

PCB Overview

2025

LAST UPDATED: 01-05-2025

DEMO

Index

- Sample Boards.....Page 3
- Filter & Interface Boards.....Page 7

Sample Boards

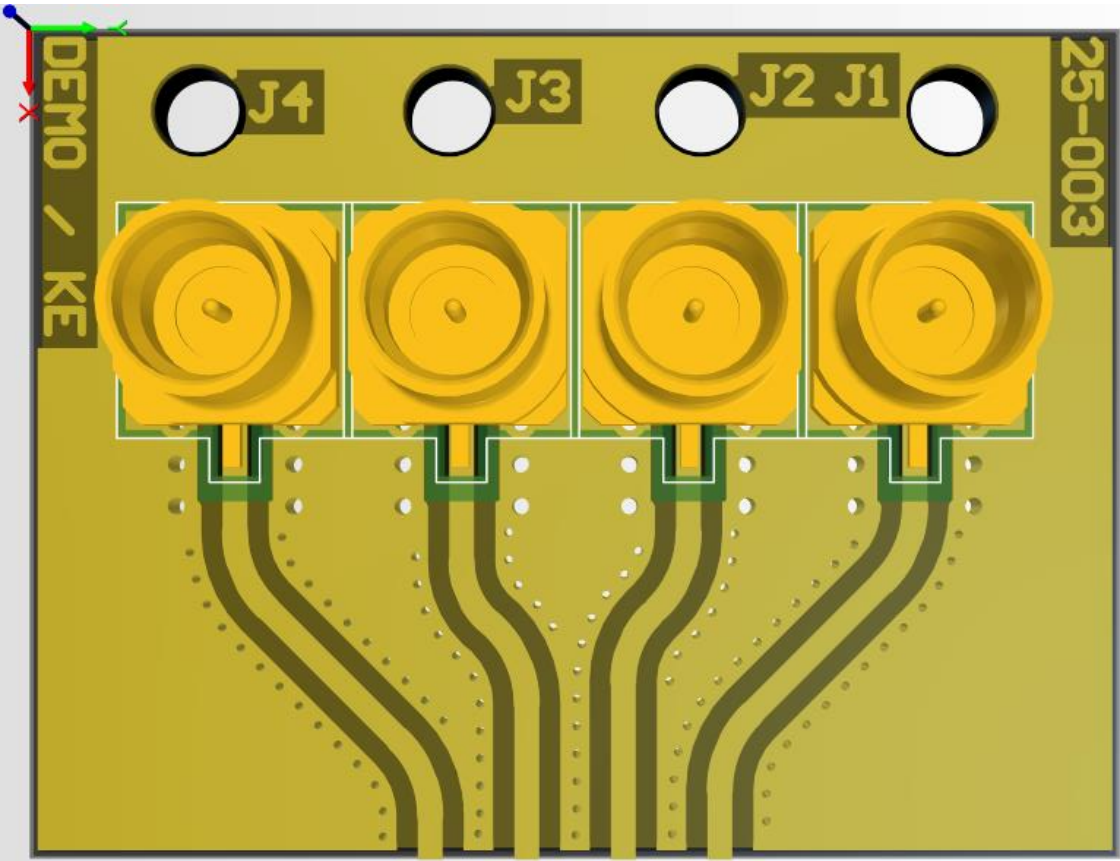
