

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

13 January 2020

#### Administrative details

##### Your references

Offer nr.	B2205727	Purchase reference	-
Service	STANDARD pool	Project reference	-
Board name	N-DAP-V4	Article number	-

##### Invoicing & delivery details

###### Invoice to:

Cork Institute of Technology  
ACCOUNTS PAYABLE  
Rossa Avenue Bishopstown  
The Nimbus Centre  
T12 Y275 Cork  
Ireland  
+353 (21) 4326584  
accountspayable@cit.ie

###### Delivered to:

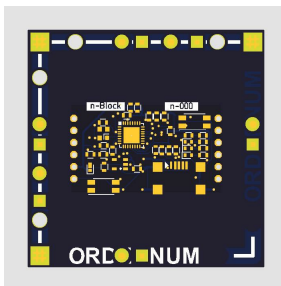
Cork Institute of Technology,  
NIMBUS CENTRE  
Nikolaos Chalikias  
Rossa Avenue Bishopstown  
co Cork  
Ireland  
+353 (21) 4335479  
nikolaos.chalikias@cit.ie

## PCB

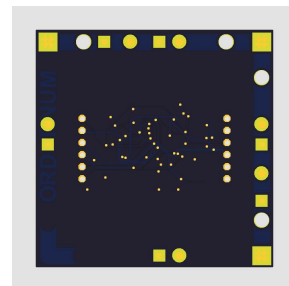
#### PCB Visualizer

##### PCB images

Top view :



Bottom view:



##### Buildup & Mechanical plan

Board buildup :

Top copper - CopperFoil - 0.018mm
Prepreg - PR7628 - 0.18mm
Prepreg - PR7628 - 0.18mm
Inner copper 1 - 0.035mm
Core - FR4-Improved - 0.71mm
Inner copper 2 - 0.035mm
Prepreg - PR7628 - 0.18mm
Prepreg - PR7628 - 0.18mm
Bottom copper - CopperFoil - 0.018mm
Plated drill
Non Plated Through Hole (NPTH)

#### Technology & options

##### Board definition

Number of layers	4	Delivery format	No
PCB width (X)	32.80 mm	PCB height (Y)	20.30 mm
eC-registration compatible	Yes		

##### Board definition

Top soldermask	Blue	Bottom soldermask	Blue
Top legend	White	Bottom legend	White
Surface finish	Che Ni/Au selective		

Bare board testing

Yes

**Board technology**

Pattern class	8	Drill class	Drill D
Outer layer trackwidth (OL-TW)	0.150 mm	Hole density	<1000/dm2
Outer layer isolation distance (OL-TT-TP-PP)	0.150 mm	Holes <= may be reduced	0.45 mm
Outer layer annular ring (OAR)	0.100 mm		
Inner layer trackwidth (IL-TW)	0.150 mm		
Inner layer isolation distance (IL-TT-TP-PP)	0.150 mm		
Inner layer annular ring (IAR)	0.125 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	No	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
B2205727	5 Working days	48	5.28 EUR	3.68 EUR	Express	257.12 EUR	0.0 %	257.12 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	0	0	0	0
Mechanical	0	0	0	0
SMD	19	30	0	0
SMD fine pitch	0	0	0	0
Mixed	0	0	0	0
BGA	0	0	0	0
BGA FinePitch	0	0	0	0
QFN	0	0	0	0
QFN FinePitch	1	1	0	0
LGA	0	0	0	0
Unknown	1 (1 NI)	2	0	0
Edge-Mount	0	0	0	0
<b>Total</b>	<b>21</b>	<b>33</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
B2205727	5 Working days	48	458.40 EUR Incomplete	498.72 EUR Incomplete	0.0 %	957.12 EUR Incomplete

## TOTAL PRICE

Delivery term	Quantity	PCB	Assembly**	Components**	Stencil Top	Stencil Bottom	Transport	VAT	Gross
5 WD (PCB) + 5 WD (PCBA)	48	253.44 EUR	458.40 EUR Incomplete	498.72 EUR Incomplete	-	-	3.68 EUR Incomplete	-	1214.24 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.