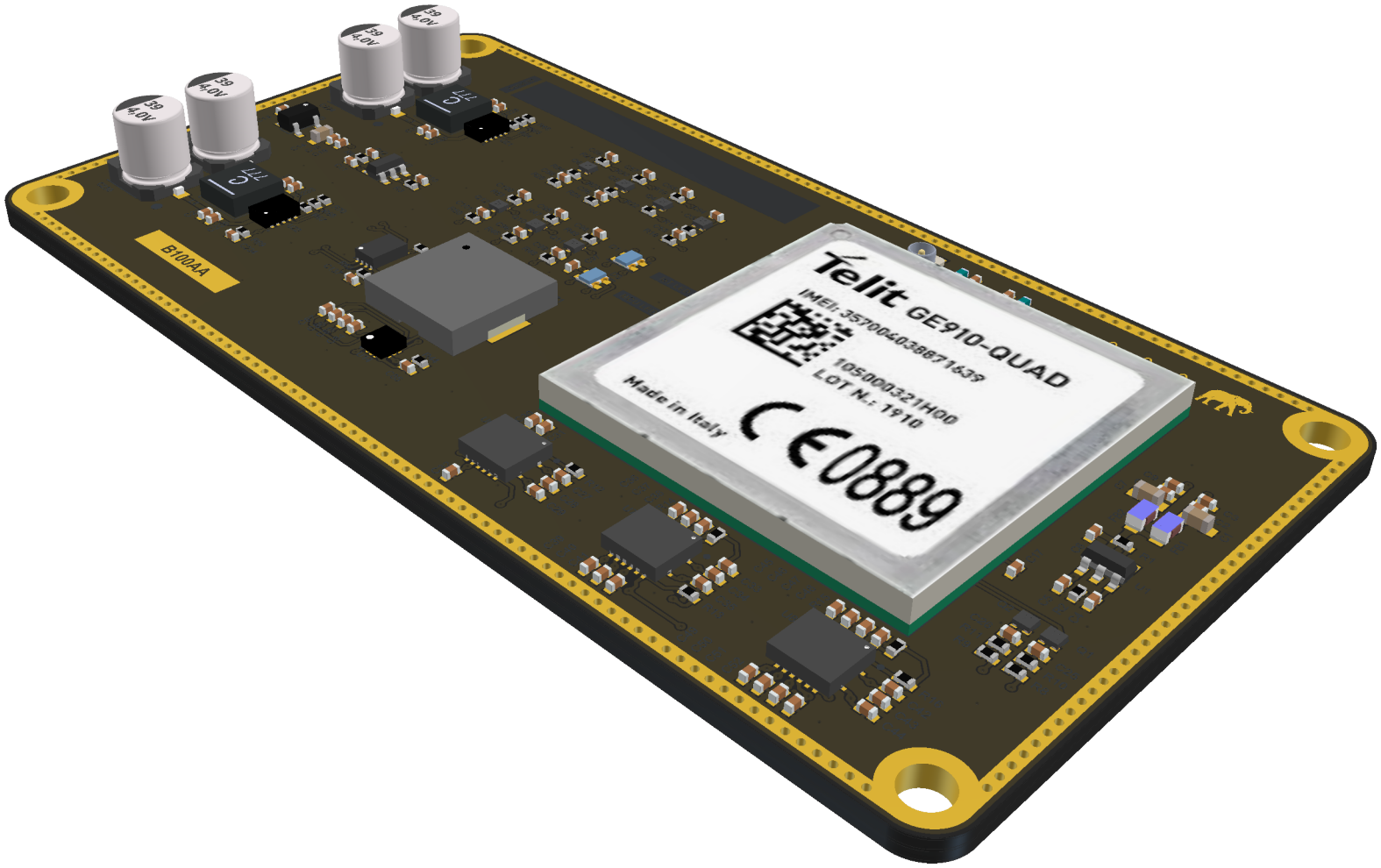
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