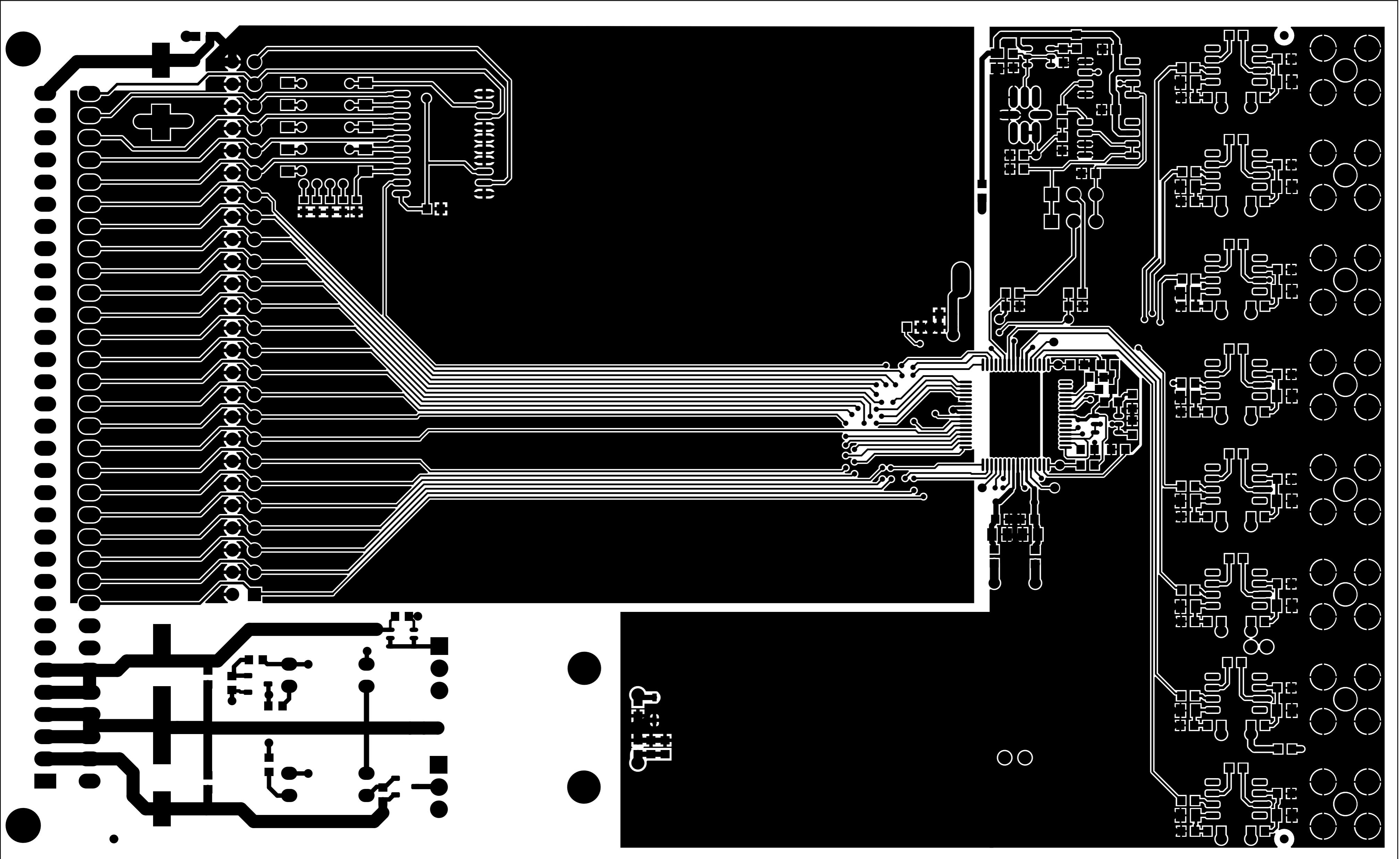


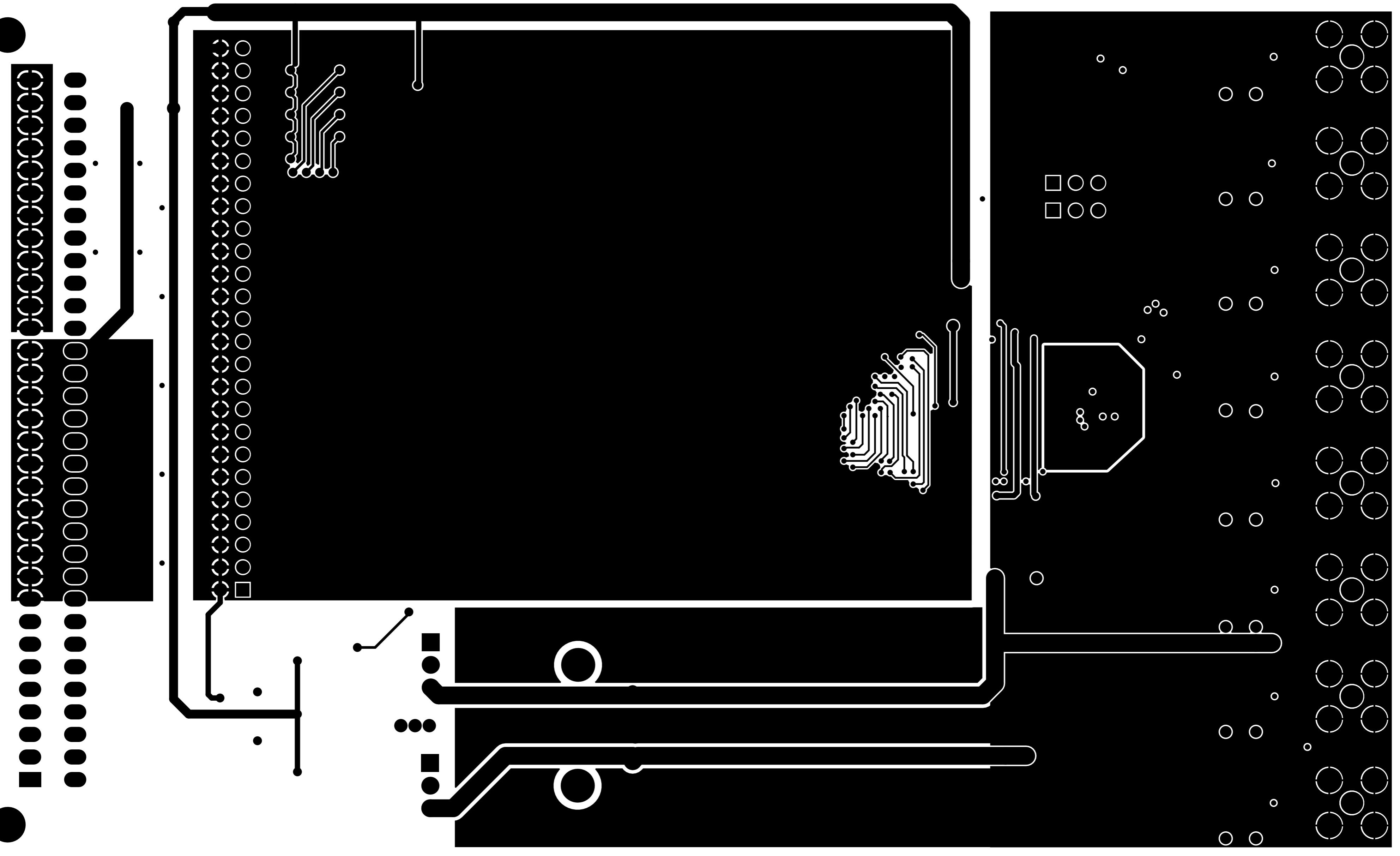
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Fiducial Fiducial Fiducial UvA Logo UvA Logo

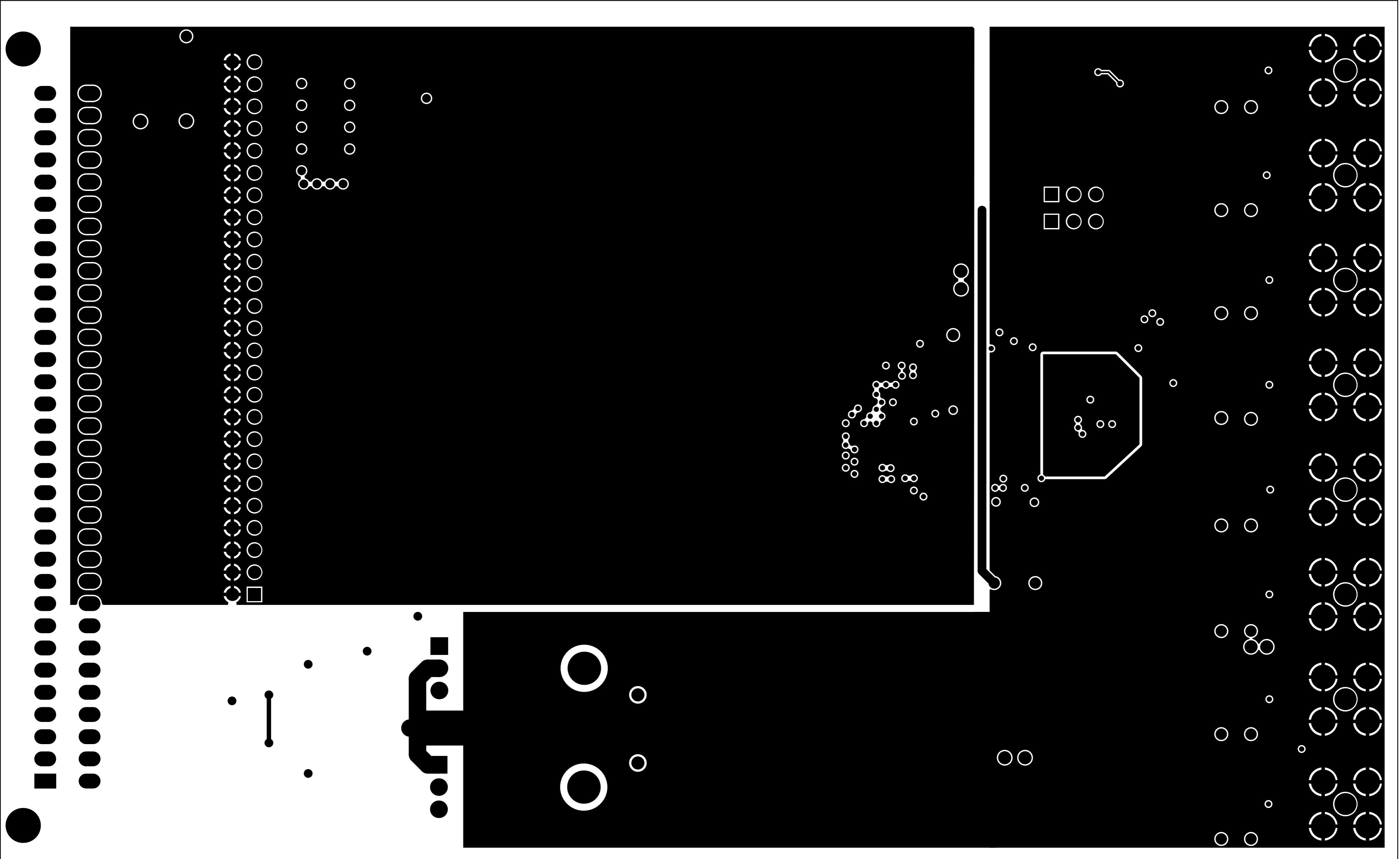


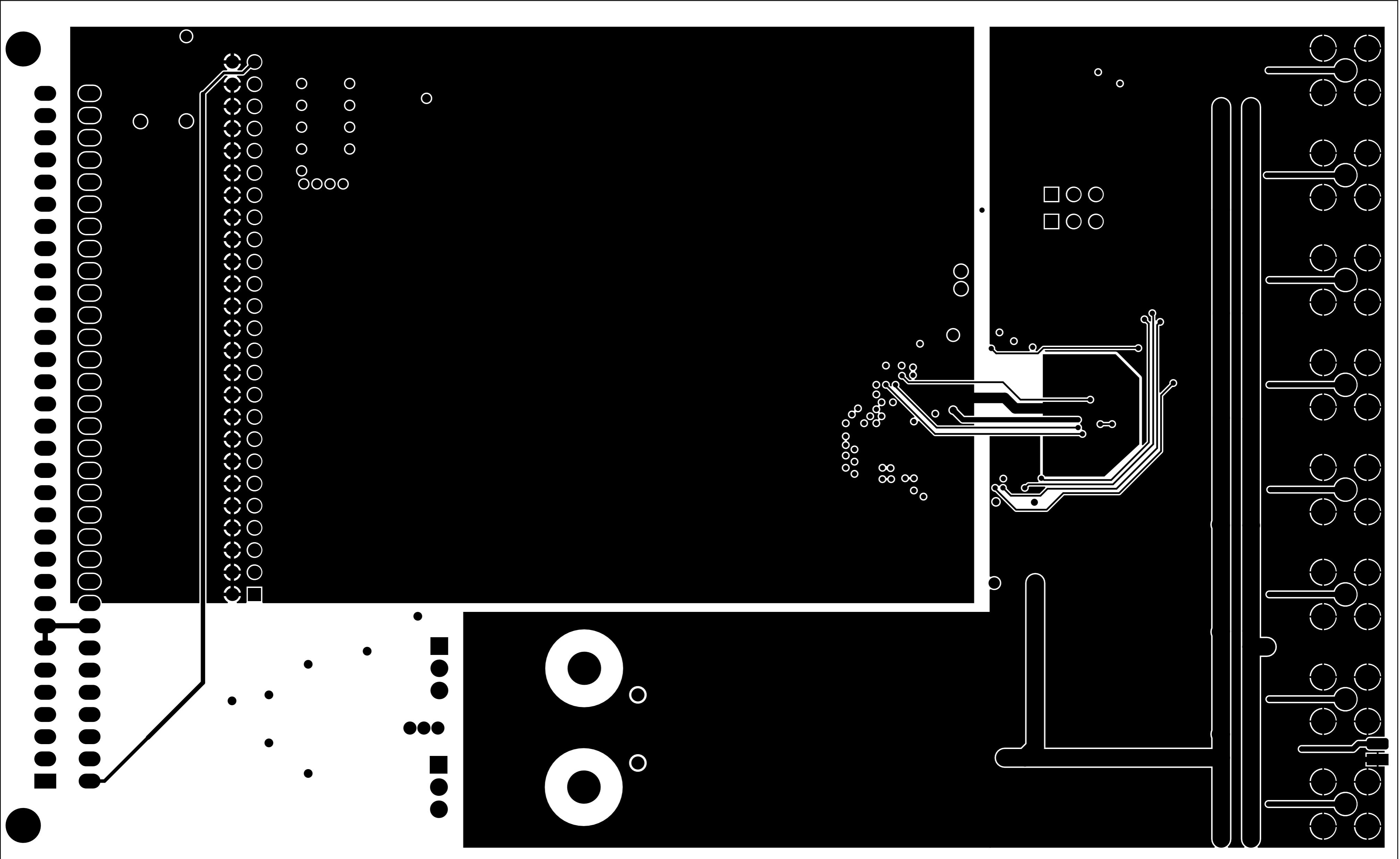
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E.W. Baaij	24-Aug-22
DAC8728 board - 8 channel 16b	V1.0
PCB Template: Eurocircuits 6C 4Layer	

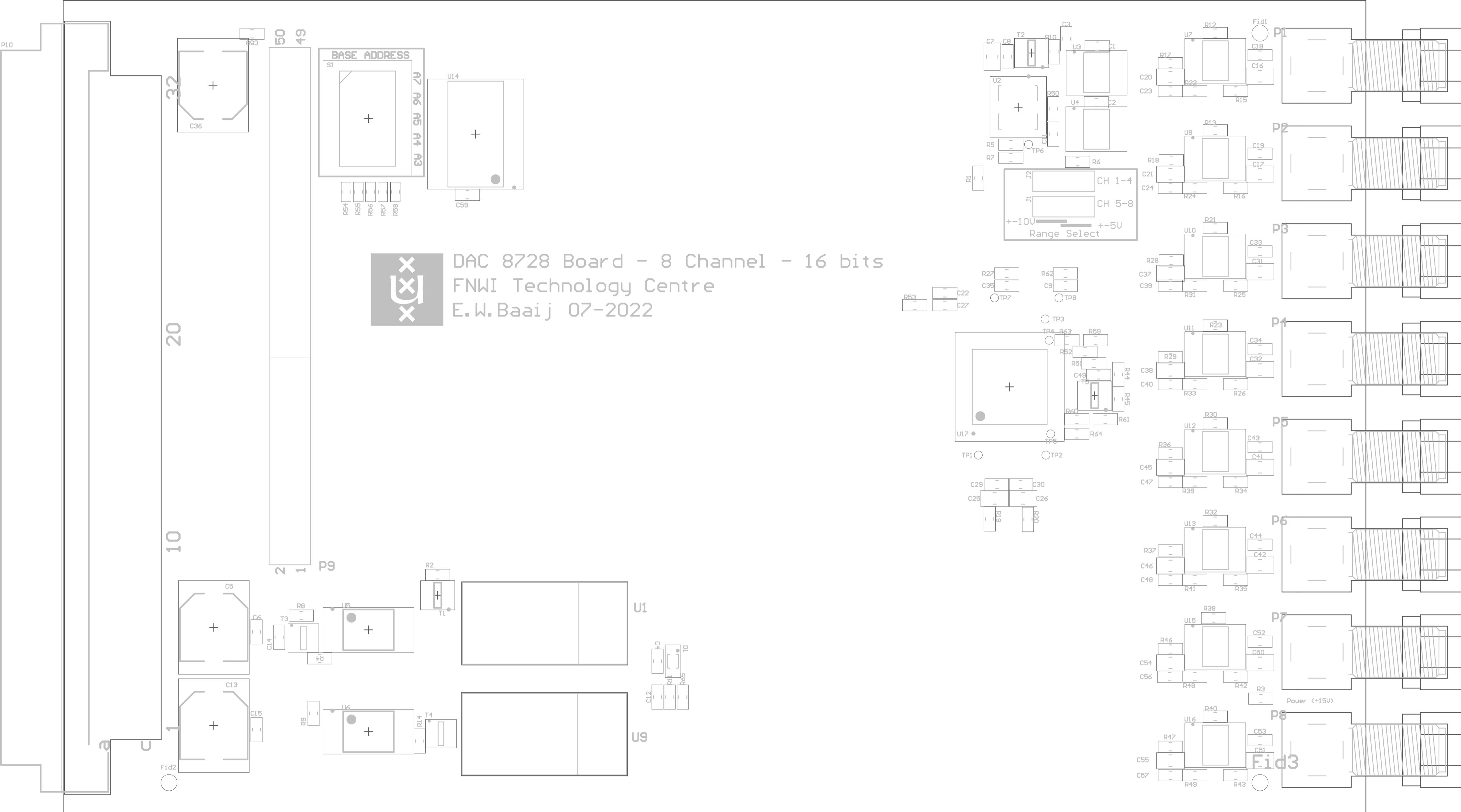
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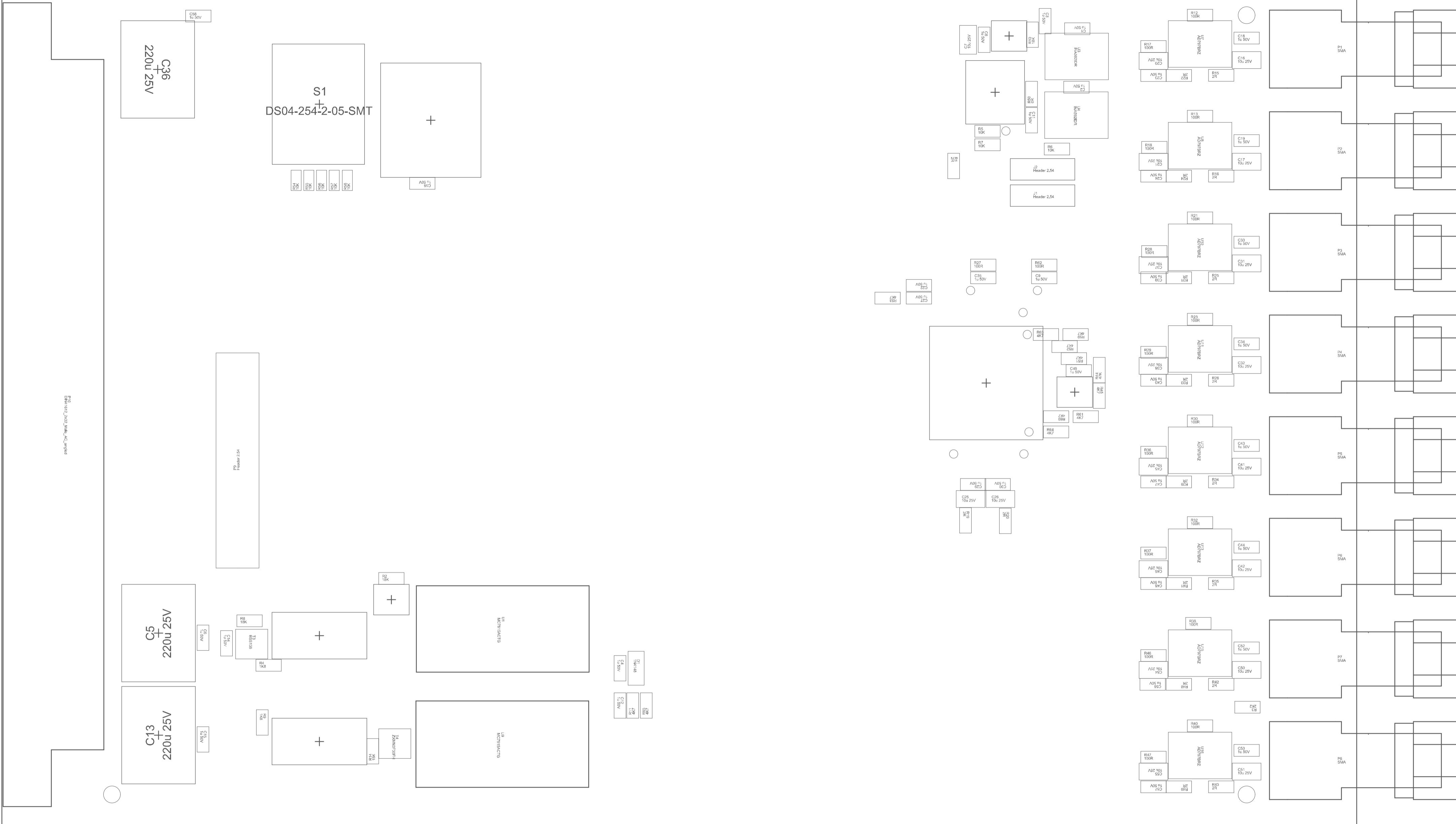




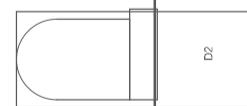
