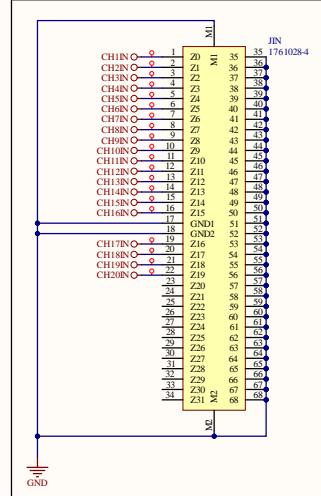
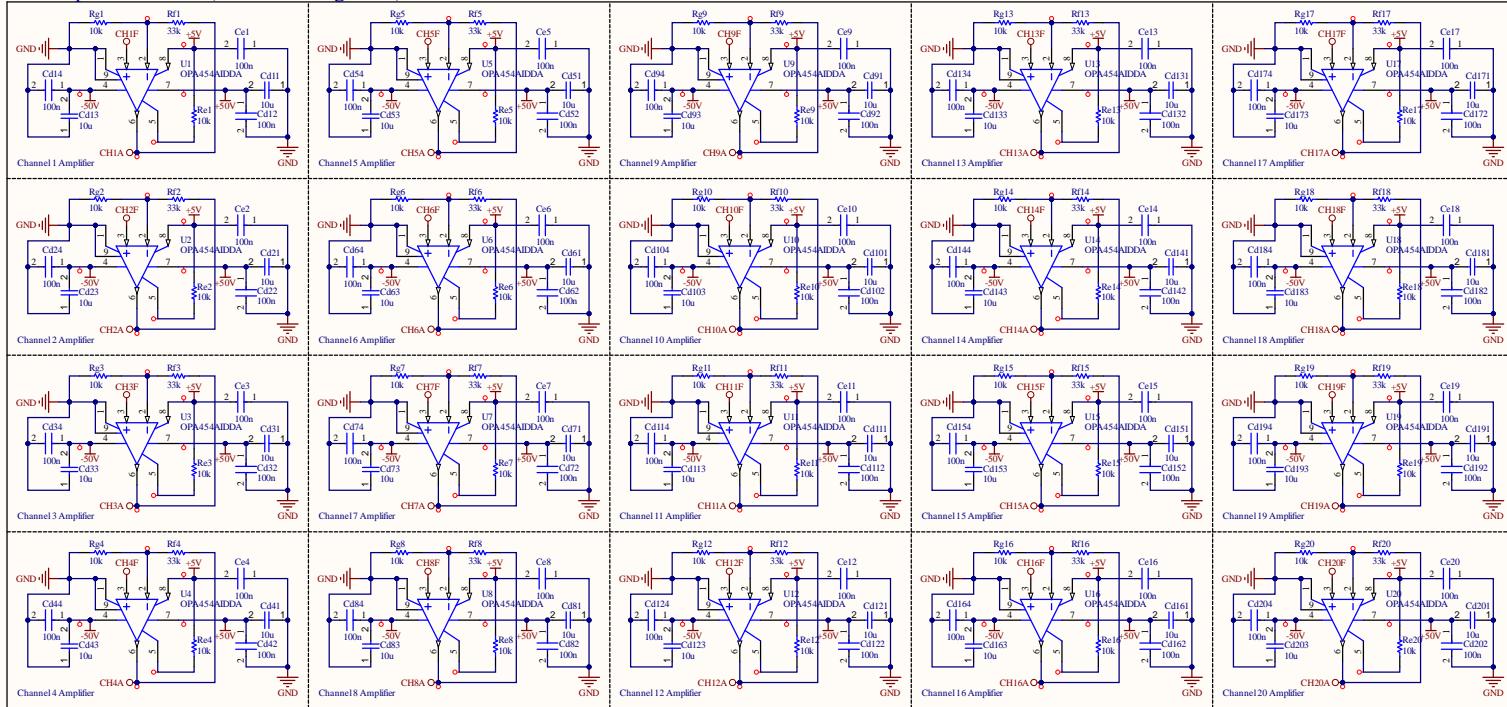


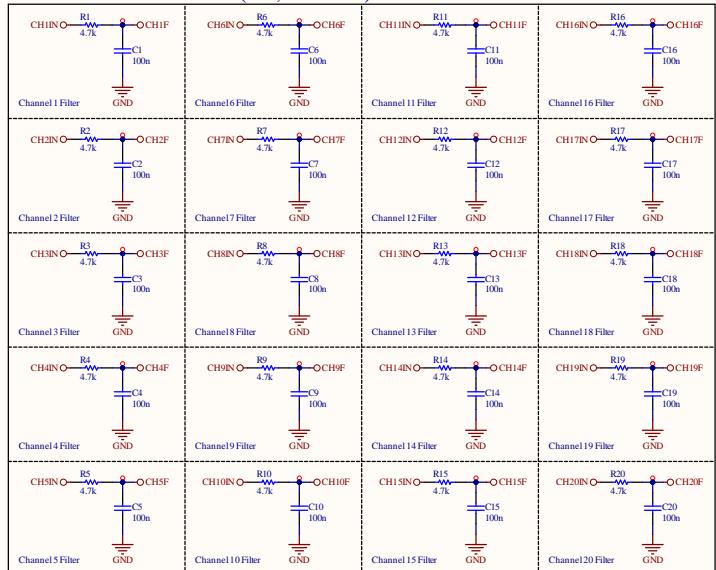
### DC Signal Feedthrough Section



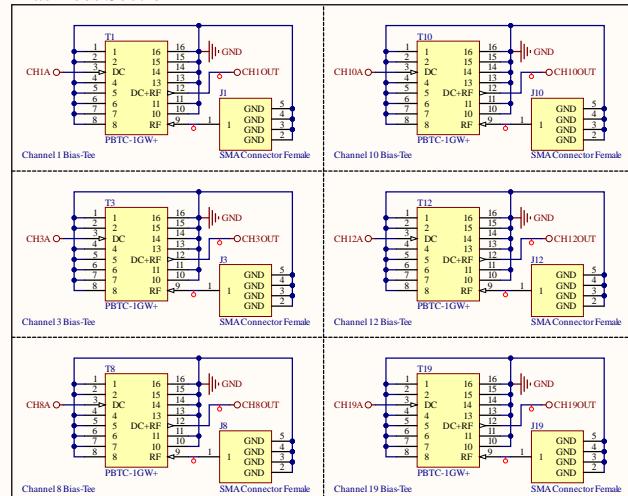
### DC Amplifier Section (Non-inverting, 4.3x)



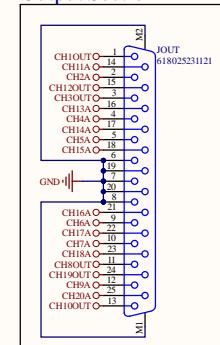
### Low-Pass Filters Section (RC, 338.6Hz)



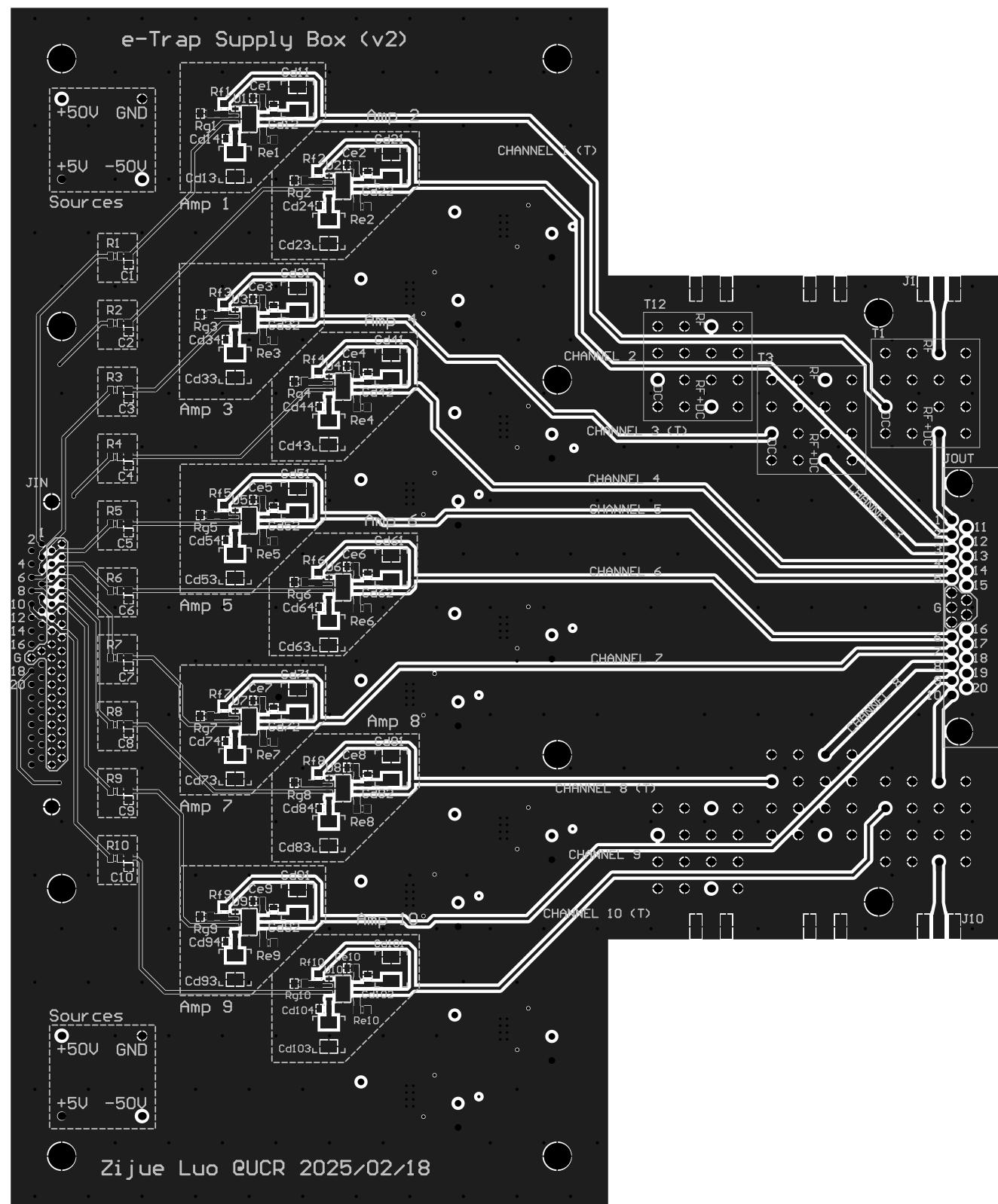
### Bias-Tees Section

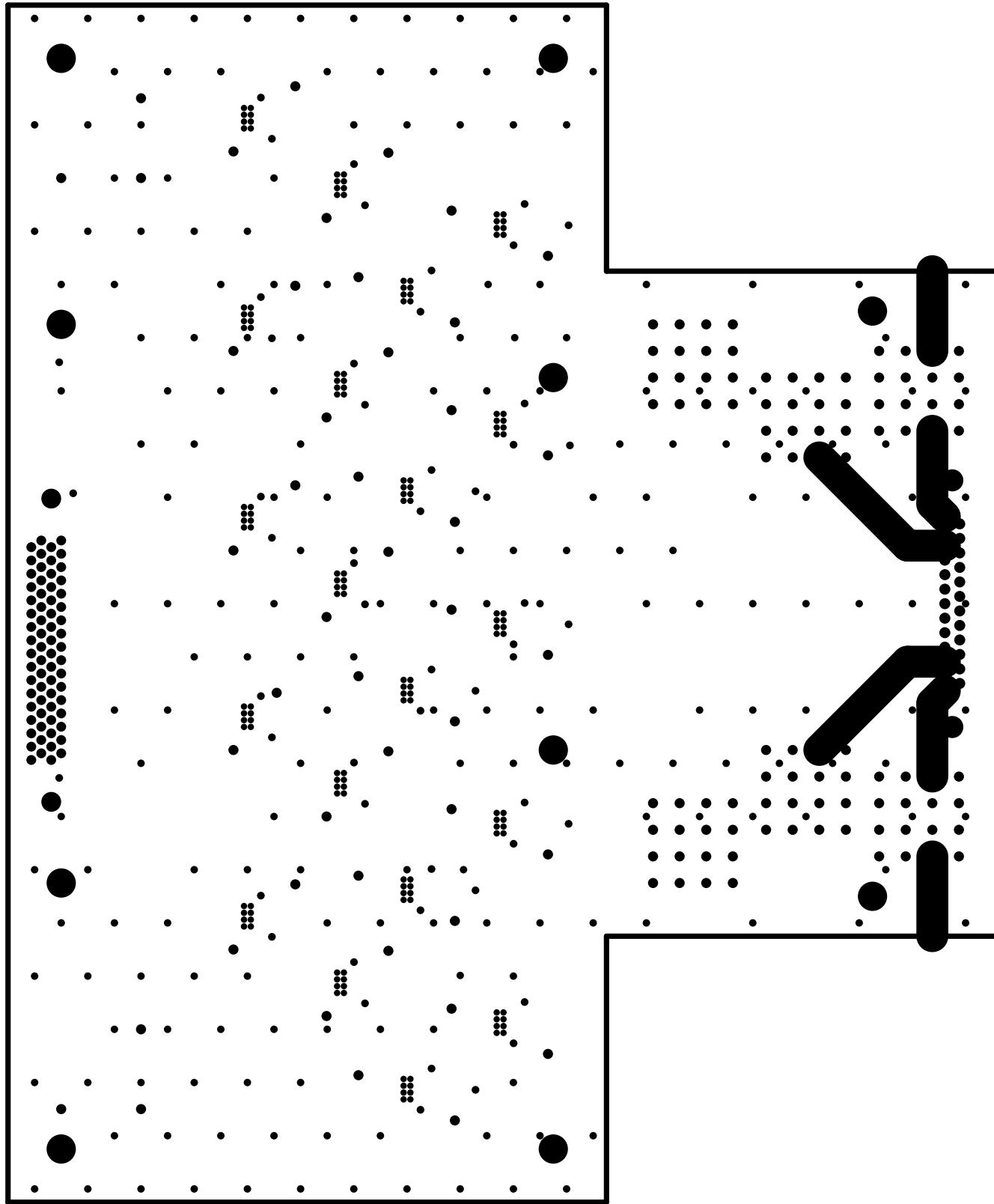


