances between the data and our quotation,pls kindly note us and we'll requote.
- 5.Text fixture cost is one-time charge.The testing fixture belongs to Massive PCB,we won't return NRE cost if customer transfer orders to others suppliers.
- 6.Validity:30 days.