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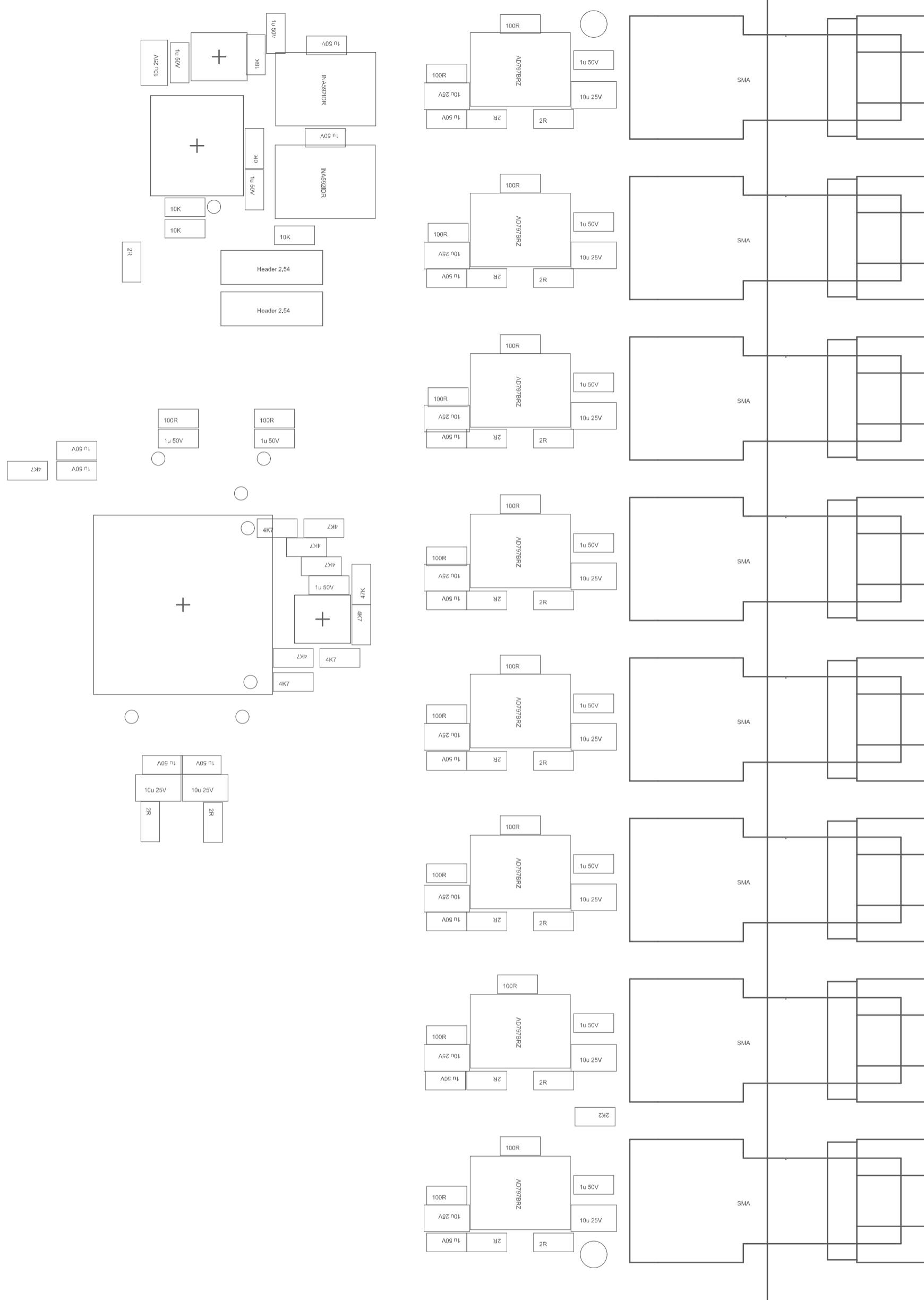
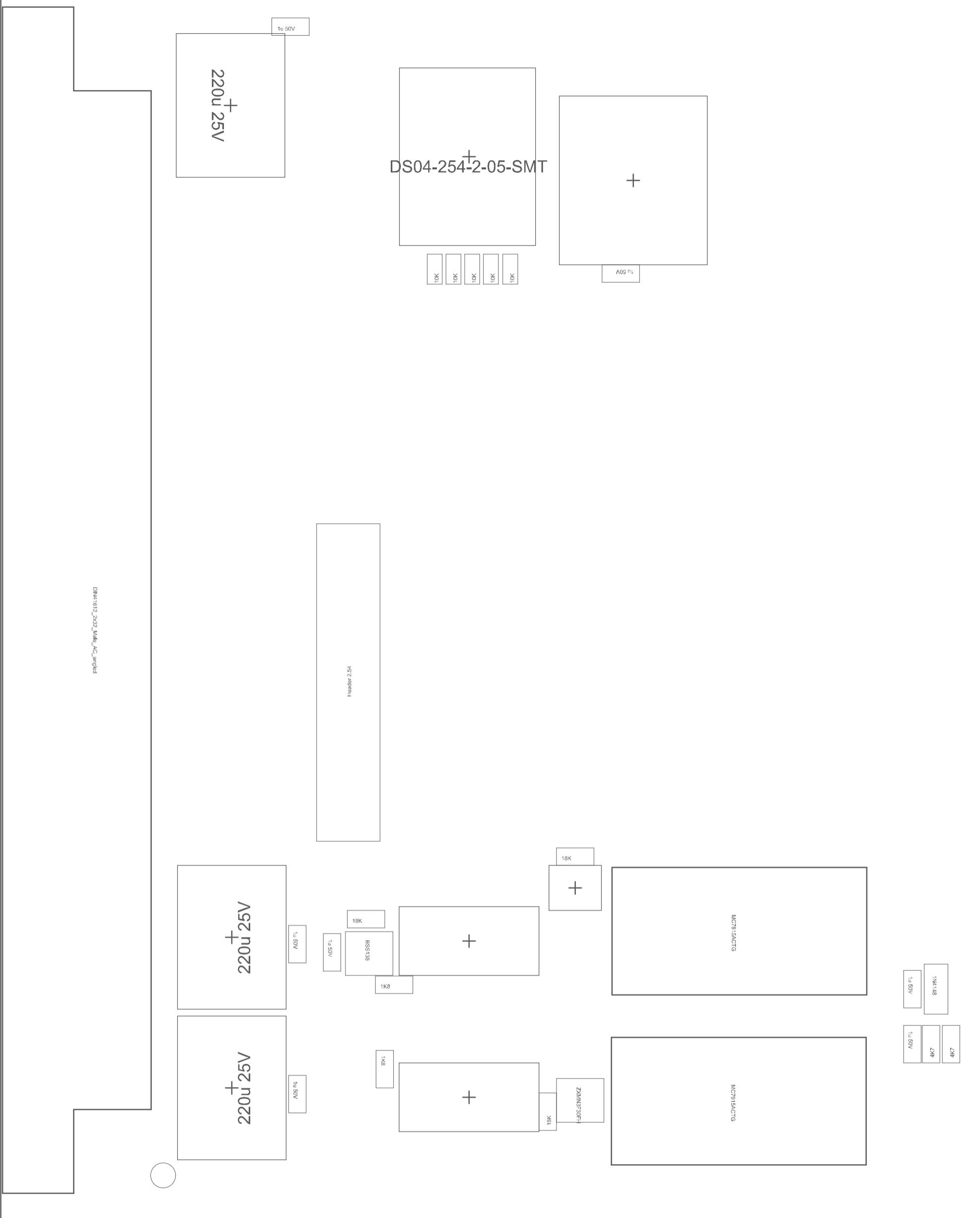
DIN41612_2x32_Male_AC_angled



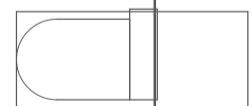
University of Amsterdam / Technology Centre	
E.W. Baaij	24-Aug-22
DAC8728 board - 8 channel 16b	V1.0
PCB Template: Eurocircuits 6C 4Layer	

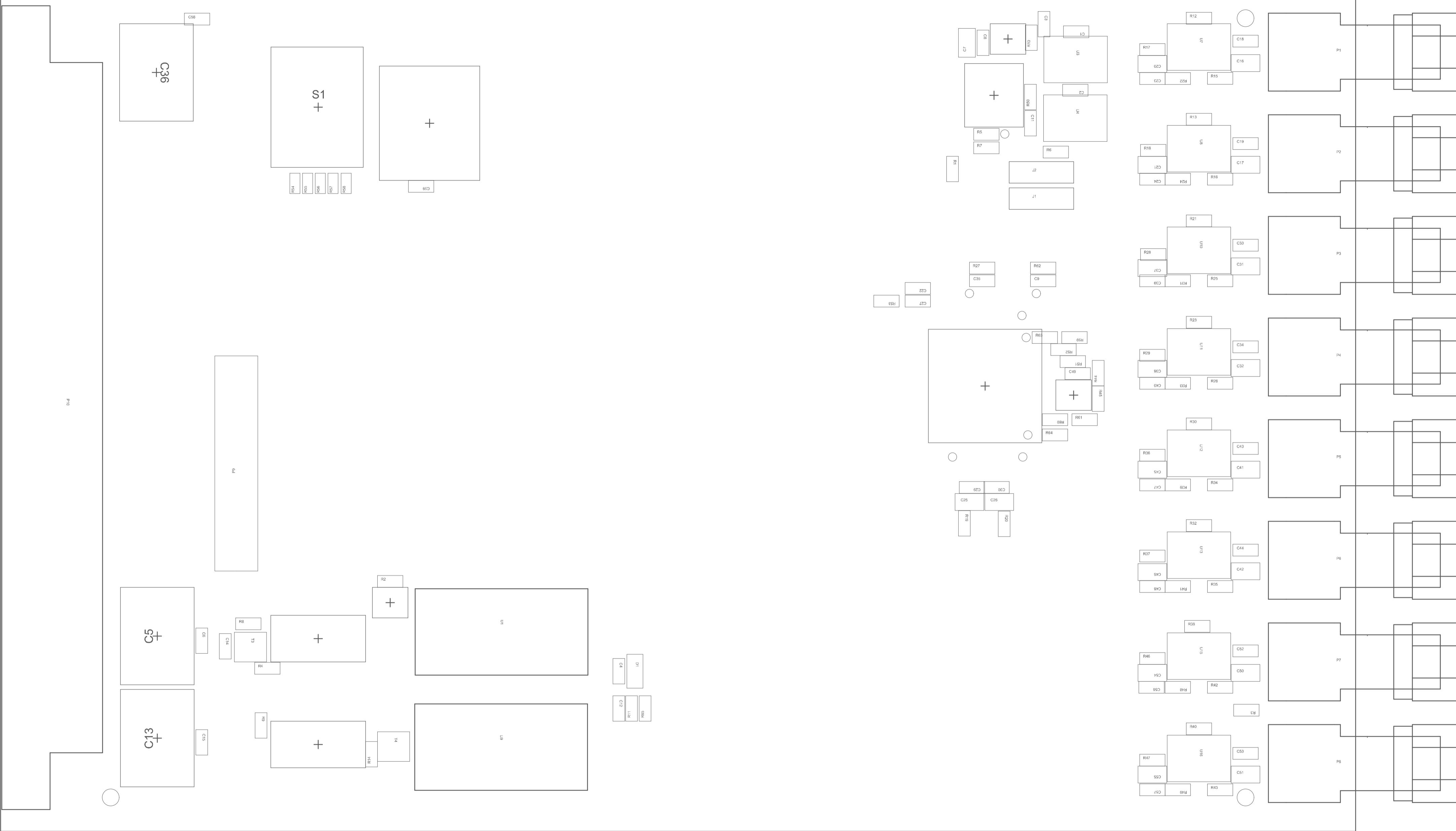


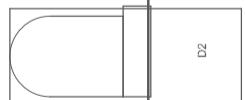
DIN41612_2x32_Male_AC_angled



University of Amsterdam / Technology Centre	
E.W. Baaij	24-Aug-22
DAC8728 board - 8 channel 16b	V1.0