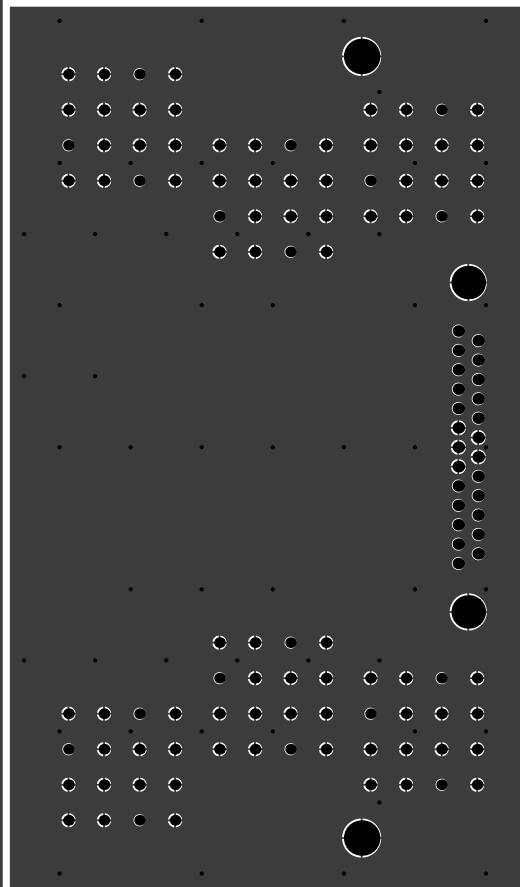
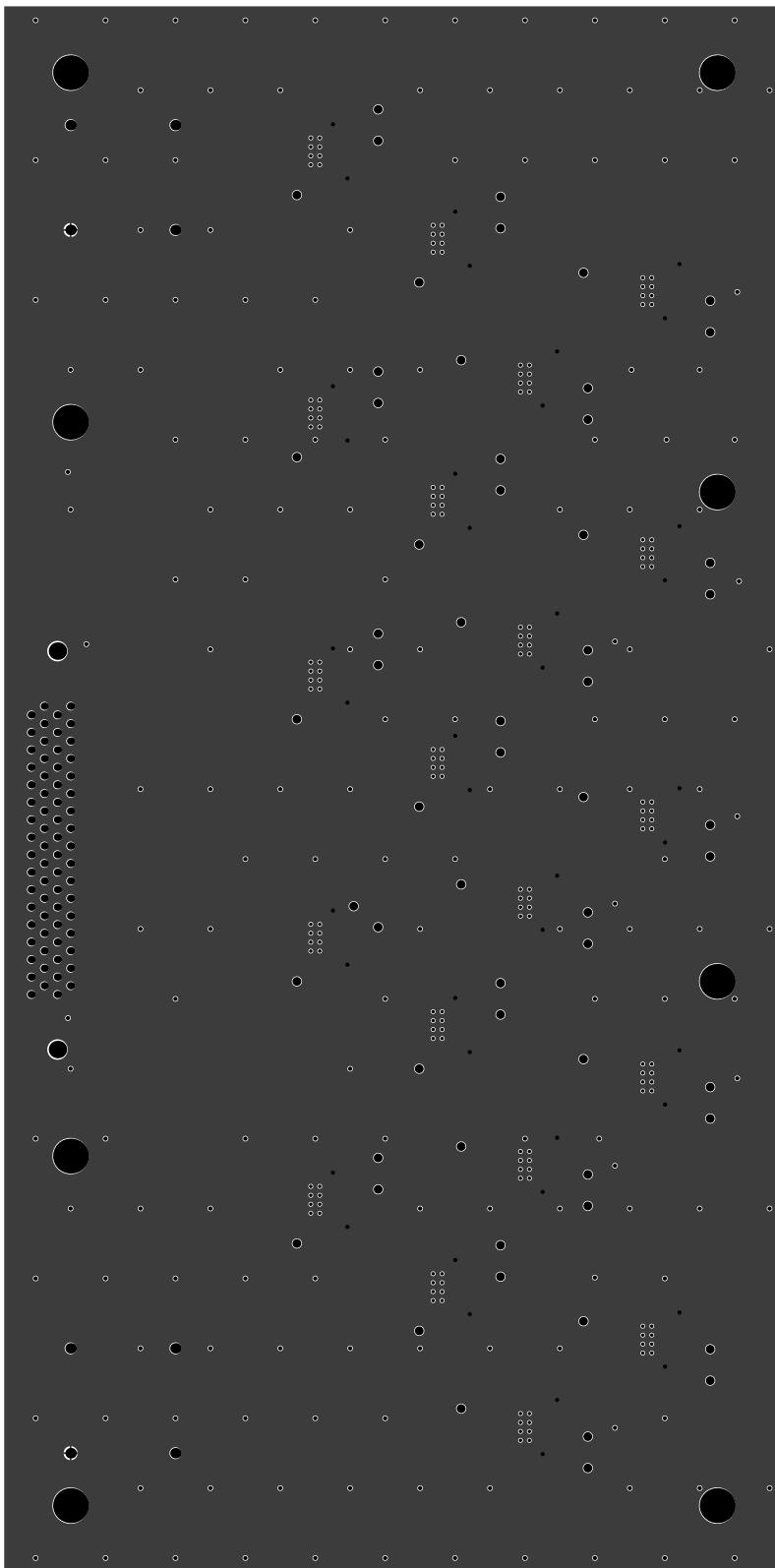
### Output Section

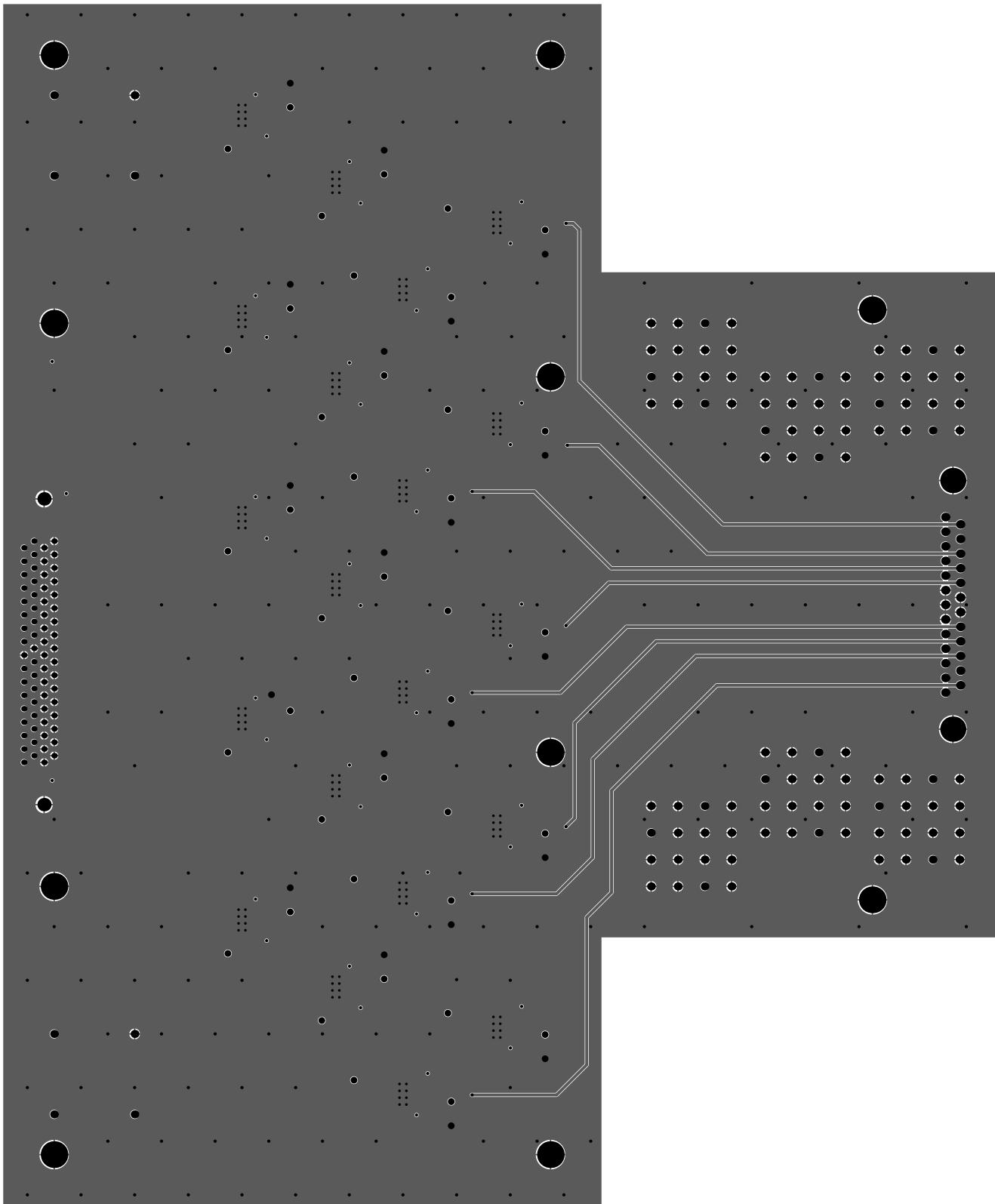


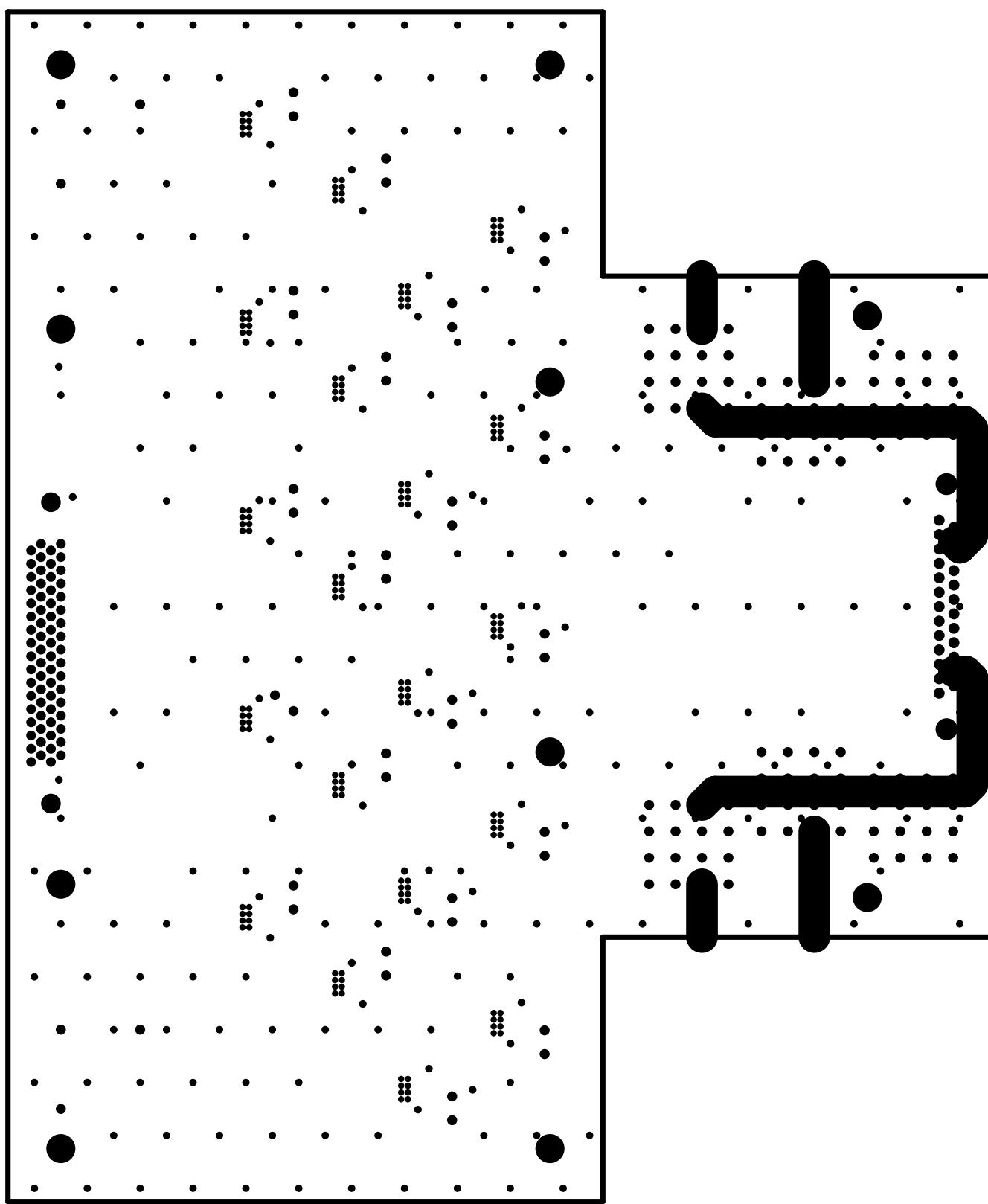
Title		
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Date:	3/03/2025	Sheet of
File:	C:\Users...\SupplyBox_v3.SchDoc	Drawn By:

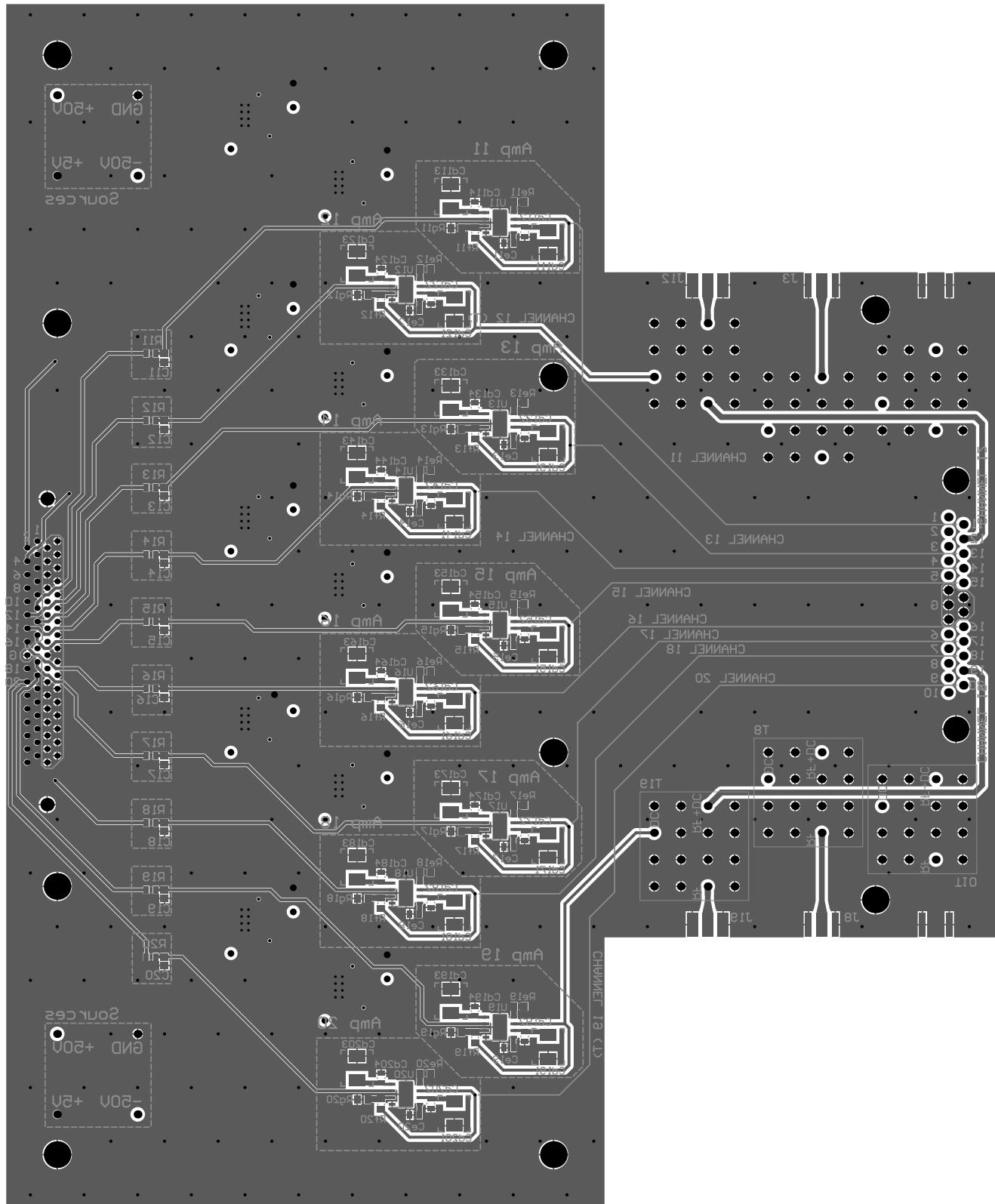


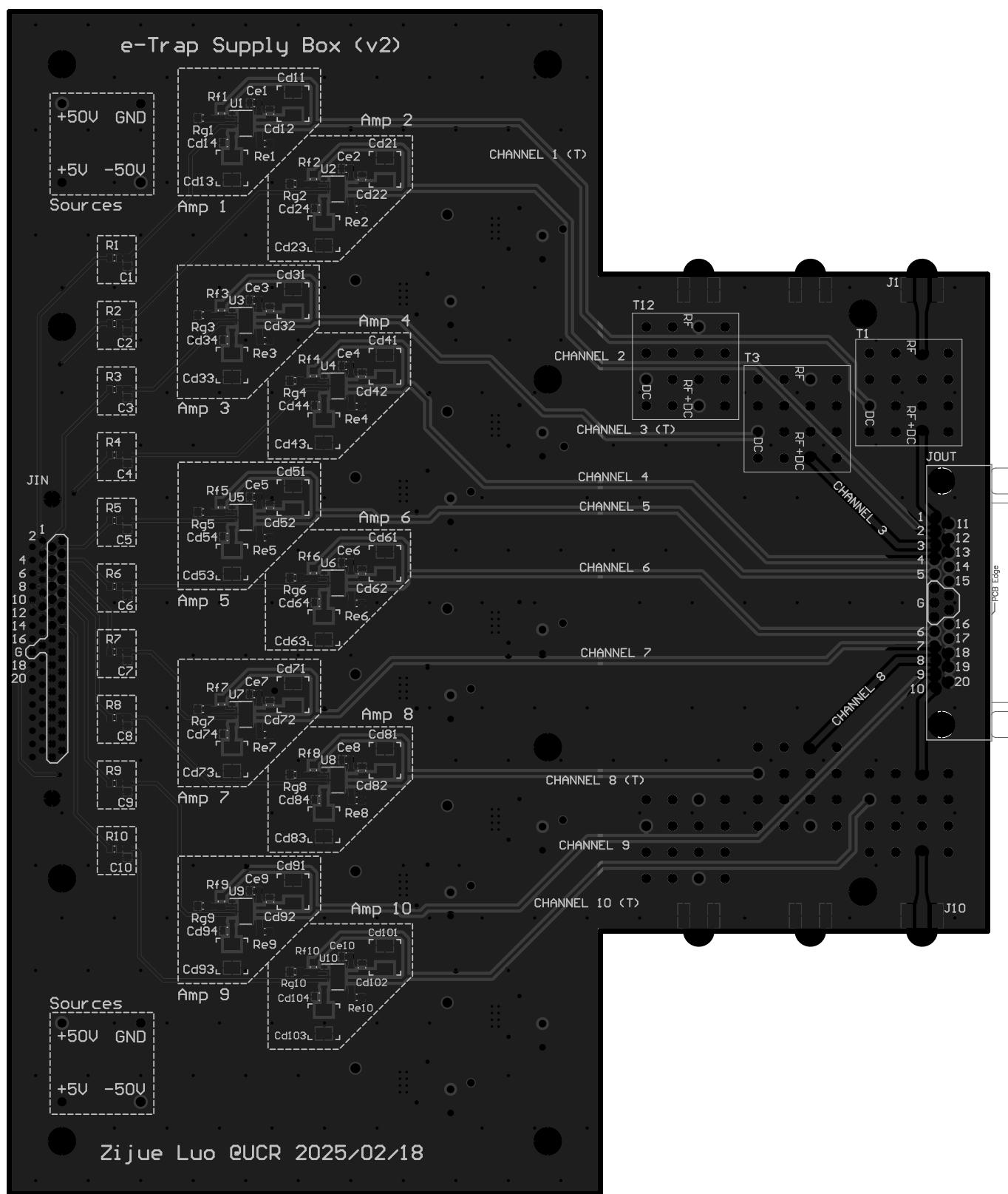












