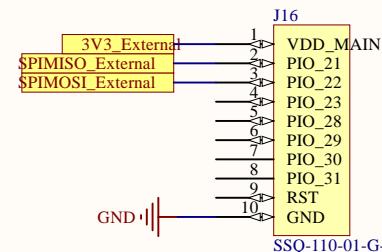
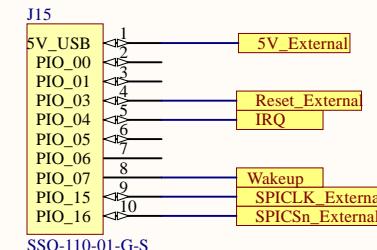


External board connectors

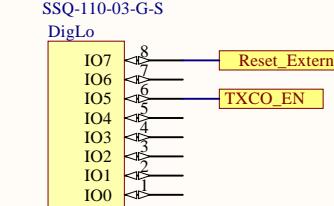
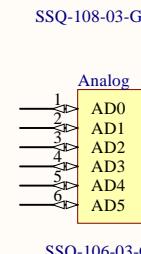
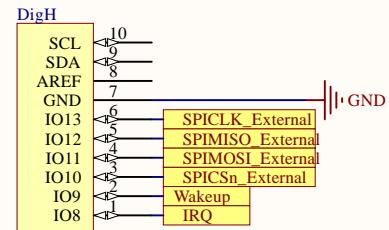
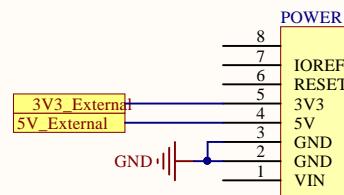
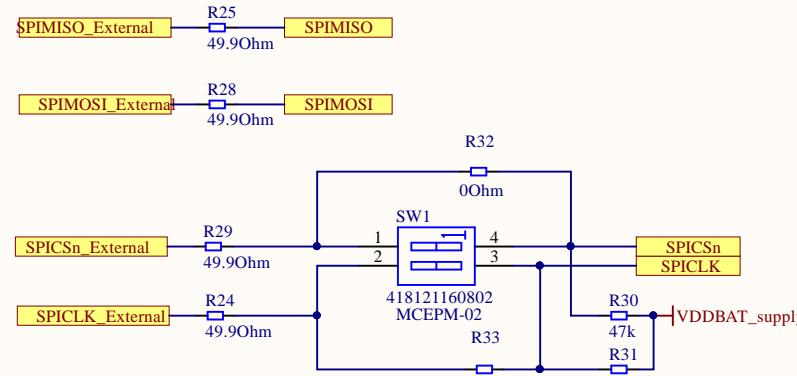


Hardware Items

| | | | |
|------|-------------------------|--------|----------|
| ACC1 | Jumper, 2 Ways, 2.54 mm | HARWIN | M7581-05 |
| ACC2 | Jumper, 2 Ways, 2.54 mm | HARWIN | M7581-05 |
| ACC3 | Jumper, 2 Ways, 2.54 mm | HARWIN | M7581-05 |

SPIMOSI side of pads must be inline in trace
Target 0 length stubs

Series termination resistors
Place all near source:
MISO near DW3000
All others near Nucleo Header



Title: DW3000 Arduino Shield

Function: Digital Connectors

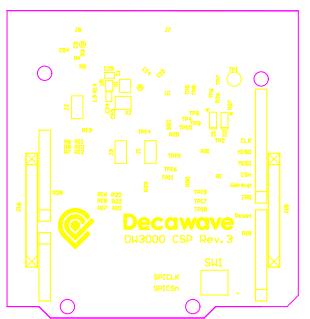
Size: A4 Number:3 Revision:3.0w

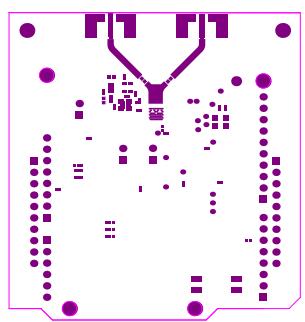
Date: 2/19/2020 Time: 1:12:28 PM Sheet 3 of 3

DecaWave Ltd.
Adelaide Chambers,
Peter Street,
Dublin 8,
Ireland.

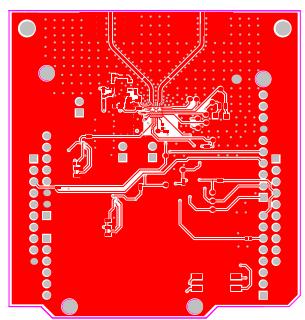


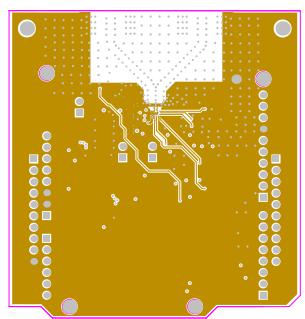
This document is Decawave's property, it may not be used, transmitted or reproduced without their approval.



