

PCB Laminate Specification for PCB 400150

Layer Stack Legend

Layer	Material	Thickness	Dielectric Material	Type	Gerber
Top Overlay				Legend	GTO
Top Solder	Surface Material	0.050mm	Solder Resist	Solder Mask	GTS
Top Surface Finish	Nickel, Gold	0.003mm		Surface Finish	
Top Layer	Copper	0.035mm		Signal	GTL
	Prepreg	0.075mm	FR-4	Dielectric	
Mid-Layer 1	Copper	0.035mm		Signal	G1
	Core	1.200mm	FR-4	Dielectric	
Mid-Layer 2	Copper	0.035mm		Signal	G2
	Prepreg	0.075mm	FR-4	Dielectric	
Bottom Layer	Copper	0.035mm		Signal	GBL
Bottom Surface Finish	Nickel, Gold	0.003mm		Surface Finish	
Bottom Solder	Surface Material	0.050mm	Solder Resist	Solder Mask	GBS
Bottom Overlay				Legend	GBO

Total thickness: 1.596mm

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
Compliance Enviromental directives	RoHS, REACH
Via protection	IPC-4761 Type VII Filled and Capped Via

Drill Table

Symbol	Count	Hole Size	Plated	Hole Tolerance
☆	152	0.100mm	Plated	
☆	864	0.250mm	Plated	
⊗	16	0.305mm	Plated	
A	16	0.330mm	Plated	
◇	2	0.500mm	Plated	
□	82	0.900mm	Plated	
⊕	3	0.991mm	Non-Plated	
⊗	2	1.000mm	Plated	
⊗	2	1.780mm	Non-Plated	
○	5	3.200mm	Non-Plated	
	1144 Total			

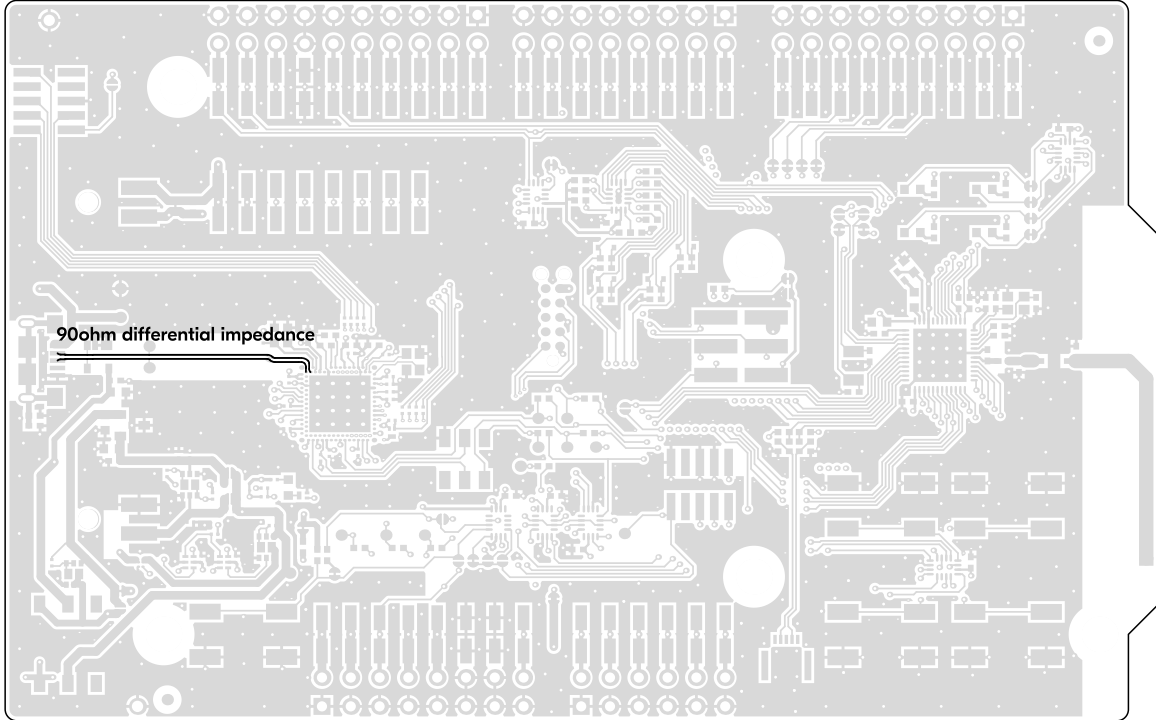
Gerber file extension convention conforming to general industry practice

.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)

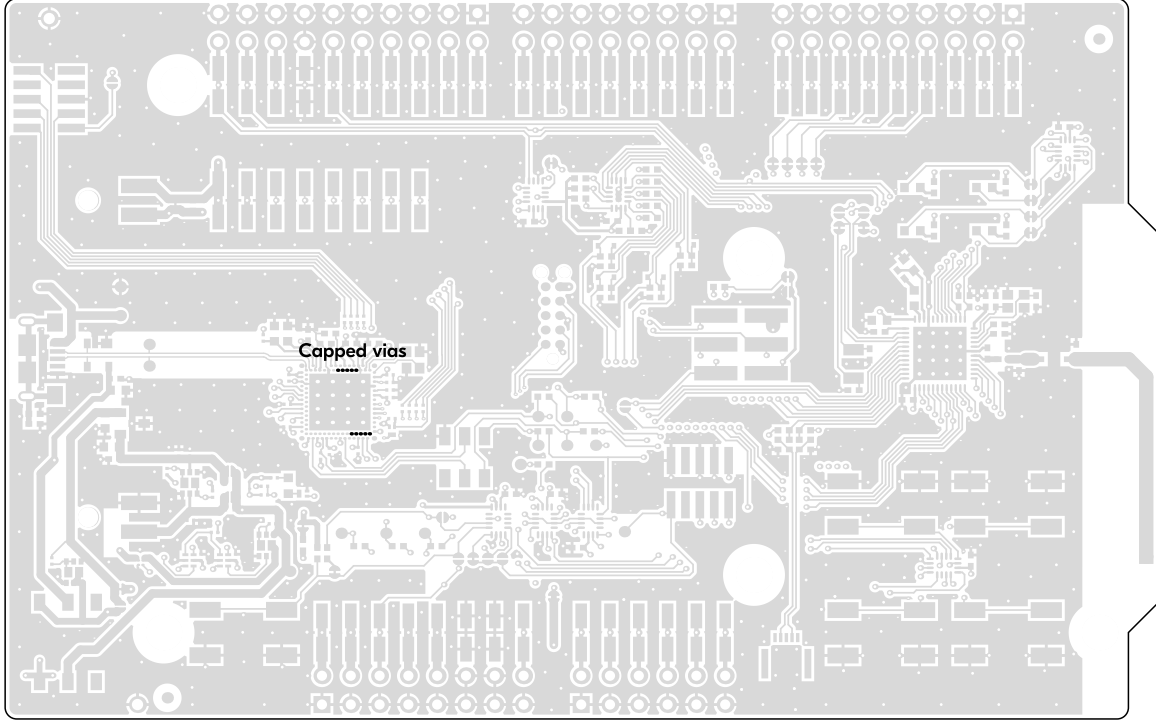
Title			
nRF52832 Development Board			
Size A3	PCB Assembly Number: PCA10040	Rev: 3.0.0	
	PCB Number: 400150	Rev: 0413RUBR	
Date: 28.09.2021			SHEET 1 OF 2
File: 400150.PCBDwf			Drawn By: KJP/RUBR/GETR/SIGE


PCB Information for PCB 400150

Top Impedance (Scale 1.5)



Top Via Capping (Scale 1.5)



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