
280022-004 X4SIP02

PCBA Manufacturing Documentation

X4 Radar Module - System in Package with only X4 and related components

By Novelda AS
2018-03-19



Document description

This document describes the assembly specifications for the current PCBA.

Contents of this document

- Notes to Manufacturer
- BOM-changes
- Schematic prints
- Assembly Drawings
- PCB Dimensions
- Pad Description



Notes to Manufacturer

None



BOM-changes

Revision 4

- Change A1 to X4SIP02 PCB rev 4
- Add S1: Shield box 200284-003
- Change U100 to Xethru X4 revision 2

Revision 3

- No BOM changes

Revision 2

- Change A1 to X4SIP02 PCB rev 2

Revision 1

- First revision



Release Notes

Revision 4 - 2017-06-02

- Add shield box
- Update BOM to use X4 revision 2

Revision 3 - 2016-09-26

- Update schematic symbol for X4.
- Change net names to match new names in X4 symbol.

Revision 2 - 2016-06-20

Changes to Gerber files:

- Footprint for X4
- Issues with some vias

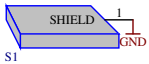
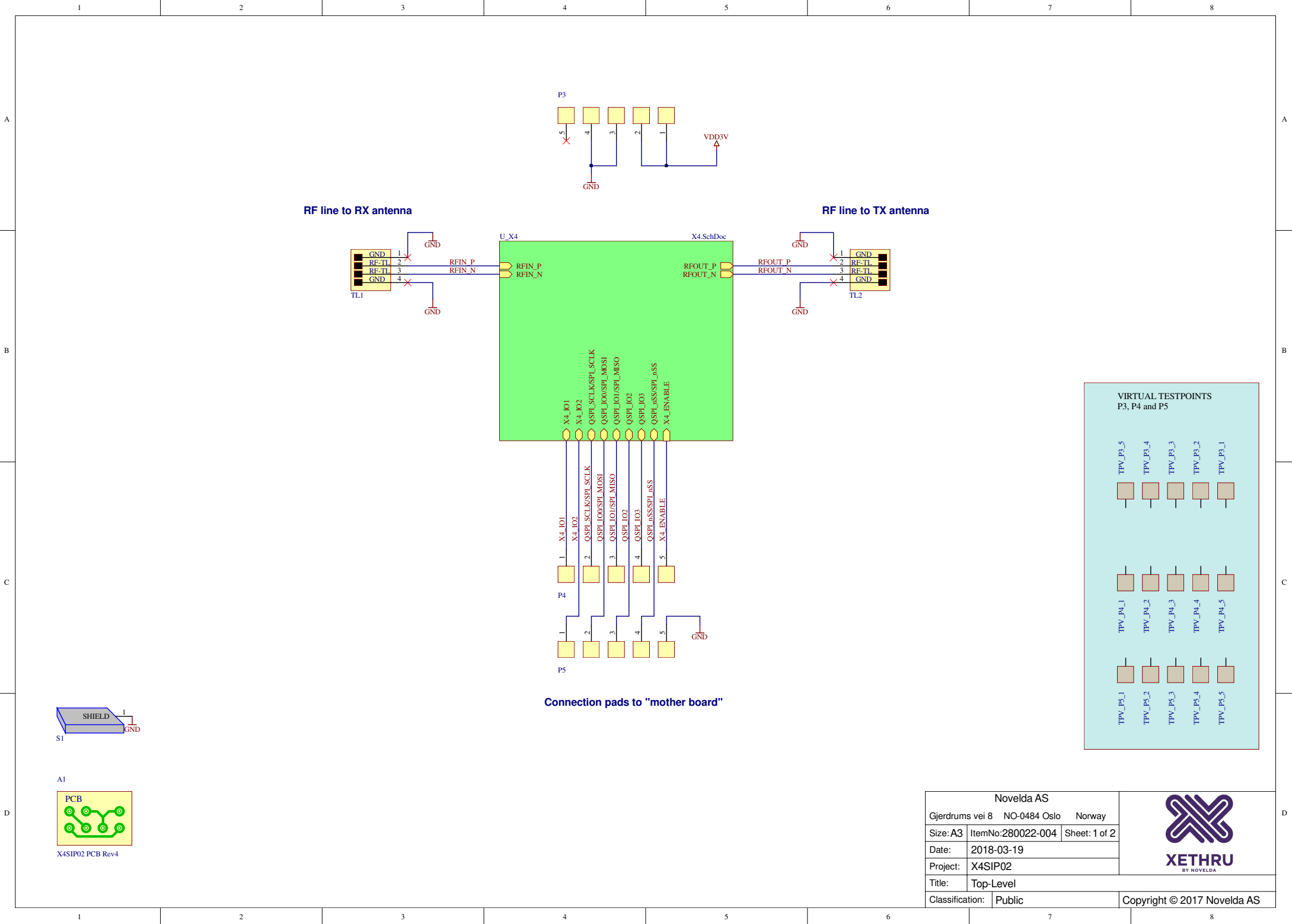
Revision 1 - 2016-05-27

Prototype.