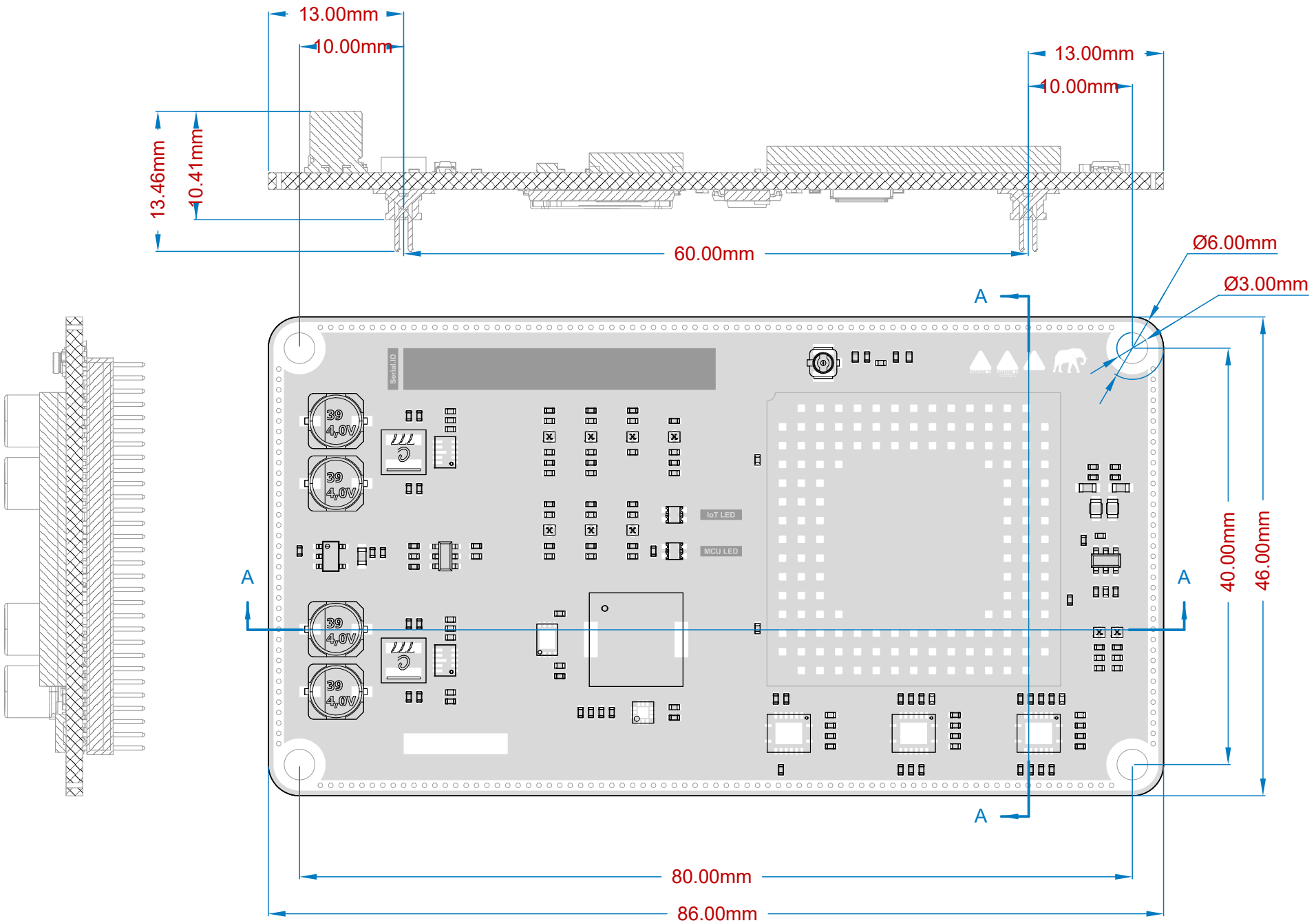
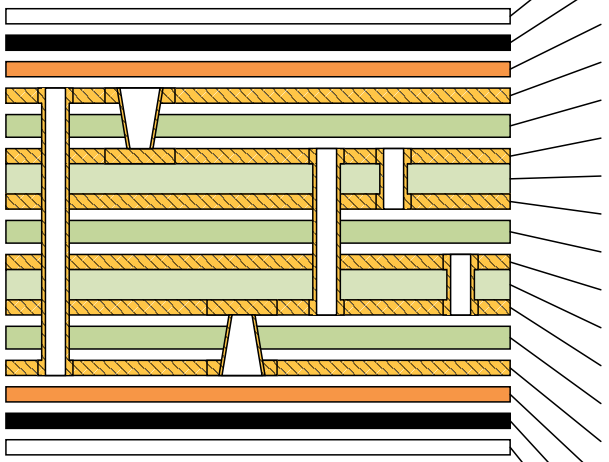
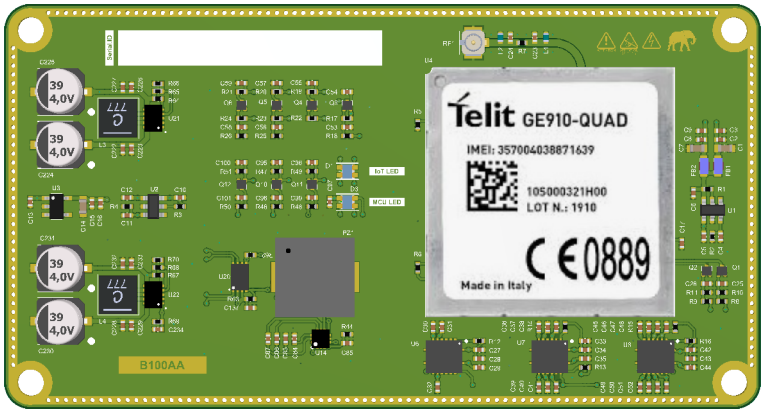
LOT N.: 1910
Made in Italy
CE 0889
B100AA