Comment	Description	Designator	Footprint	LibRef	Quantity
100n		C1, C2, C3, C4, C5, C6, C7, C8, C9, C10, C11, C12, C13, C14, C15, C16, C17, C18, C19, C20	CAPC2013X145X48NL 20T23	CMP-2007-03167-1	20
10u	Aluminum Electrolytic Capacitor, Polarized, Aluminum (solid Polymer), 50V, 20% +Tol, 20% -Tol, 10uF, Surface Mount, 2121	Cd11, Cd13, Cd21, Cd23, Cd31, Cd33, Cd41, Cd43, Cd51, Cd53, Cd61, Cd63, Cd71, Cd73, Cd81, Cd83, Cd91, Cd93, Cd101, Cd103, Cd111, Cd113, Cd121, Cd123, Cd131, Cd133, Cd141, Cd143, Cd151, Cd153, Cd161, Cd163, Cd171, Cd173, Cd181, Cd183, Cd191, Cd193, Cd201, Cd203	RAHV1100M1UCC800 2E-Footprint-1	CMP-001-00083-1	40
100n	CAP CER 0.1uF 25V X7R 0805	Cd12, Cd14, Cd22, Cd24, Cd32, Cd34, Cd42, Cd44, Cd52, Cd54, Cd62, Cd64, Cd72, Cd74, Cd82, Cd84, Cd92, Cd94, Cd102, Cd104, Cd112, Cd114, Cd122, Cd124, Cd132, Cd134, Cd142, Cd144, Cd152, Cd154, Cd162, Cd164, Cd172, Cd174, Cd182