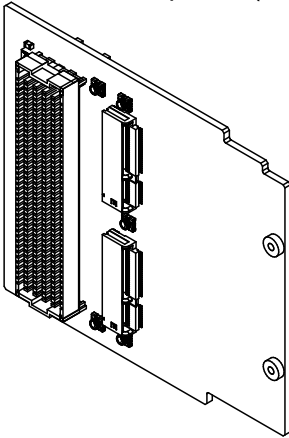
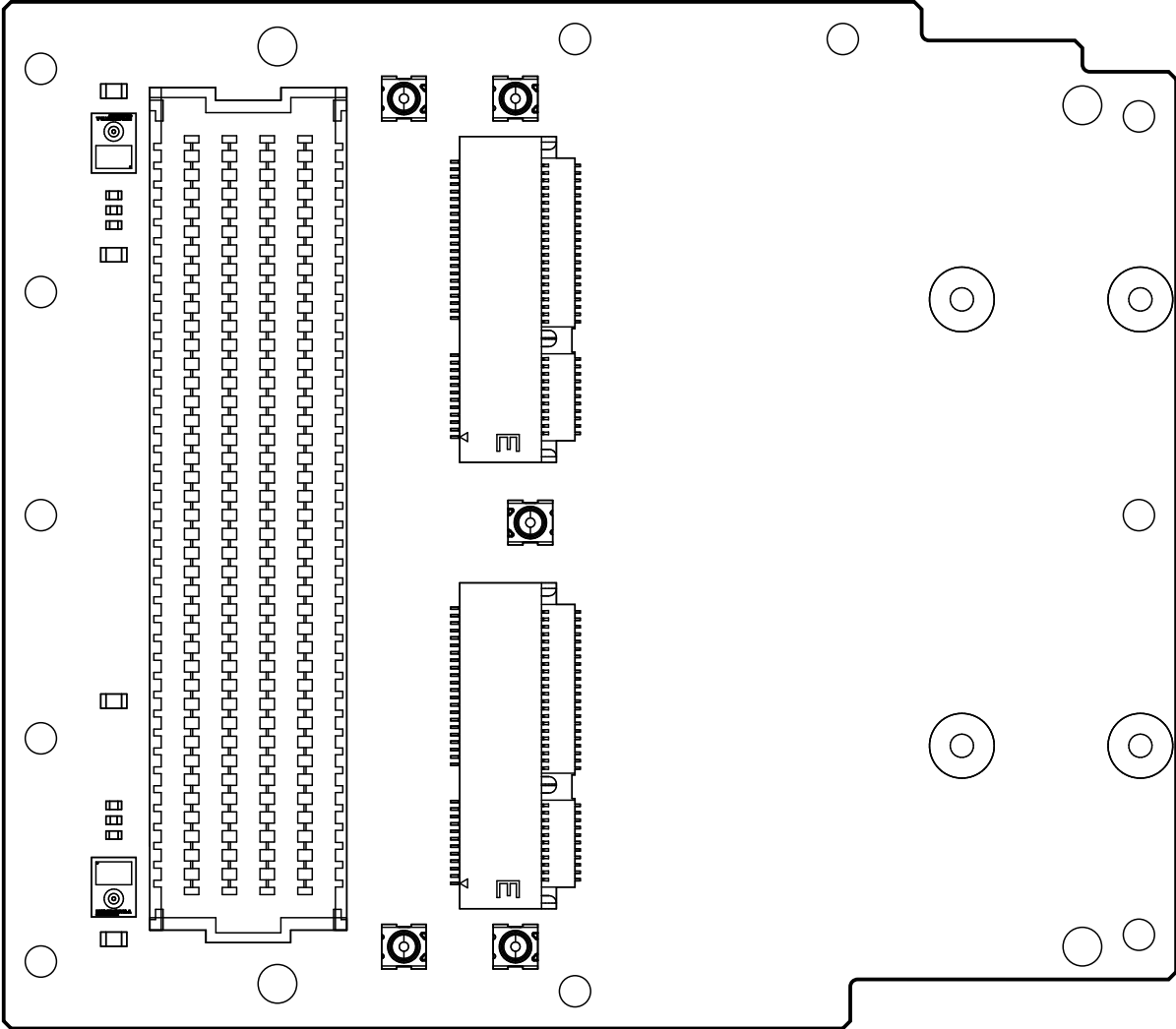