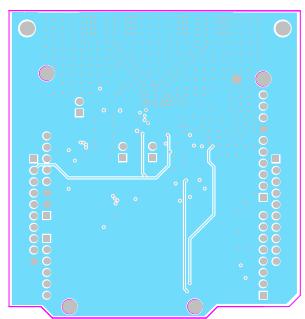


SOLDERMASK TOP

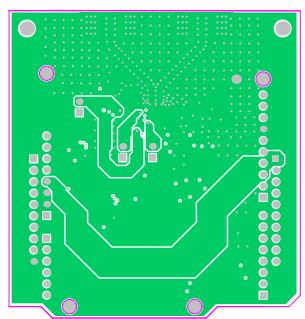




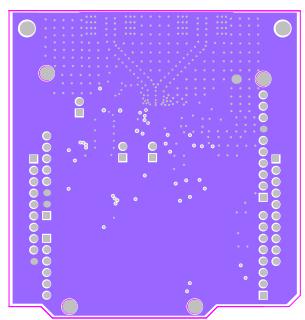
L02_GND_PLANE1



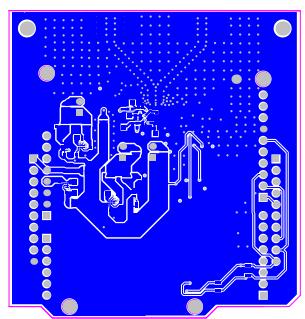
L09_INNER SIG1



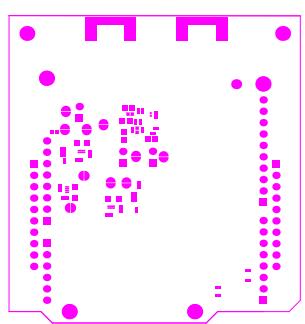
L04_POWER_PLANE



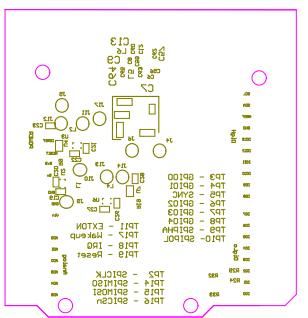
L05_GND_PLANE2

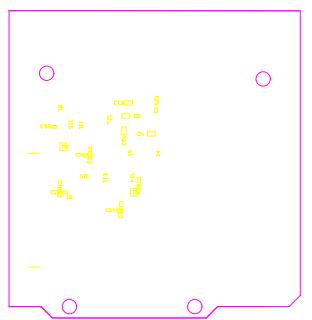


LOG_BOTTOM



SOLDERMASK BOT

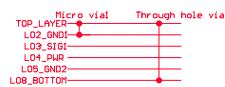




ASSEMBLY BOTT

| Symbol | Count | Hole Size | Plated | Hole Type |
|--------|-----------|---------------------|--------|-----------|
| ☒ | 1 | 63.00mil (1.600mm) | PTH | Round |
| ☒ | 2 | 137.79mil (3.500mm) | NPTH | Round |
| ▽ | 4 | 125.98mil (3.200mm) | NPTH | Round |
| □ | 5 | 12.00mil (0.305mm) | PTH | Round |
| F | 6 | 40.16mil (1.020mm) | PTH | Round |
| ❖ | 52 | 35.43mil (0.900mm) | PTH | Round |
| Symbol | Count | Hole Size | Plated | Hole Type |
| ○ | 336 | 4.00mil (0.1020mm) | PTH | Round |
| | 487 Total | | | |

Via specifications



DESIGN SPECIFICATION:
MINIMUM TRACE WIDTH IS 0.09mm
MINIMUM SPACEING 0.1mm
SURFACE FINISH (ENIG)



NOTE: PREPREG,CORE AND COPPER WEIGHT CAN FIND THE STACK-UP1 AND STACK-UP2 PDF

IMPEDANCE REQUIREMENT:

| LAYERS | 50 OHMS RF COPLANER | | |
|----------|---------------------|--------------|-----------|
| | WIDTH | COPPER SPACE | REF_LAYER |
| L01_TOP | 0.637 mm | 0.207 mm | LAYER-03 |
| L03_GND1 | | | |
| L03_SIG1 | | | |
| | | | |