, Cd184, Cd192, Cd194, Cd202, Cd204, Ce1, Ce2, Ce3, Ce4, Ce5, Ce6, Ce7, Ce8, Ce9, Ce10, Ce11, Ce12, Ce13, Ce14, Ce15, Ce16, Ce17, Ce18, Ce19, Ce20	FP-CC0805-0_85-MFG	CMP-1036-04410-2	60
SMA Connector Female	Our smaller SMA Female Connector purchased from amazon.com	J1, J3, J8, J10, J12, J19	SMA_Smaller	CMP-002-00072-1	6
1761028-4	Telecom and Datacom Connector, 68 Contact(s), Female, Right Angle, Solder Terminal, #2-56, Receptacle	JIN	1761028-4-Footprint-1	CMP-002-00071-1	1
618025231121		JOUT	618025231121	CMP-1502-00202-2	1
4.7k	Chip Resistor, 47 KOhm, +/- 1%, 0.125 W, -55 to 155 degC, 0805 (2012 Metric), RoHS, Tape and Reel	R1, R2, R3, R4, R5, R6, R7, R8, R9, R10, R11, R12, R13, R14, R15, R16, R17, R18, R19, R20	RES2013X60X35NL1 0T20	CMP-1659-00011-4	20
10k	Chip Resistor, 1 KOhm, +/- 1%, 125 mW, .55 to 155 degC, 0805 (2012 Metric), RoHS, Tape and Reel	