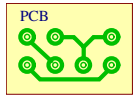


Test points - general information


This PCB have implemented no dedicated test points, but the pads on the bottom layer can be used as test points for MDA (Manufacturing Defect Analyser).

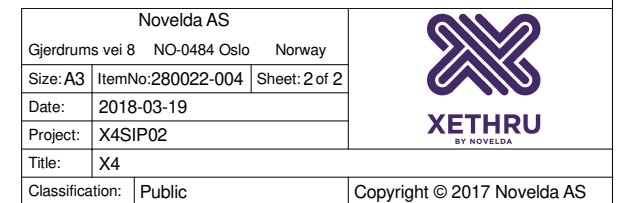
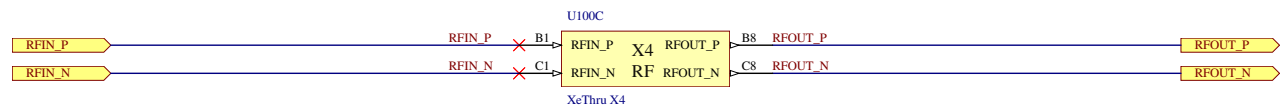
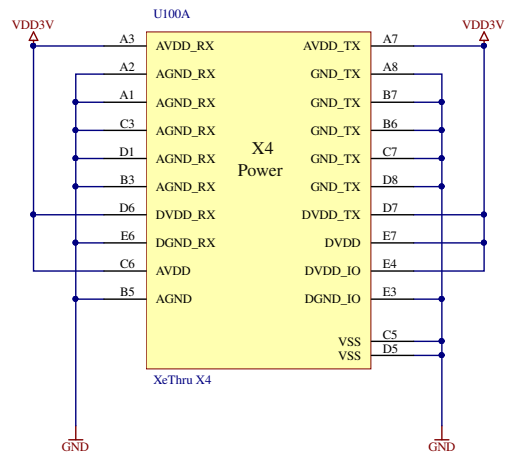