Assembly documentation:

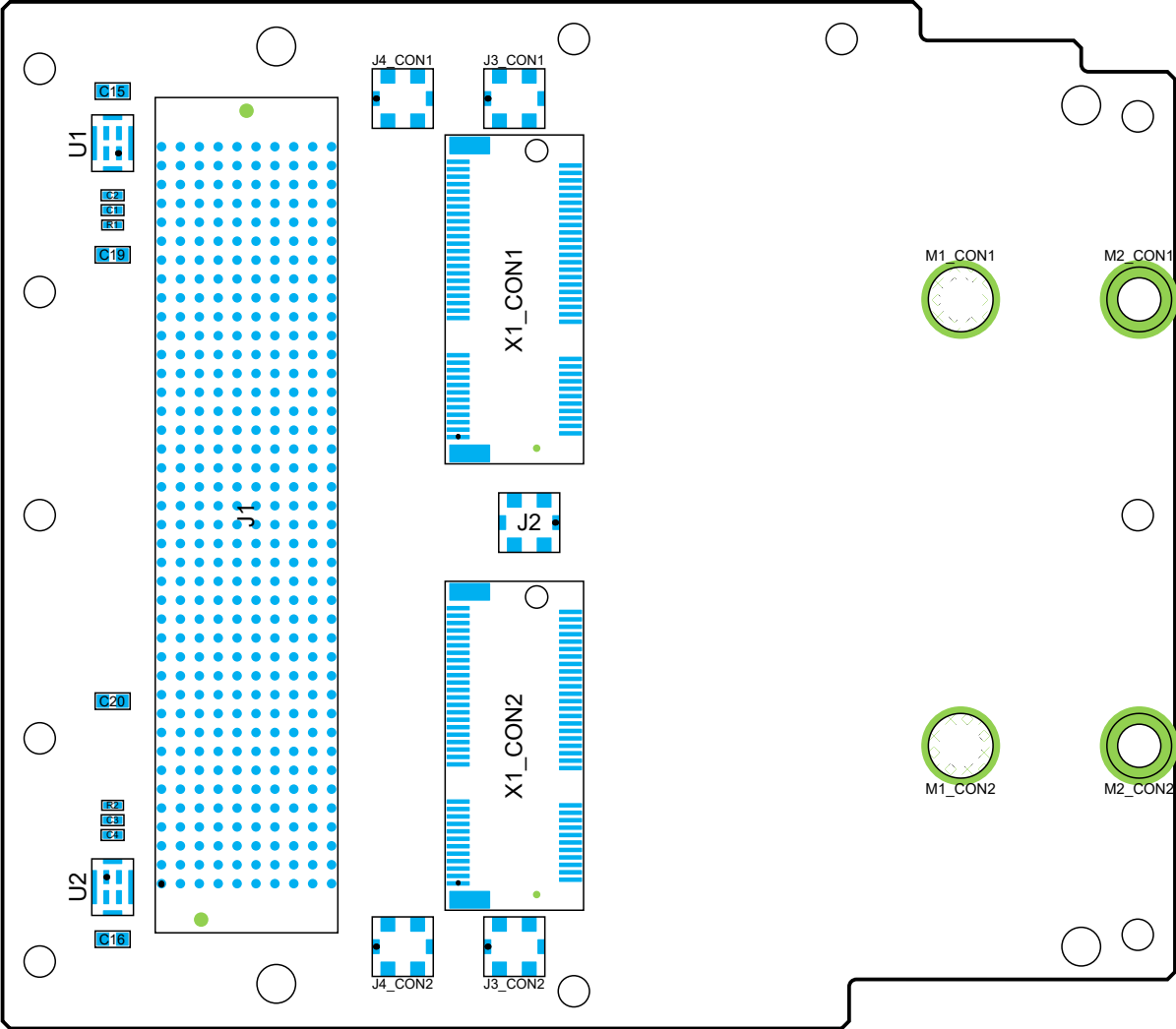
View from Top side (Scale 2:3)



View from Top side (Scale 2:1)

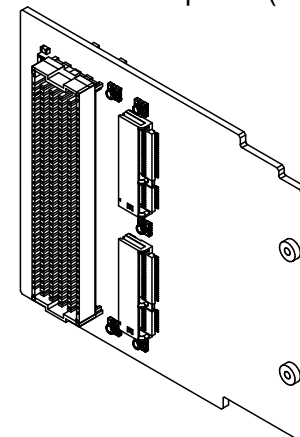


View from Top side (Scale 2:1)