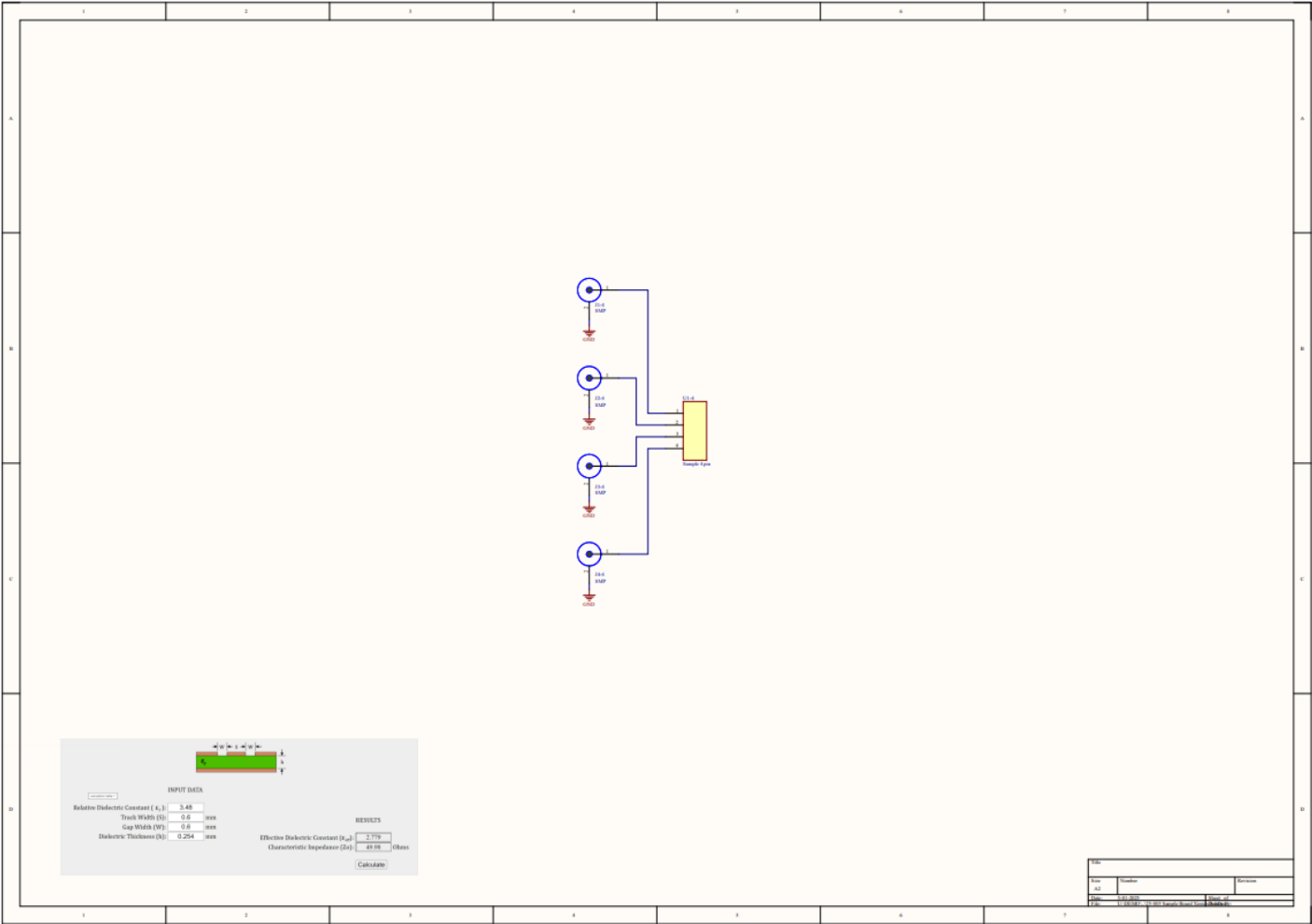
- **25-003 Sample Board Xinxin**
- **25-004 QT Sample Board Praveen V**
- **25-006 Sample Boards Matteo**