PCB Template: Eurocircuits 6C 4Layer	







Supplier 1	Supplier Part Number 1	Quantity	Designator	MyComment	Footprint	Description	Manufacturer	Temperature Coefficient	Voltage - Rated
Digi-Key	DS04-254-2-05BK-SMT	1	S1	DS04-254-2-05-SMT	DS04-254-2-05-SMT	DIP Switch, 5 SPST, SMD	CUI Devices		
Farnell	9845330	1	T3	BSS138	SOT95P230X110-3N	N-Channel Logic Level Enhancement, 3R5	ON Semi		
Farnell	9330810	1	R3	2K2	res0603MD				
Farnell	9330720	4	R2, R8, R10, R14	18K	res0603MD				
Farnell	9330712	2	R4, R9	1K8	res0603MD				
Farnell	3605298	2	U5, U6	PS2501AL-1-F3-A	SOP254P960X380-4N	Optocoupler 1ch, Vceo=70V, Ic=30mA, CTR=200-400% @ 5mA	CEL		
Farnell	3133848	8	P1, P2, P3, P4, P5, P6, P7, P8	SMA	619540-1	SMA right angle through hole, 19mm, 50 Ohm	TE connectivity		
Farnell	3013383		C1, C2, C3, C4, C6, C8, C9, C11, C12, C14, C15, C18, C19, C22, C23, C24, 35C27, C29, C30, C33, C34, C35, C39, C40, C43, C44, C47, C48, C49, C52, C53, C56, C57, C58, C59	1u 50V	cap0603MD				
Farnell	2900296	3	T1, T2, T5	PMN50EPE	TSOP95P280X110-6N	P Channel, MOSFET, -30 V, -6A, 0.045 ohm, SOT457	NEXPERIA		
Farnell	2847228	1	P9	Header 2.54	Header254-2x25	Header 2.54p 2x25	Multicomp		