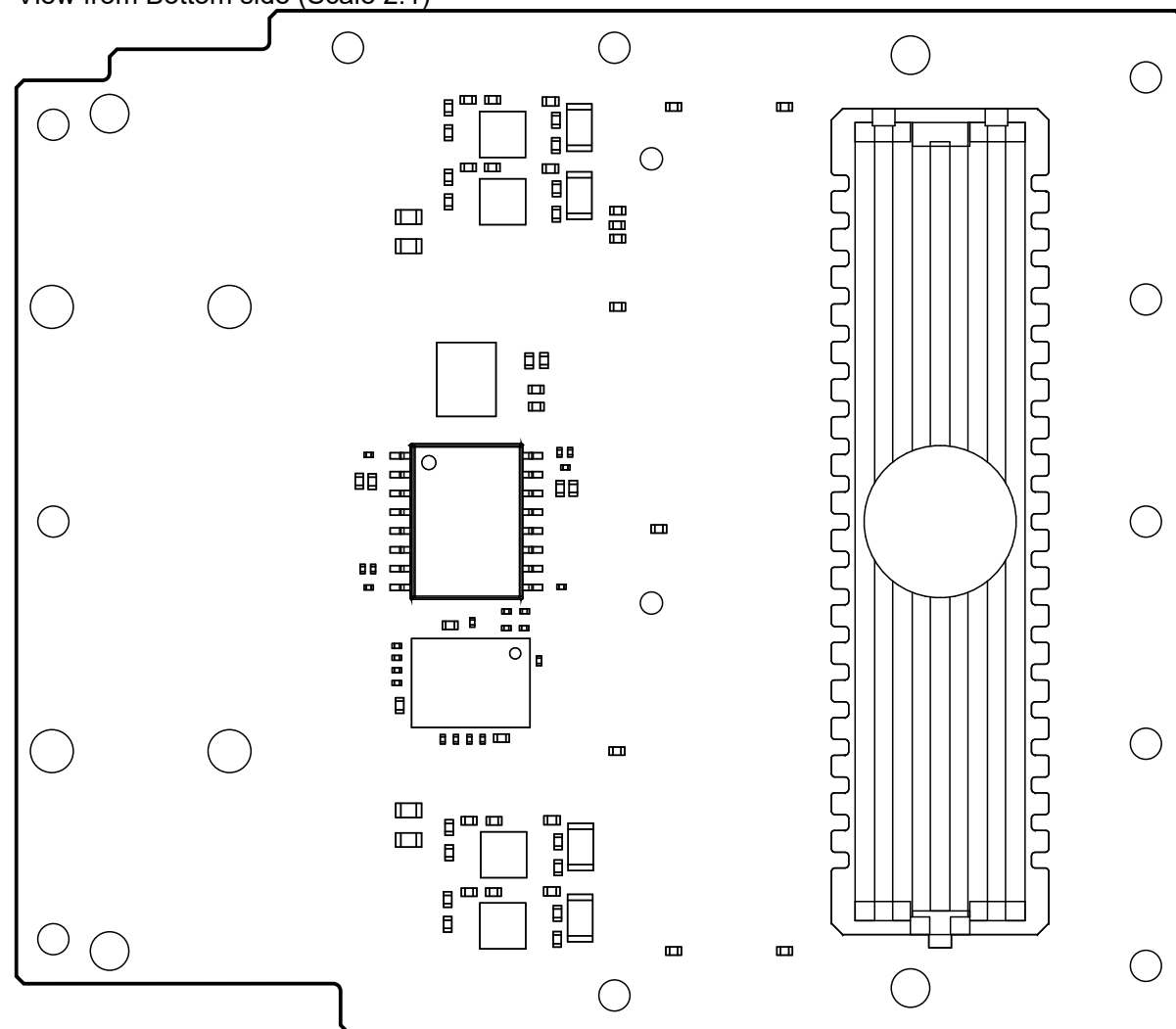


- Notes:
- 1. Pin 1 marked with dot
 - 2. Cathode marked with K

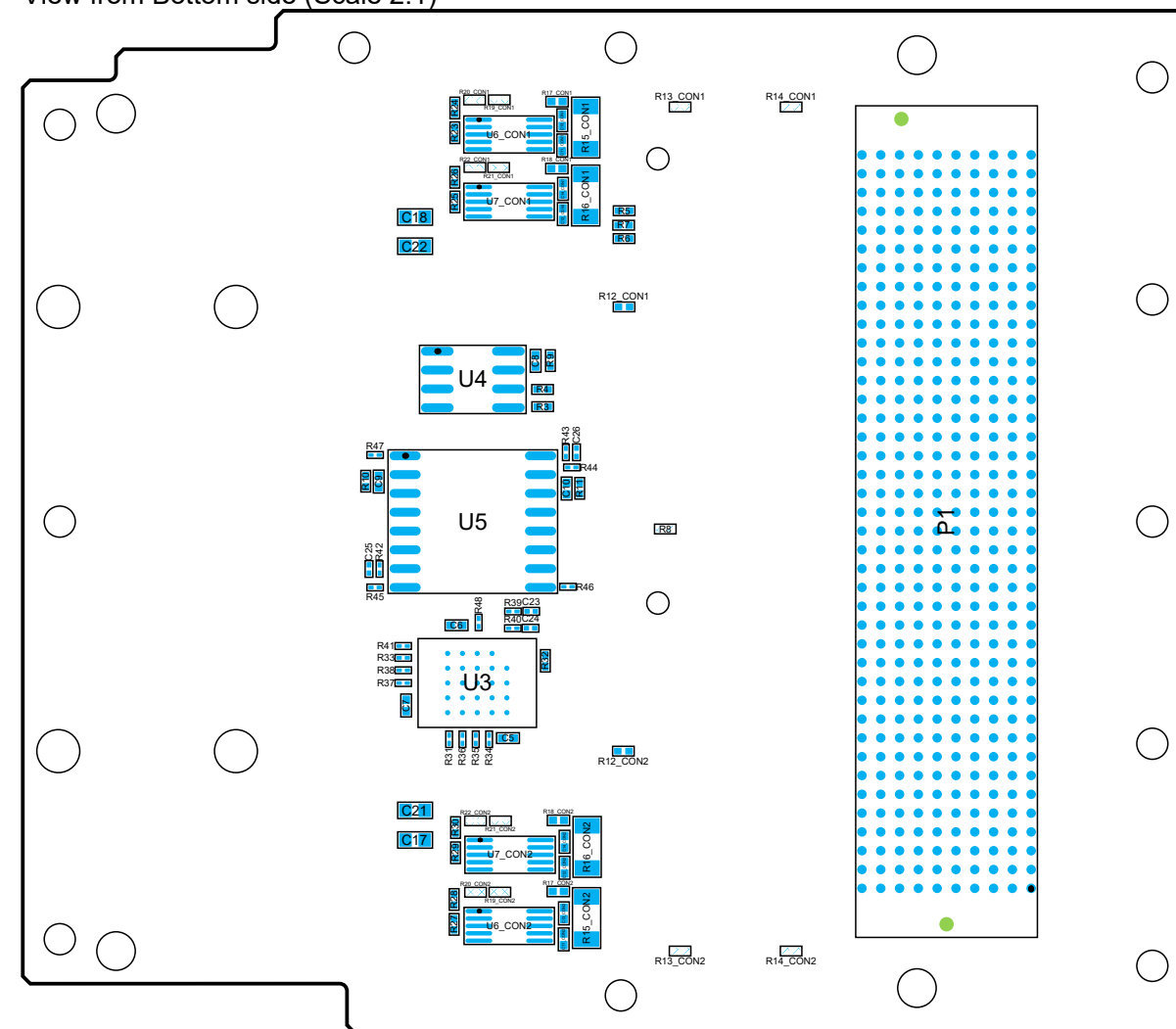
			Project: FPGA Peripherals Board	
Drawing number:	Rev: A	Format: A3	Laboratory: IIS	Sheet: FPGA_Peripheral_Board_assembly.PCBD
Date: 09.02.2021			Drawn by: MAYERPH	Page: 1 of 3
File: C:\Users\phili\polybox\05_AltiumProjects\FPGA Peripheral Board\BaseBoard\FPGA_Peripheral_Board_assembly.PCBDwrf				



View from Bottom side (Scale 2:1)



View from Bottom side (Scale 2:1)