13.00mm
10.00mm
13.00mm
10.00mm
13.46mm
10.41mm
60.00mm
Ø6.00mm
Ø3.00mm
A
A
A
A
40.00mm
46.00mm
80.00mm
86.00mm
Serial ID
IoT LED
MCU LED
39
4,0V



Material	Layer	Thickness
	Top Overlay	
Surface Material	Top Solder	0.01mm
Nickel, Gold	Top Surface Finish	0.02mm
Copper	Top Layer	0.04mm
Prepreg		*0.10mm*
Copper	Mid Layer 1	0.02mm
Core		*0.56mm*
Copper	Mid Layer 2	0.02mm
Prepreg		*0.13mm*
Copper	Mid Layer 3	0.02mm
Core		*0.56mm*
Copper	Mid Layer 4	0.02mm
Prepreg		*0.10mm*
Copper	Bottom Layer	0.04mm
Nickel, Gold	Bottom Surface Finish	0.02mm
Surface Material	Bottom Solder	0.01mm
	Bottom Overlay	

Total thickness: 1.66mm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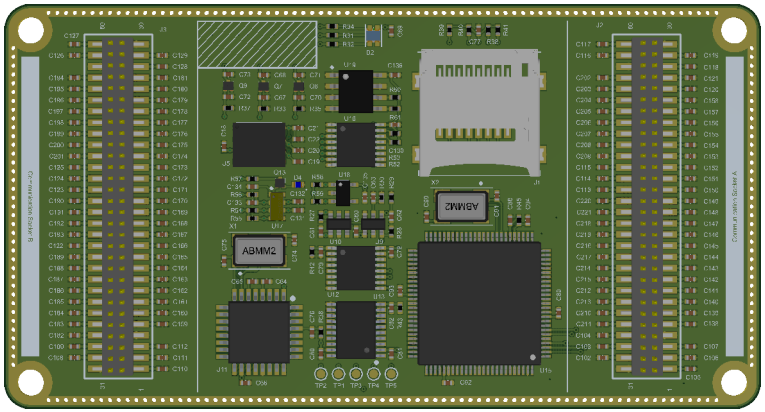
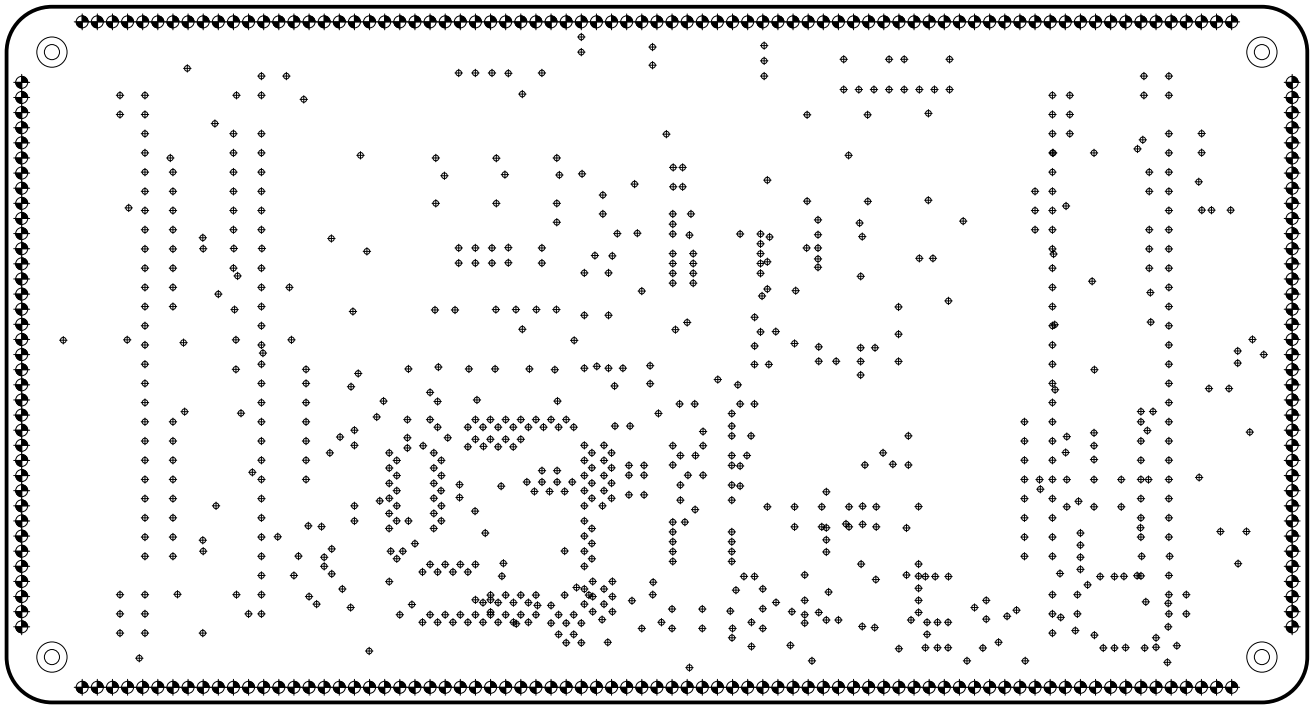