Farnell	2447743	9	R12, R13, R21, R23, R30, R32, R38, R40, R50	OR	res0603MD				
Farnell	2447385	11	R11, R45, R51, R52, R53, R59, R60, R61, R63, R64, R65	4K7	res0603MD				
Farnell	2447376	1	R44	47K	res0603MD				
Farnell	2447327	3	R1, R19, R20	2R	res0603MD				
Farnell	2447272	8	R17, R18, R28, R29, R36, R37, R46, R47	1K	res0603MD				
Farnell	2447233	16	R15, R16, R22, R24, R25, R26, R31, R33, R34, R35, R39, R41, R42, R43, R48, R49	10R	res0603MD				
Farnell	2446547	3	R5, R6, R7	10K	res0603MD				
Farnell	2446547	5	R54, R55, R56, R57, R58	10K	res0603HD				
Farnell	1735530	19	C7, C16, C17, C20, C21, C25, C26, C31, C32, C37, C38, C41, C42, C45, C46, C50, C51, C54, C55	10u 25V	cap0805MD				
Farnell	1583667	1	T4	ZXMN3F30FH	SOT95P230X110-3N	MOSFET Transistor, N Channel, 4.6 A, 30 V, 65 mohm, 4.5Vgs	ZETEX		
Farnell	1576263	2	R27, R62	100R	res0603MD				
Farnell	1466524	1	D1	1N4148	SOD2513X100N	Small Signal Diode, Single, 100V, 150 mA, 1V, 4 ns, 350 mA	Multicomp		
Farnell	1022248	2	J1, J2	Header 2.54	Header254-1x3	Header 2.54p 1x3			
ouser	595-OPA210IDT	8	U7, U8, U10, U11, U12, U13, U15, U16	OPA210IDT	SOIC127P600X175-8N	Ultralow Noise-drift, high precision, Low-Power, 36-V	Analog Devices		
