

# 290047-004 X4SIP02 PCB Manufacturing Documentation

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

By Novelda AS 2018-03-19



## **Document description**

This document decribes the manufacturing specifications and documentation of the current PCB project.

#### **Contents of this document**

- Notes to PCB manufacturerPCB Specification
- Stackup definition



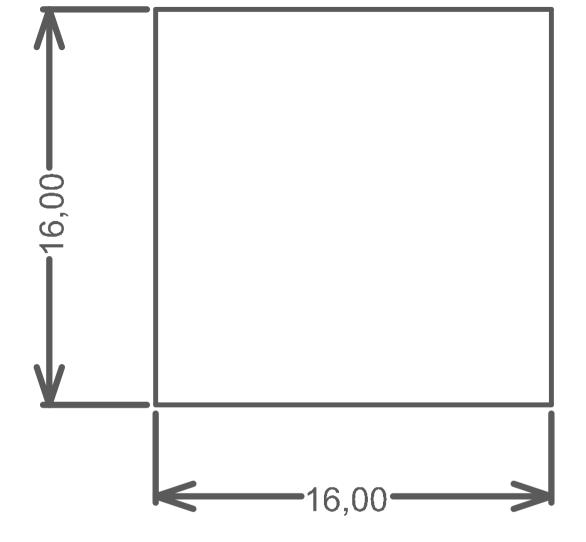
### **Notes to PCB manufacturer**

There is no room for fiducial marks on this tiny PCB. Please add fiducial marks on the panel during panelizing process.



## **PCB Specification**

Category	Property	Value	Comments
Mechanical Data	Board width mm Board length mm	16 16	
Material Data	Final Cu thickness external layers um Final Cu thickness internal layers um	40 17	min 33.4 min 11.4
Soldermask	Solder resist top Solder resist bottom Solder resist color	Yes Yes Blue	
Prints / masks	Silkscreen top Silkscreen bottom Silkscreen color Pb. free label	Yes No White Yes	
Finish	Hot Air Solder Level (HASL), Lead-free Electroless nickel immersion gold (ENIG)	No Yes	
Gerber / Drill format	Unit Format	mil 2:4 (0.1mil)	
Clearance	External layers um Internal layers um	100 100	
Tolerances	PCB Dimensions / outline mm	+0.2 / -0.1	
Vias	Filled Capped	No No	



ItemNo	290047-004	
Date	2018-03-19	
Project	X4SIP02	
Layer	Top Dimensions	
Classification Public		
Copyright (c) Novelda 2018		