25-003

Sample Board Xinxin

Size (L x W x t) (mm)	19.75 x 26 x 1
Dielectric Material	FR4 / RO4350B
Z ₀ (Design)	50Ω
Layers	4
Copper Finish	Ni / Au
RF Signals (Input)	4
RF Signals (Read-out)	0
DC Signals	0
Connector Type (RF)	SMP
Connector Type (DC)	-

[Schematic](#)



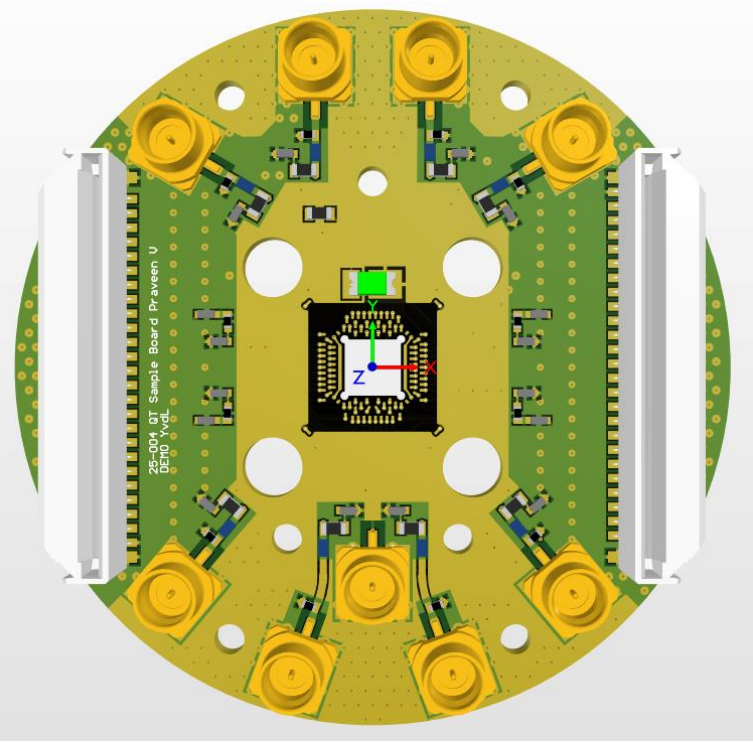
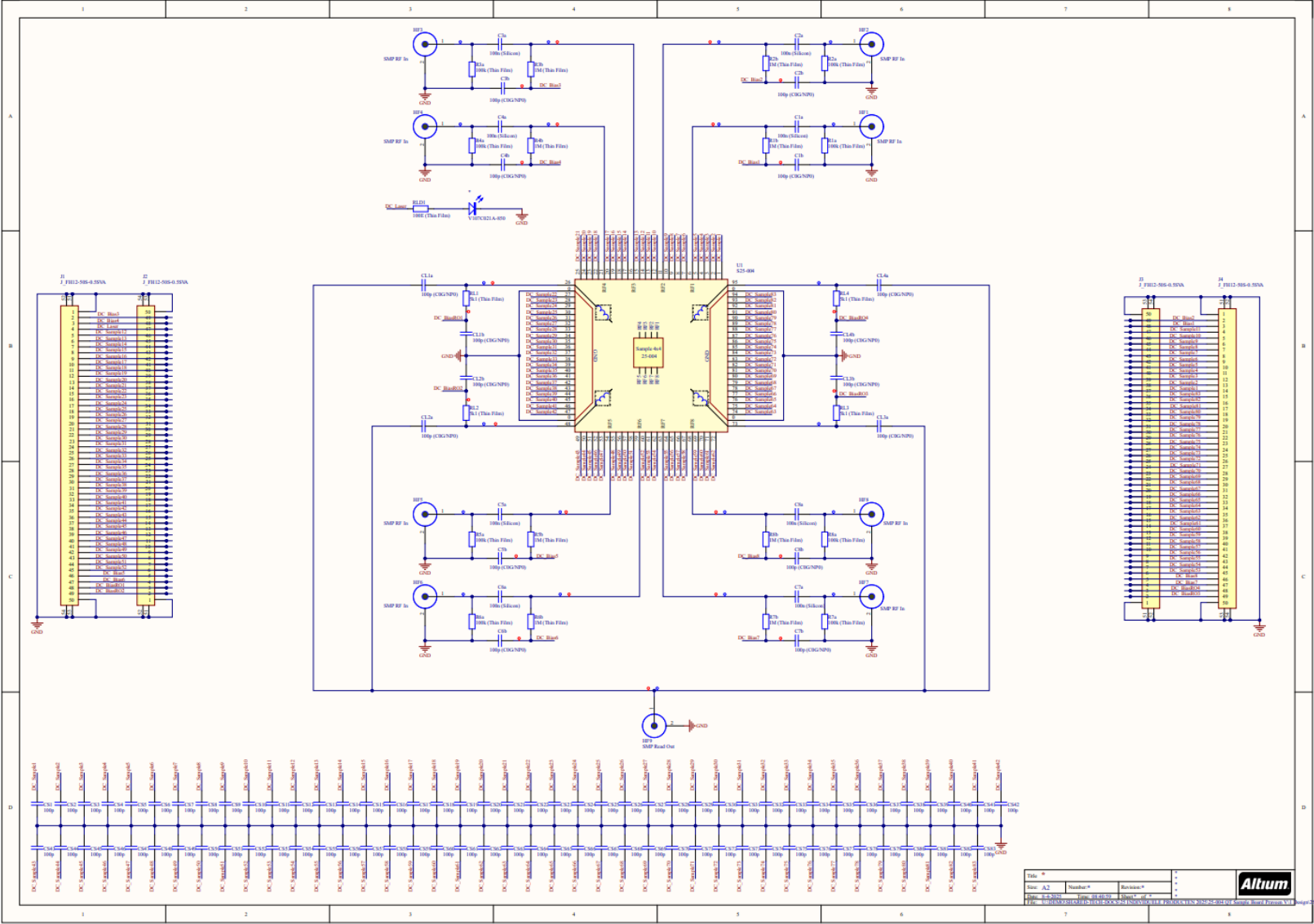
25-004

