

## 290052-004 XTMCU02 PCB Manufacturing Documentation

Cortex M7 based MCU card for use with X4 radar modules

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## **Document description**

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

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- PCB SpecificationStackup definition
- Drill drawing



## **PCB Specification**

Category	Property	Value	Comments
Mechanical Data	No. of Layers Board width mm Board length mm	6 33.2 27.0	
Material Data	Final Cu thickness external layers um Final Cu thickness internal layers um	40 40	min 33.4 min 33.4
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 Yes 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	