ABMM2
ABMM2

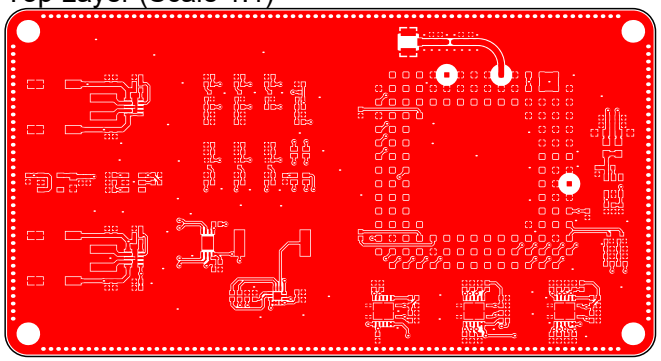
Designator	Quantity	Manufacturer_Part_Number	Manufacturer Part Number
J2	1		FTSH-130-01-F-DV
J3	1		FTSH-130-01-F-DV
X1, X2	2		ABMM2-7.3728MHZ-E2-T
U11	1	ATMEGA328P-AU	
U15	1	ATMEGA2560V-8AU	
D1, D2, D3	3		150066M153000
C224, C225, C230, C231	4		16SVPC39MV
U20	1	MCP3422A0-E/MC	
RF1	1		
U14	1	PAM8904EGPR	
Q1, Q2, Q4, Q5, Q6, Q7, Q8, Q9, Q10, Q11, Q12, Q13	12	BC847AQAZ	
Q3	1		BC807-40QAZ
U21, U22	2	TPS63802DLAT	
U19	1		24LC128T-I/SN
FB1, FB2	2		BLM18EG101TZ1D
L1, L2	2		LQG15HN1N0S02D
L3, L4	2		XFL4015-471MEB
U4	1		
U16	1	TCA9546APWR	
U3	1	TLV75533PDBVR	
J1	1		47219-2001
U5	1		
C23, C24	2		04026C102MAT2A
C2, C8, C27, C33, C42	5		GRM153R60J105ME95D
C74, C75, C90, C91	4		CBR04C130F5GAC
C3, C4, C9, C11, C16, C17, C18, C19, C20, C21, C25, C26, C30, C31, C32, C36, C37, C38, C39, C40, C41, C45, C46, C47, C48, C49, C50, C51, C52, C53, C54, C55, C56, C57, C58, C59, C62, C63, C67, C68, C69, C70, C71, C72, C73, C79, C82, C85, C95, C96, C97, C98, C99, C100, C101, C102, C103, C104, C105, C106, C107, C108, C109, C110, C111, C112, C113, C114, C115, C116, C117, C118, C119, C120, C121, C122, C123, C124, C125, C126, C127, C128, C129, C133, C134, C138, C139, C140, C141, C142, C143, C144, C145, C146, C147, C148, C149, C150, C151, C152, C153, C154, C155, C156, C157, C158, C159, C160, C161, C162, C163, C164, C165, C166, C167, C168, C169, C170, C171, C172, C173, C174, C175, C176, C177, C178, C179, C180, C181, C182, C183, C184, C185, C186, C187, C188, C189, C190, C191, C192, C193, C194, C195, C196, C197, C198, C199, C200, C201, C202, C203, C204, C205, C206, C207, C208, C209, C210, C211, C212, C213, C214, C215, C216, C217, C218, C219, C220, C221, C222, C227, C228, C233, C234	174		C0402C330J9RACAUTO
C5, C6, C10, C12, C13, C15, C22, C28, C29, C34, C35, C43, C44, C60, C61, C64, C65, C66, C76, C77, C78, C80, C81, C83, C84, C86, C87, C88, C89, C92, C93, C94, C130, C131, C132, C135, C136, C137, C223, C226, C229, C232	42		04026D104KAT4A
U9	1		
PZ1	1		PKMCS0909E4000-R1
U1, U2, U10	3	TPS22917DBVR	
U17	1	RV-3028-C7	
U18	1	DS28CM00R-A00+T	
D4	1	SMLP13BC8TT86	
U12	1	SN3257QPWRQ1	
C1, C14	2		F380J106MMAAH3
C7	1		F380J476MMAAXEH3
R5, R6, R7	3		CRCW04020000Z0ED
R18, R22, R23, R24	4		CRCW04024K70FKED
R8, R9, R36, R38, R39, R40, R41, R45, R52, R53, R54, R55, R56, R58, R59, R60, R61, R62, R63	19		CRCW040210K0FKED
R20, R21	2		CRCW040222R0FKED
R2, R4, R10, R11, R12, R13, R14, R15, R16, R17, R25, R26, R29, R30, R33, R35, R37, R42, R43, R44, R47, R49, R51, R69	24		CRCW040247K0FKED
R19	1		CRCW040264R9FKED
R66, R70	2		CRCW040291K0FKED
R64, R67	2		CRCW0402100KFKED
R28	1		CRCW0402249KFKED
R1, R3, R27, R31, R32, R34, R46, R48, R50, R57	10		CRCW0402330RFKED
R65	1		CRCW0402604KFKED
R68	1		CRCW0402806KFKED
U13	1		TXS0108EPWR
U6, U7, U8	3		SN74AVCH4T245RGYR