Sample Board

Praveen V

Size (L x W x t) (mm)	50 x 50 x 1.55
Dielectric Material	RO4350B / RO4450F
Z ₀ (Design)	50Ω
Layers	8
Copper Finish	Ni / Au
RF Signals (Input)	8 (with Bias-Tees)
RF Signals (Read-out)	4 (Multiplexed)
DC Signals	96
Connector Type (RF)	SMP
Connector Type (DC)	FFC50 Straight

Schematic

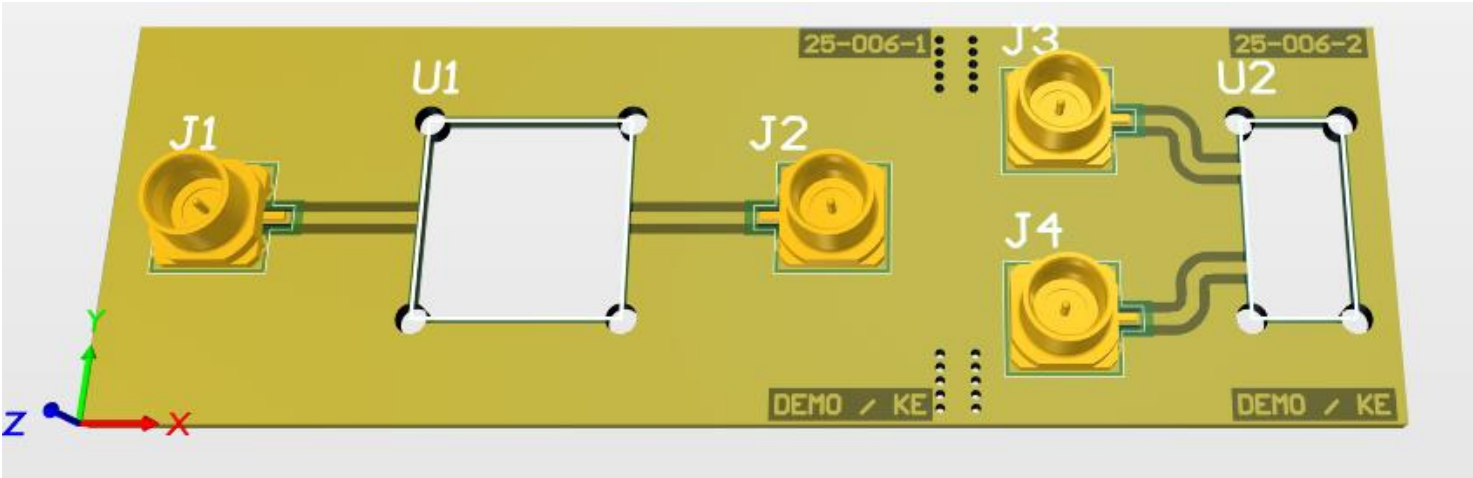