A		B		C		D		E		F		G		H	
Bill Of Materials															
Line #	Quantity	Designator	Comment	Value	Tolerance	Power	Footprint	Manufacturer	Manufacturer Part Number						
1	2	C1, C3	1uF	1uF	10%		CAPC1005X60X30LL05T10	Kemet	C0402C105K9PACTU						
2	16	C2, C4, C5, C6, C7, C8, C9, C10, C11_CON1, C11_CON2, C12_CON1, C12_CON2, C13_CON1, C13_CON2, C14_CON1, C14_CON2	100nF	100nF	10%		CAPC1050X55X23LL05T13	Samsung Electro-Mechanics	CL05B104KO5NNNC						
3	8	C15, C16, C17, C18, C19, C20, C21, C22	10uF	10uF	20%		CAPC1608X90X35LL15T15	AVX Interconnect / Elco	06036D106MAT2A						
4	4	C23, C24, C25, C26	100pF	100pF	10%		CAPC0603X33X15LL03T05	AVX Interconnect / Elco	0201YC101KAT2A						
5	1	J1	ASP-134486-01				BTB-SM1-27-2V400F	Samtec	ASP-134486-01						
6	5	J2, J3_CON1, J3_CON2, J4_CON1, J4_CON2	MM8430-2610				MM8430-2610	Murata	MM8430-2610RA1						
7	2	M2_CON1, M2_CON2	9774015243R				9774015243R	Würth Electronics	9774015243R						
8	1	P1	ASP-134488-01				BTB-SM1-27-2V400M	Samtec	ASP-134488-01						
9	15	R1, R2, R9, R10, R11, R12_CON1, R12_CON2, R23, R24, R25, R26, R27, R28, R29, R30	0R	0 Ohm	5%		RESC1005X40X25LL05T10	Yageo	RC0402JR-070RL						
10	4	R3, R4, R5, R6	2k2	2.2 kOhm	1%		RESC1005X40X25LL05T10	Yageo / Phycomp	RC0402FR-072K2L						
11	1	R7	10k	10 kOhm	1%		RESC1005X40X25LL05T10	Yageo / Phycomp	RC0402FR-0710KL						
12	4	R15_CON1, R15_CON2, R16_CON1, R16_CON2	10mR	10 mOhm	1%		RESC3116X65X40NL10T20	Yageo	RL1206FR-070R01L						
13	4	R17_CON1, R17_CON2, R18_CON1, R18_CON2	10R	10 Ohm	1%		RESC1005X40X25LL10T10	Bourns	CR0402-FX-10R0GLF						
14	17	R31, R33, R34, R35, R36, R37, R38, R39, R40, R41, R42, R43, R44, R45, R46, R47, R48	49.9R	49.9 Ohm	1%		RESC0603X26X15LL03T05	Panasonic	ERJ-1GEF49R9C						
15	1	R32	100R	100 Ohm	1%		RESC0603X28X15ML05T05	Vishay	CRCW0201100RFKED						
16	2	U1, U2	MP34DT05TR-A				FP-HCLGA-DM00231908-MFG	STMicroelectronics	MP34DT05TR-A						
17	1	U3	S71KS512SC0				FBGA24_A-130	Cypress Semiconductor Corp	S71KS512SC0BHV000						
18	1	U4	M24M02-DRMN6TP				M08A_N	STMicroelectronics	M24M02-DRMN6TP						
19	1	U5	S25FL256SAGMFIR03				SOIC127P1030X265-16N	Cypress Semiconductor Corp	S25FL256SAGMFIR03						
20	4	U6_CON1, U6_CON2, U7_CON1, U7_CON2	INA233AIDGSR				ADI-RM-10_N	Texas Instruments	INA233AIDGSR						
21	2	X1_CON1, X1_CON2	2199119-4				2199119-4	TE Connectivity	2199230-4						

<div>ETH</div> zürich			Project: FPGA Peripherals Board		
Drawing number:		Rev: A	Format: A3	Laboratory: IIS	
Date: 09.02.2021				Sheet: FPGA_Peripheral_Board_assembly.PCBD	
				Drawn by: MAYERPH	
				Page: 3 of 3	
File: C:\Users\phili\polybox\05_AltiumProjects\FPGA Peripheral Board\BaseBoard\FPGA_Peripheral_Board_assembly.PCBdwf					

| A | | B | | C | | D | | E | | F | | G | | H | |