

We thank you for your price request and are pleased to present you the following quotation today

20 January 2020

#### Administrative details

##### Your references

Offer nr.	B2211844	Purchase reference	timing board fmc c
Service	STANDARD pool	Project reference	
Board name	pc053c	Article number	

##### Invoicing & delivery details

###### Invoice to:

University of Bristol  
Accounts payable  
Orchard Lane FINANCE OFFICE  
Augustine's Courtyard  
BS1 5DS Bristol  
United Kingdom  
+44 (0)117 428 2614  
purchasing-invoices@bristol.ac.uk

###### Delivered to:

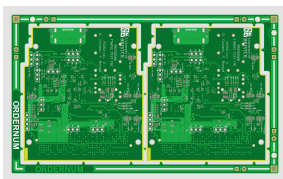
School of Physics Stores  
Joe Smith  
Tyndall Avenue H.H Wills Physics  
Laboratory  
University of Bristol  
BS8 1TL Bristol  
United Kingdom  
+44 (7422) 576859  
j.smith@bristol.ac.uk

## PCB

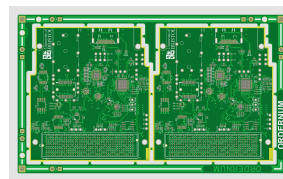
#### PCB Visualizer

##### PCB images

Top view :



Bottom view:



##### Buildup & Mechanical plan

Board buildup :

	Top copper - CopperFoil - 0.018mm
	Prepreg - PR2116 - 0.12mm
	Prepreg - PR2116 - 0.12mm
	Inner copper 1 - 0.035mm
	Core - FR4-Improved - 0.36mm
	Inner copper 2 - 0.035mm
	Prepreg - PR2116 - 0.12mm
	Prepreg - PR2116 - 0.12mm
	Inner copper 3 - 0.035mm
	Core - FR4-Improved - 0.36mm
	Inner copper 4 - 0.035mm
	Prepreg - PR2116 - 0.12mm
	Prepreg - PR2116 - 0.12mm
	Bottom copper - CopperFoil - 0.018mm
	Plated drill
	Non Plated Through Hole (NPTH)
	Rout

#### Technology & options

##### Board definition

Number of layers	6	Delivery format	Eurocircuits, according to standard panel rules
PCB width (X)	76.5 mm	PCB height (Y)	69.0 mm
eC-registration compatible	Yes		

##### Panel definition

Repeat in X	1	Repeat in Y	2
Panel width	90.5 mm	Panel height	154 mm
PCBs per panel	2	Panel border	5 mm
PCB separation method	Breakrouting	PCB spacing	2 mm
Panel without cross outs	No	Panel outline	Routed

##### Board definition

Top soldermask	Green	Bottom soldermask	Green
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## QUOTATION

Top legend  
Surface finish

White  
Any lead  
free finish  
Yes

Bottom legend

White

Bare board testing

### **Board technology**

Pattern class  
Outer layer trackwidth (OL-TW)  
Outer layer isolation distance (OL-TT-TP-PP)  
Outer layer annular ring (OAR)  
Inner layer trackwidth (IL-TW)  
Inner layer isolation distance (IL-TT-TP-PP)  
Inner layer annular ring (IAR)

7  
0.125 mm  
0.125 mm  
0.125 mm  
0.200 mm  
0.125 mm  
0.125 mm

Drill class  
Hole density  
Holes <= may be reduced

Drill C  
<1500/dm2  
0.45 mm

**Material definition**

Board thickness	1.55 mm	Board buildup	Standard buildup
Base material	FR4IMP	Material Tg	145-150°C
Outer layer copper foil	18µm(End-Cu +/-35µm)	Inner layer copper foil	35µm
Extra PTH runs	0	Extra press cycles	0
Reversed buildup	No	Inner layer core thickness	Standard

**Advanced options**

Milling	No	Peelable mask	No
Edge connector gold surface mm²	0	Edge connector bevelling	No
Copper up to board edge	No	Plated holes on the board edge	No
Carbon contacts	No	Viafill	No
Top heatsink paste	No	Bottom heatsink paste	No
Specific tolerances	No	Specific marking	No
Press-fit holes	Yes	Depth routing	No
Round-edge plating	No	Chamfered mechanical holes	No
Cross section report required	No		

**Pricing****Printed circuits**

Basket nr.	Delivery term	Quantity	Unit price	Transport price	Transport mode	Total price	VAT	Gross
B2211844	5 Working days	5	288.54 EUR	1.98 EUR	Express	1442.70 EUR	0.00 %	1444.68 EUR

## ASSEMBLY

**Technology & options**

Special assembly requirements No

Type	Supplied by Assembler		Supplied by Customer	
	Unique parts	Component placed	Unique parts	Component placed
Thru-hole	3	10	0	0
Mechanical	0	0	0	0
SMD	37 (3 NI)	179	0	0
SMD fine pitch	1	1	0	0
Mixed	0	0	0	0
BGA	0	0	0	0
BGA FinePitch	0	0	0	0
QFN	2 (1 NI)	3	0	0
QFN FinePitch	2	2	0	0
LGA	0	0	0	0
Unknown	0	0	0	0
Edge-Mount	0	0	0	0
<b>Total</b>	<b>45</b>	<b>195</b>	<b>0</b>	<b>0</b>

**No info (NI)** : Our online tools were unable to get price and/or availability information from our suppliers. Our engineers are informed and try to update the information manually.

**Pricing**

Basket nr.	Delivery term*	Quantity	Assembly price**	Components price**	VAT	Gross
B2211844	7 Working days	5	600.00 EUR	1641.70 EUR Incomplete	0.00 %	2241.70 EUR Incomplete

## TOTAL PRICE

Delivery term	Quantity	PCB	Assembly**	Components**	Stencil Top	Stencil Bottom	Transport	VAT	Gross
5 WD (PCB) + 7 WD (PCBA)	5	1442.70 EUR	600.00 EUR	1641.70 EUR Incomplete	-	-	1.98 EUR Incomplete	-	3686.38 EUR Incomplete

\* The "delivery term" for assembly can only be fulfilled provided that all components are received by our production unit upon completion of the bare PCB.

\*\* Incomplete : Component price and assembly price is estimated based on the BOM details available at the time of generation of the offer.

## Payment terms &amp; conditions

This quotation is valid for 3 days (as of the date of the on this offer) and is covered by our Terms of Sales which, you accepted when you Signed up to our website.

The prices quoted are based upon the information and /or data provided by you, if this changes then the final price and delivery terms may also change.

The acceptance of any order will depend upon:

- Verification of any new data supplied with the order, with reference to the chosen service specification
- Your credit status with Eurocircuits
- Compliance with our [Terms of Sales](#)

Deliver terms start next business day after the receipt of a firm order and all the required data and documentation.

Payment terms are 5 days date of invoice.