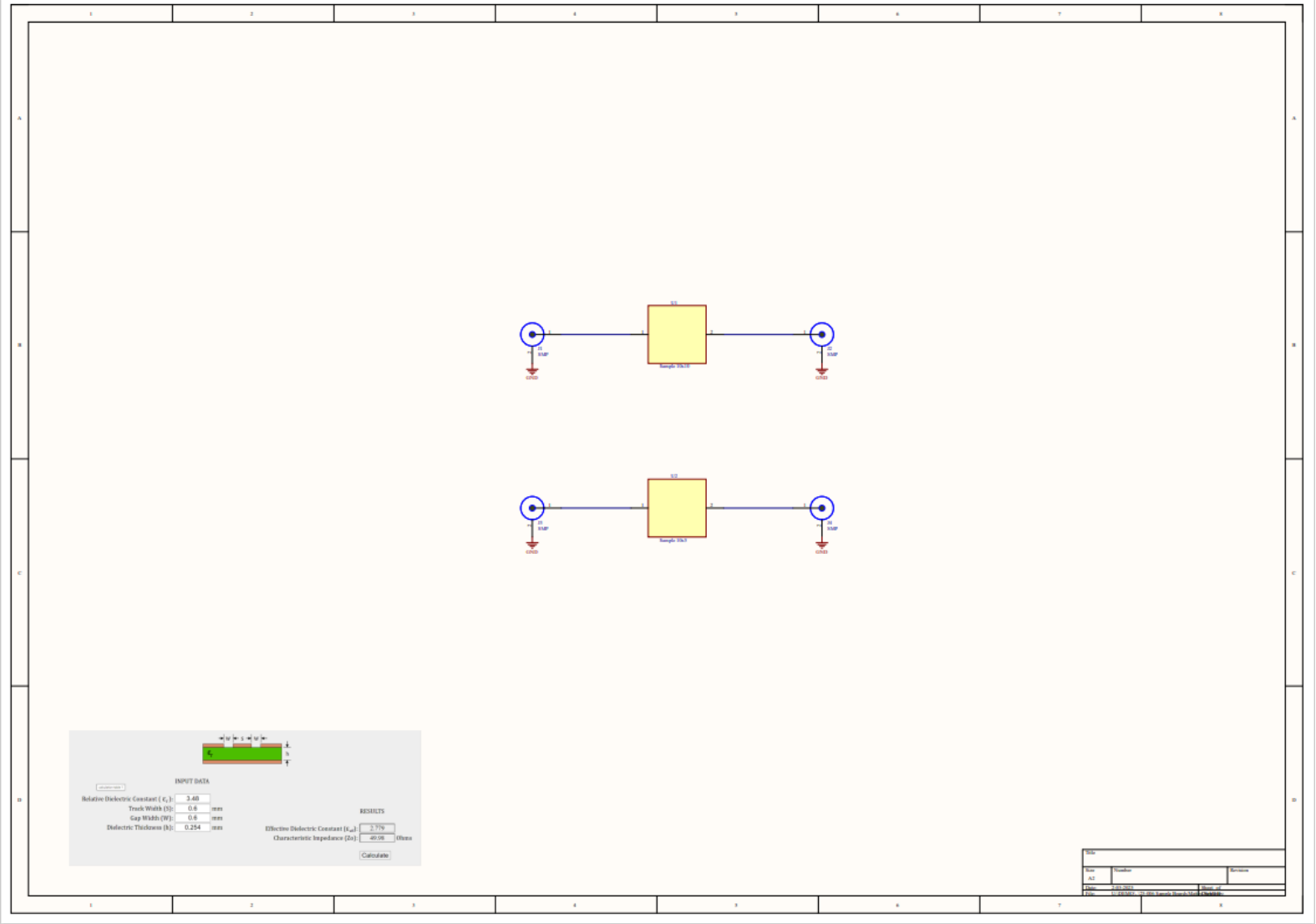


25-006

Sample Boards Matteo

Size (L x W x t) (mm)	25-006-1: 20 x 40 x 1.06 25-006-2: 20 x 21 x 1.06
Dielectric Material	RO4350B / RO4450F
Z ₀ (Design)	50Ω
Layers	4
Copper Finish	OSP (Non-magnetic)
RF Signals (Input)	25-006-1: 2 25-006-2: 2
RF Signals (Read-out)	0
DC Signals	0
Connector Type (RF)	SMP (Non-magnetic)
Connector Type (DC)	-