Digi-Key	505-ADR4550DEZ-ND	1	U2	ADR4550DEZ	LCCS127P503X450X221-8M	Ultralow Noise, High Accuracy Voltage References	Analog Devices		
Digi-Key	399-18129-1-ND	3	C5, C13, C36	220u 25V	capAluSmD_d8H10mm	Cap Alu SMD d8H11, ±20%	Kemet		
Digi-Key	296-INA592IDRCT-ND	2	U3, U4	INA592IDR	SOIC127P600X175-8N	INA592 High-Precision, Wide-Bandwidth e-trim™ Difference Amplifier	Texas Instruments		
Digi-Key	296-25472-ND	1	U17	DAC8728SPAG	TSQFP50P1200X1200X105-64N	Octal, 16-Bit, Low-Power, High-Voltage Output, Parallel Input DAC	Texas Instruments		
Digi-Key		1	U1	MC7815ACTG	T0220-3_FLAT	Linear Voltage Regulator,Positive, Fixed, 35V In, 15V And 1A Out	OnSEMI		
Digi-Key		1	U9	MC7915ACTG	T0220-3_FLAT	Linear Voltage Regulator,Negative, Fixed, -35V In, -15V And 1A Out	OnSEMI		
Farnell		1	D2	3mm	LED_3MM_PCB_EDGE_SMD	Generic 3mm LED Footprint PCB Edge SMD Pads			
Farnell		1	Graph1	UvA Logo	UvA_Logo	University of Amsterdam Logo			
Farnell		1	P10	DIN41612_2x32_Male_AC_angled	DIN41612_2x32_Male_AC_angle_d	DIN41612_2x32_Male_AC_angled	Hartman		
Farnell		1	U14	SN74HC688PWR2	SOIC127P1030X265-20N	8-Bit Identity Comparators	Texas Instruments		
Farnell		3	Fid1, Fid2, Fid3	Fiducial	fiducial	Fiducial			