PCB Laminate Specification for PCB 400783

Drill Table

Symbol	Count	Hole Size	Plated	Hole Tolerance
⬡	339	0.250mm	Plated	
◯	24	0.600mm	Non-Plated	
▢	19	0.900mm	Plated	
✧	2	1.550mm	Non-Plated	
▽	2	2.700mm	Non-Plated	
	386 Total			

Layer Stack Legend

Layer	Material	Thickness	Dielectric Material	Type	Gerber
Top Overlay				Legend	GTO
Top Solder	Surface Material	0.051mm	Solder Resist	Solder Mask	GTS
Top Layer	Copper	0.045mm		Signal	GTL
Prepreg		0.094mm	PP-006	Dielectric	
Mid-Layer 1	CF-004	0.032mm		Signal	G1
Core		1.200mm	FR-4	Dielectric	
Mid-Layer 2	CF-004	0.032mm		Signal	G2
Prepreg		0.094mm	PP-006	Dielectric	
Bottom Layer	Copper	0.045mm		Signal	GBL
Bottom Solder	Surface Material	0.051mm	Solder Resist	Solder Mask	GBS
Bottom Overlay				Legend	GBO

Total thickness: 1.644mm

PCB Details

PCB Supplier	Suppliers Choice
Number of copper layers	4
Laminate Material	FR-4
Total Board Thickness	~1.6mm
Copper thickness	See figure above
PCB Stackup	See figure above
Solder Mask Color	Blue
Silkscreen Color	White
Surface Finish	ENIG Gold
Compliance Enviromental directives	RoHS, REACH, Halogen-Free
Via protection	

Gerber file extension convention conforming to general industry practice

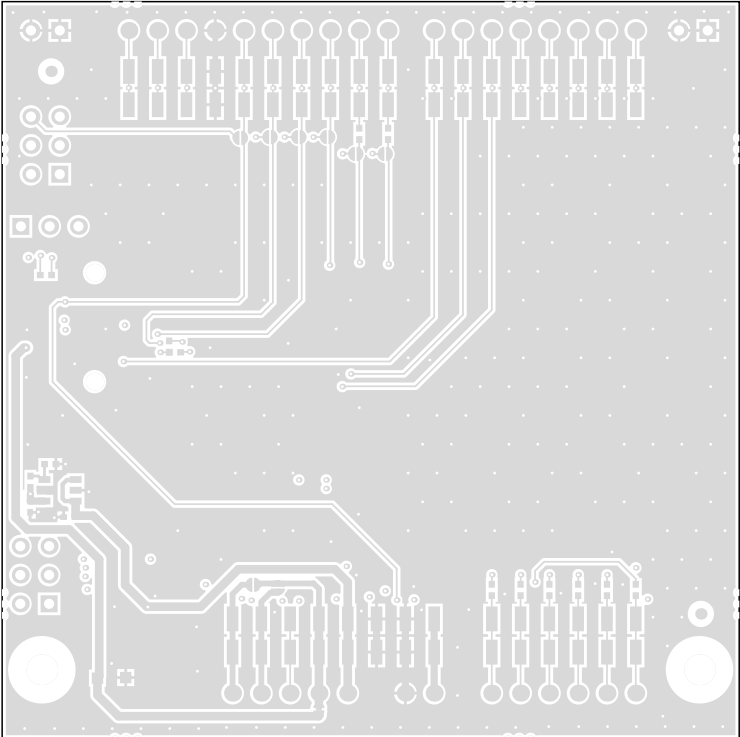|	
.GTL	Top Layer
.GBL	Bottom Layer
.G1	Mid-Layer 1
.G2	Mid-Layer 2
.GTO	Top Overlay
.GBO	Bottom Overlay
.GTP	Top Paste Mask
.GBP	Bottom Paste Mask
.GTS	Top Solder Mask
.GBS	Bottom Solder Mask
.GM1	Mechanical 1 (Used for board outline)
.GM11	Mechanical 11 (Used for top layer tracks impedance control)
.GM16	Mechanical 16 (Used for top layer capped vias)

Title

Raspberry Pi 4 Interface board for nRF7002 EK

Size: A3

PCB Assembly Number: PCA64167 Rev: 0.1.0

PCB Number: 400783 Rev: 0022PRBU

Date: 12-07-2023

File: 400783.PCBDwf

SHEET 1 OF 2

Drawn By: PRBU

NORDIC SEMICONDUCTOR

PCB Information for PCB 400783

Top Layer (Scale 1.5:1)
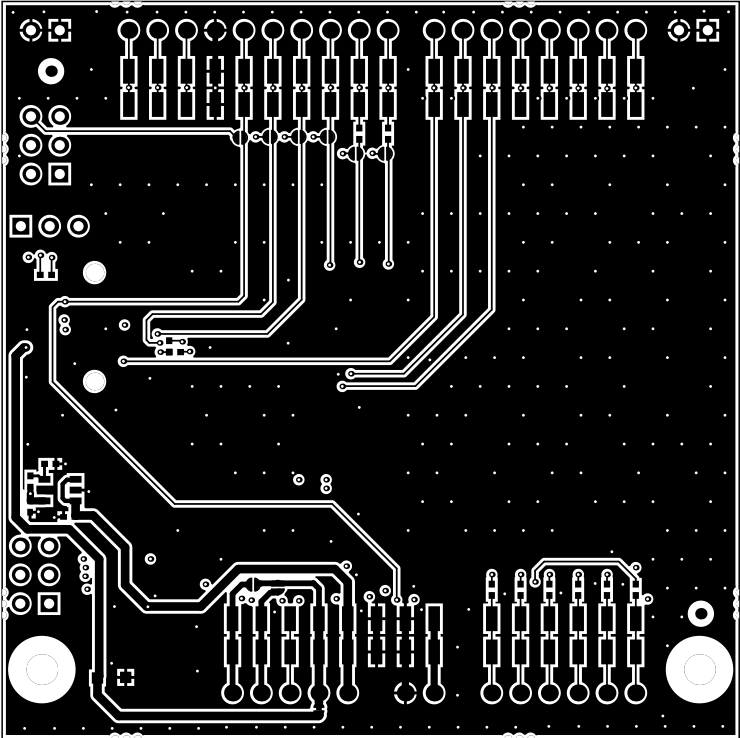
Top Via Capping (Scale 1.5:1)

Title			
Raspberry Pi 4 Interface board for nRF7002 EK			
Size	PCB Assembly Number: PCA64167	Rev: 0.1.0	NORDIC SEMICONDUCTOR
A3	PCB Number: 400783	Rev: 0022PRBU	
Date: 12-07-2023			SHEET 2 OF 2
File: 400783.PCBDwf			Drawn By: PRBU