Schematic



Filter & Interface Boards

Filter Boards

- -

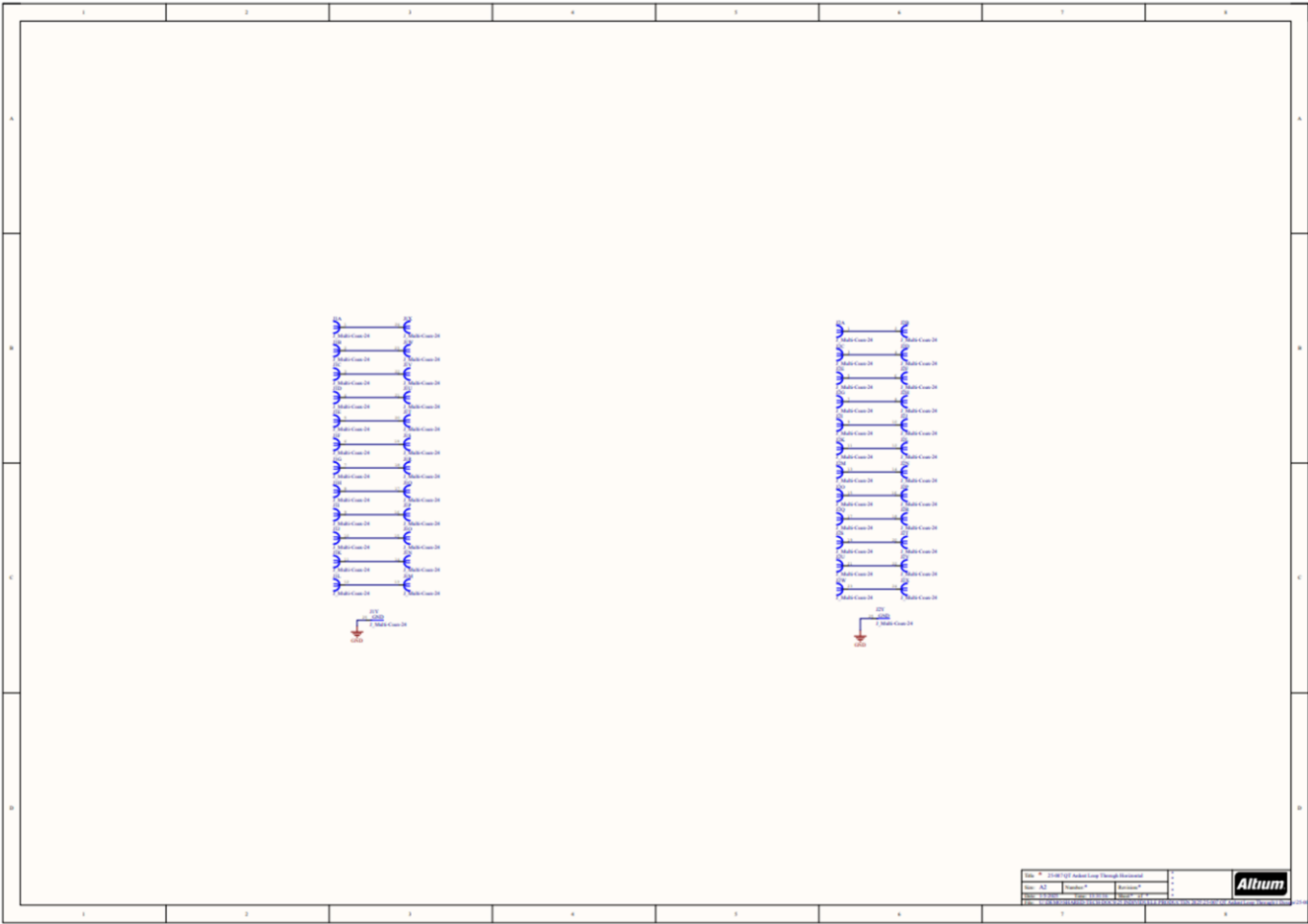
Interface Boards

- 25-007 QT Ardent Loop Through

25-007

QT Ardent Loop Through

Board Type	Ardent Interface Connection Test Horizontal / Vertical
Size (L x W x t) (mm)	Horizontal: 20 x 52 x 1.6 Vertical: 20 x 52 x1.6
Material	FR4
Layers	4
Copper Finish	Ni / Au
Connector Type	Ardent 24 Channel



Schematic