Re1, Re2, Re3, Re4, Re5, Re6, Re7, Re8, Re9, Re10, Re11, Re12, Re13, Re14, Re15, Re16, Re17, Re18, Re19, Re20, Rg1, Rg2, Rg3, Rg4, Rg5, Rg6, Rg7, Rg8, Rg9, Rg10, Rg11, Rg12, Rg13, Rg14, Rg15, Rg16, Rg17, Rg18, Rg19, Rg20	RES2013X60X35ML1 0T20	CMP-2100-03671-1	40
33k	Chip Resistor, 3.3 KOhm, +/- 1%, 0.125 W, -55 to 155 degC, 0805 (2012 Metric), RoHS, Tape and Reel	Rf1, Rf2, Rf3, Rf4, Rf5, Rf6, Rf7, Rf8, Rf9, Rf10, Rf11, Rf12, Rf13, Rf14, Rf15, Rf16, Rf17, Rf18, Rf19, Rf20	RES2013X60X35ML1 0T20	CMP-1013-00567-2	20
PBTC-1GW+	Mini-Circuit Bias-Tee (Version 2)	T1, T3, T8, T10, T12, T19	PBTC-1GW+	CMP-00025-00004-1	6
	High Voltage (100V), High-Current (50mA) Operational Amplifier, G=1 Stable, 10 to 100 V, -55 to 125 degC, 8-pin SOP (DDA8), Green (RoHS & no Sb/Br)	U1, U2, U3, U4, U5, U6, U7, U8, U9, U10, U11, U12, U13, U14, U15, U16, U17, U18, U19, U20	DDA0008C_L	CMP-0017-00714-2	20