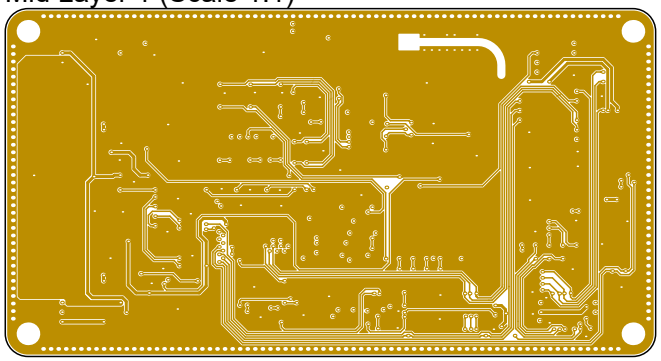
Drill Table

Symbol	Count	Hole Size	Plated	Hole Tolerance
⌖	764	0.20mm	Plated	None
⌖	228	0.50mm	Plated	+/-0.05mm
◎	4	3.00mm	Plated	+/-0.05mm
	996 Total			

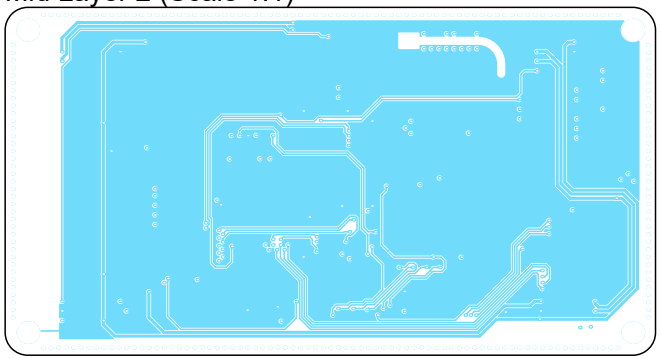
Top Layer (Scale 1:1)



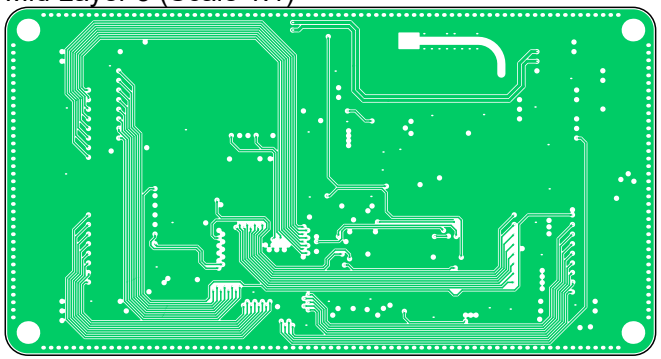
Mid Layer 1 (Scale 1:1)



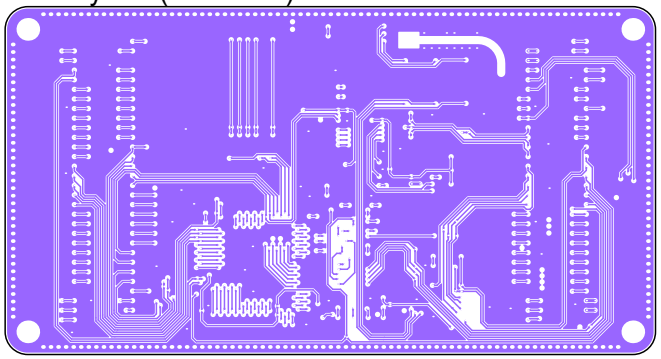
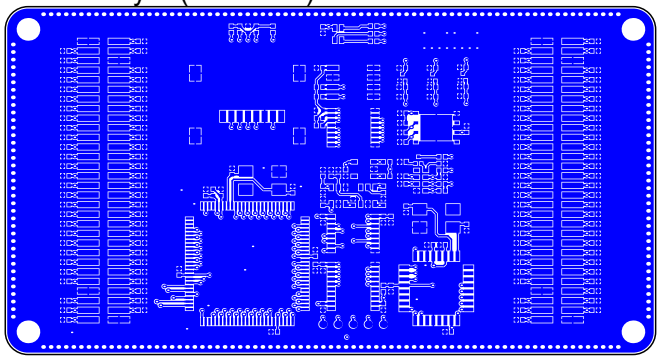
Mid Layer 2 (Scale 1:1)



Mid Layer 3 (Scale 1:1)



Mid Layer 4 (Scale 1:1)



Bottom Layer (Scale 1:1)