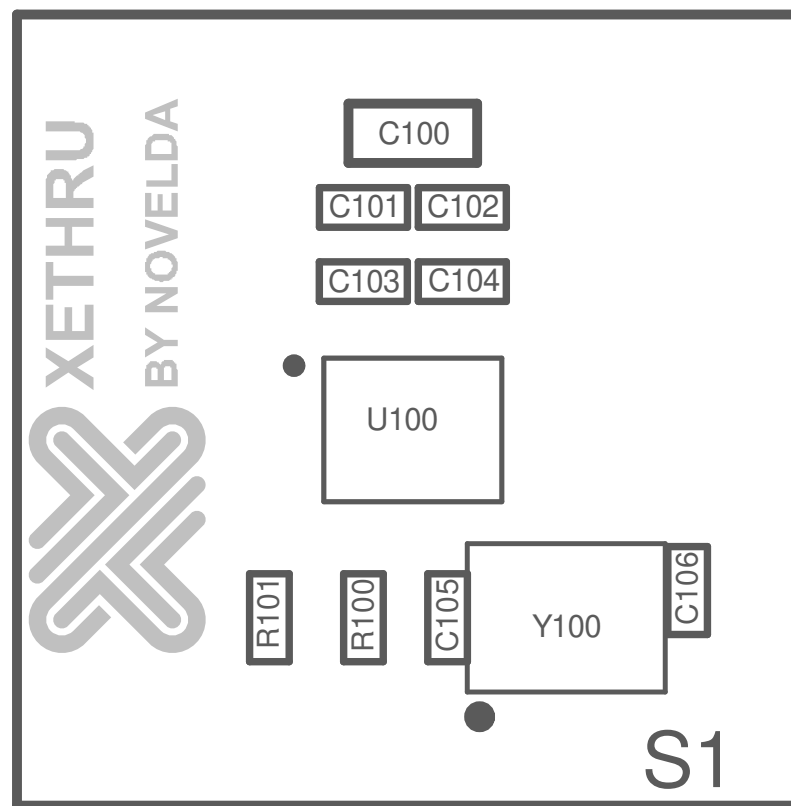
A1



X4SIP02 PCB Rev4

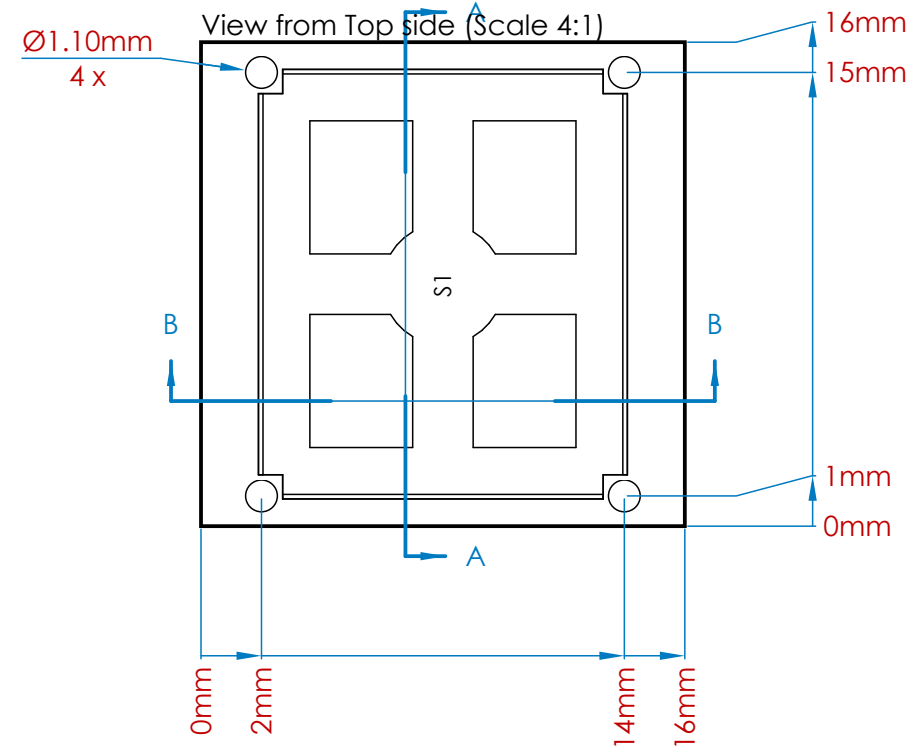
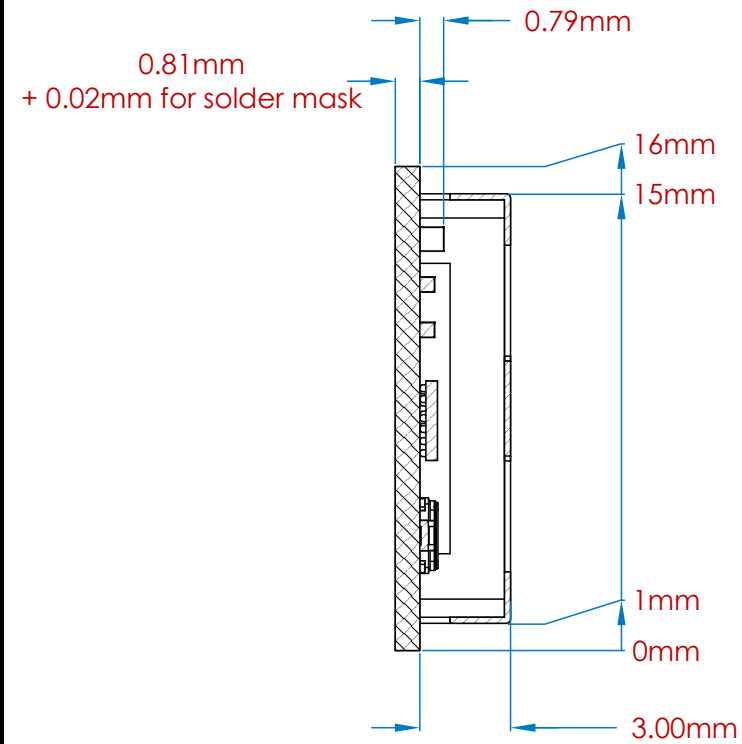
Novelda AS			 XETHRU BY NOVELDA
Gjerdrums vei 8 NO-0484 Oslo Norway			
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Date:	2018-03-19		
Project:	X4SIP02		
Title:	Top-Level		
Classification:	Public	Copyright © 2017 Novelda AS	



