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OPTION SHEET FOR NANODOCK DMC-3

Customer Product ID: _____ (optional, enter your reference here)

Order number: _____

Example Use:

Option A	✔	= Yes
Option B		= No

1   Configuration Table

Stack Connector Options See chapter 2	A	B	C	D	E
Connector					

X and P connectors See chapter 3	
Do not install X3 and X4	

GPS Module See chapter 4	
Prepare for installation of GPS module	

GPS Pulse Per Second See chapter 4	X1 / P1	X2 / P2	X3 / P3	X4 / P4
GPS PPS				

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Stack Connector Supply Channels
See chapter 5

	VCC_X1	VCC_X2	VCC_X3	VCC_X4	VCC_GPS	VCC_LNA	VAUX	VCC_PAY
H1-47								
H1-48								
H1-49								
H1-50								
H1-51								
H1-52								
H2-25/26 (5V)								
H2-27/28 (3.3V)								
H2-45/46 (VBAT)								

AUX Supply Pins
See chapter 6

	X1–AUX1	X1–AUX2	X2–AUX1	X2–AUX2	X3–AUX1	X3–AUX2	X4–AUX1	X4–AUX2
VAUX								

I/O Options

Install CAN Termination Resistor	

Misc. options

| **Conformal coating** (extra cost)	

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2 Stack Connector

The following types of Samtec connectors are the available types for this product. If another connector is needed, please contact GomSpace to get a quote for mounting another type.

		Samtec Part Number	Height of Housing [mm]
A		ESQ-126-12-S-D	11.05
B		SSQ-126-03-G-D	8.51
C		ESQ-126-14-G-D	11.05
D		ESQ-126-24-G-D	13.59
E		SSQ-126-01-F-D	8.51

3 X and P Connectors

X3 and X4 can be chosen not to be installed. Please mark in the option if they are <u>not</u> to be mounted.

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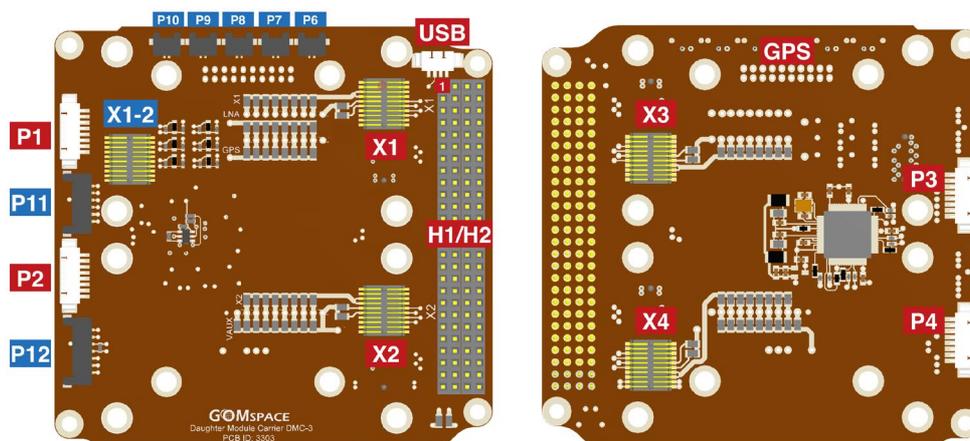
4   GPS Module

The NanoDock DMC-3 can be prepared for installation of a GPS module. In that case the GPS connector and spacers are installed. Please also choose which a power channel for the GPS module (VCC_GPS and VCC_LNA).

The GPS module is ordered separately.

GPS Pulse Per Second is the 1 PPS signal from the GPS receiver. Do not connect if you do not have a GPS connector installed. Mark which X-slot and/or P connector it is to be connected to. View the diagram below.

5   Stack Connector Supply Channel Matrix

Choose how connectors are connected to the stack.
- For each X-connector, choose its supply connection.
- If GPS installed, choose its supply connection (VCC_GPS and VCC_LNA).
- Choose the supply connection for the Payload-Connector (P12).