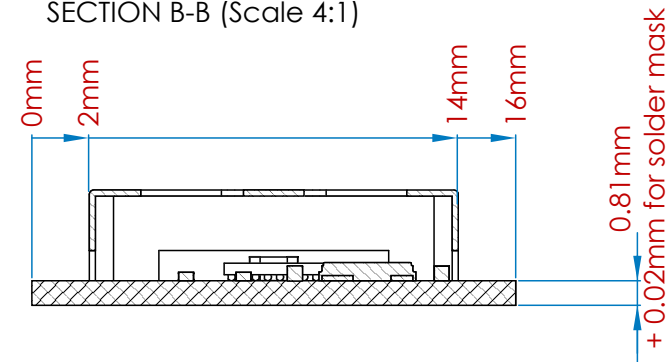



ItemNo	290047-004
Date	2018-03-19
Project	X4SIP02
Layer	Top Designator and Assembly Top Overlay
Classification	Public
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SECTION A-A (Scale 4:1)

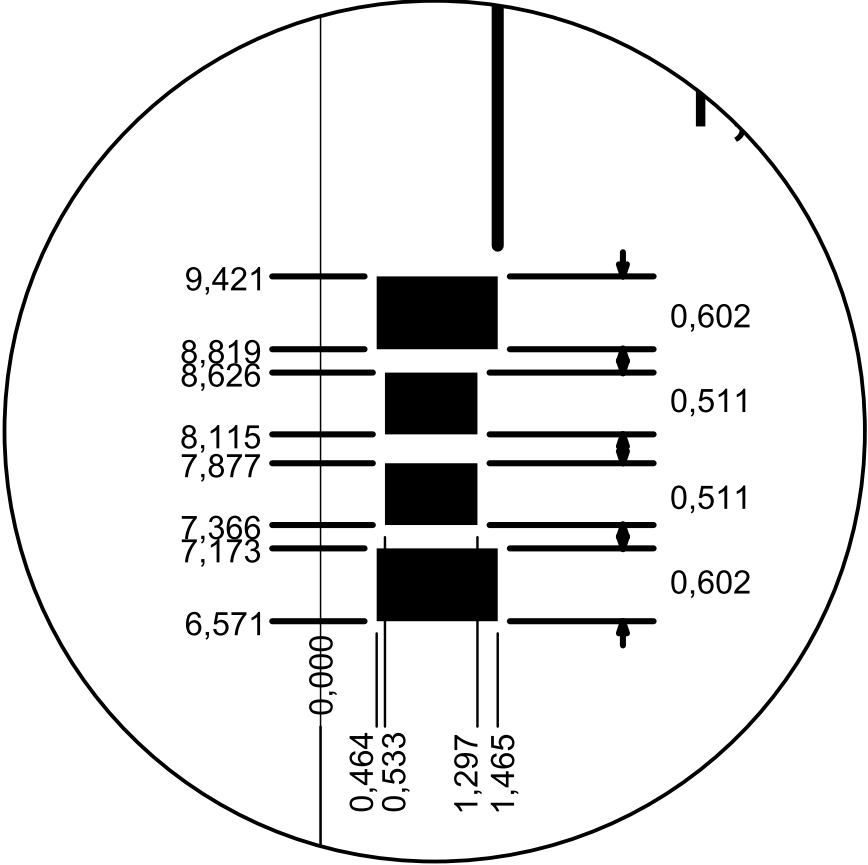


SECTION B-B (Scale 4:1)