VAUX in the table is a mnemonic for generic connection on the X-connectors as shown on the diagram below.
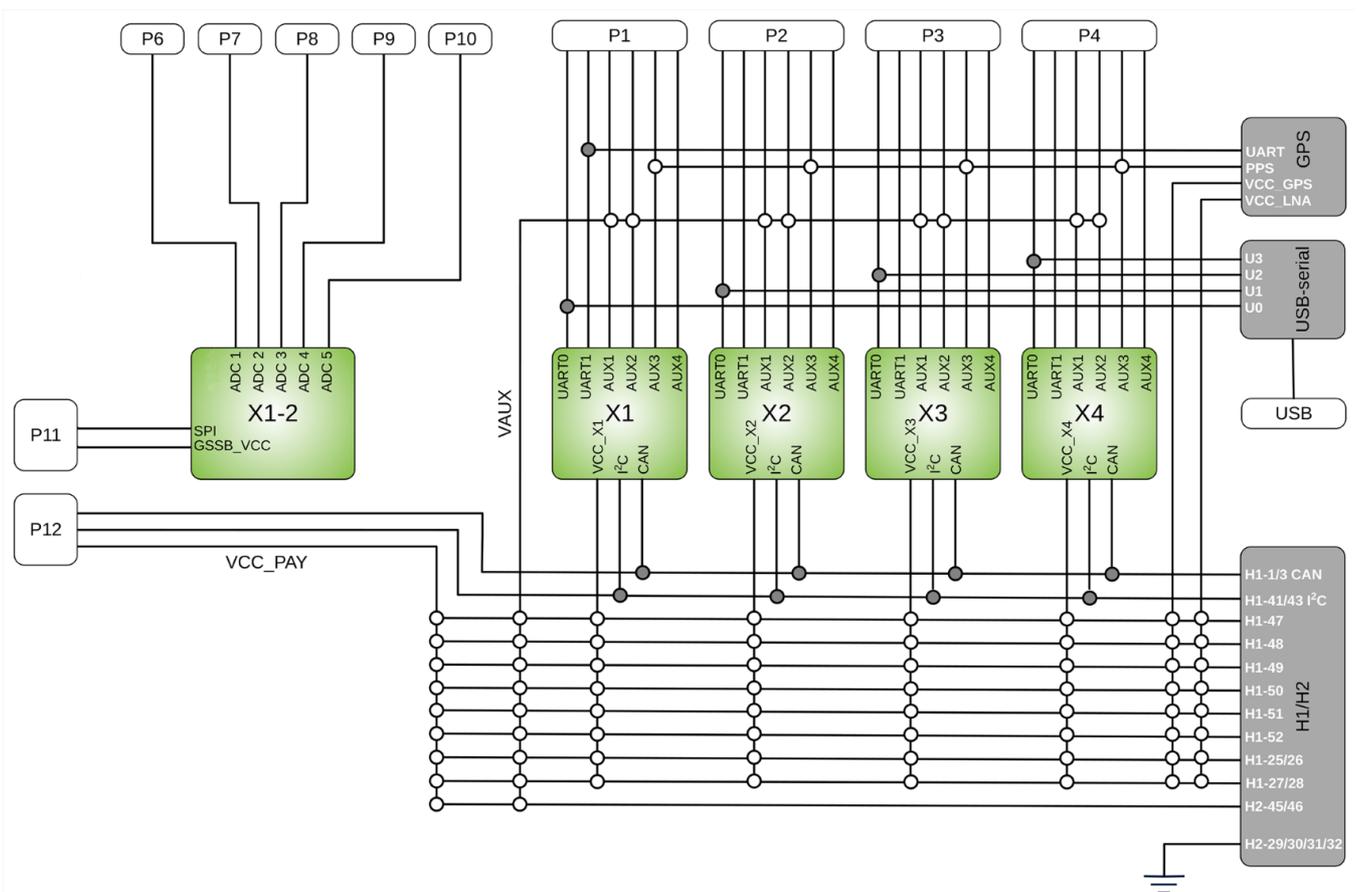
White dots = configurable connections
Gray dots = permanent connections

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6   AUX Supply Pins

The AUX pins can for example be configured to go from H2-45/46 VBAT to a NanoMind X1 for use routing to the GSSB bus for antenna release. In this case choose X1-AUX1 and X1-AUX2 in the table.

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