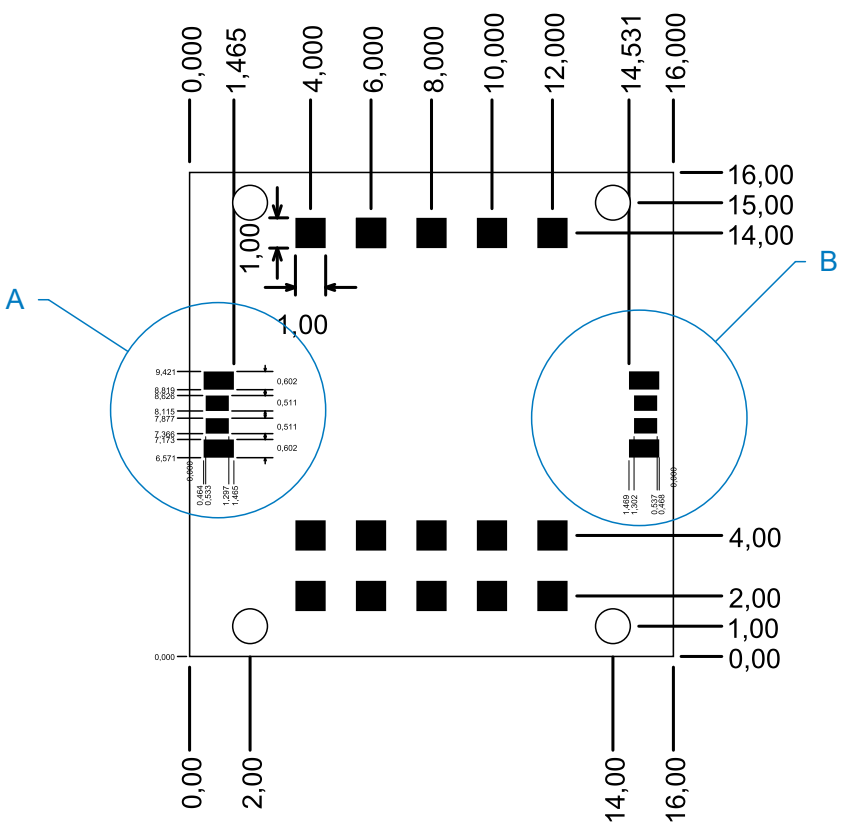


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Size: A3	Scale: 1:1	Sheet: 1 of 2	
ItemNo:	280022-004		
Date:	2018-03-19		
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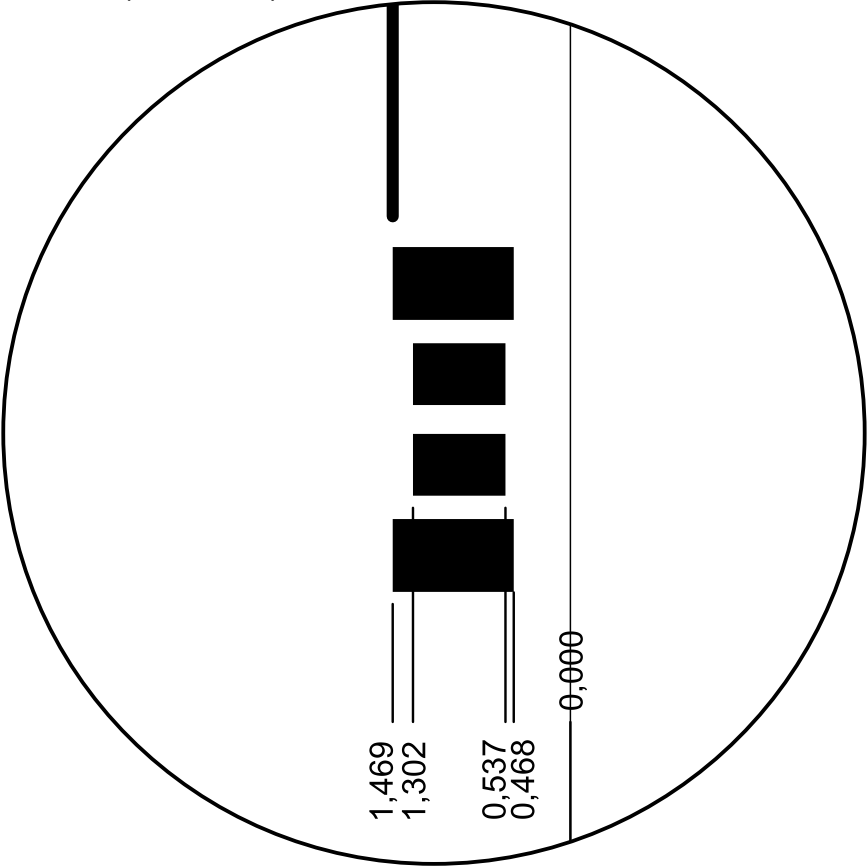
DETAIL A (Scale 16:1)




Pad layout - Top view - Scale 4:1
All dimensions in mm



DETAIL B (Scale 16:1)



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View from top side

