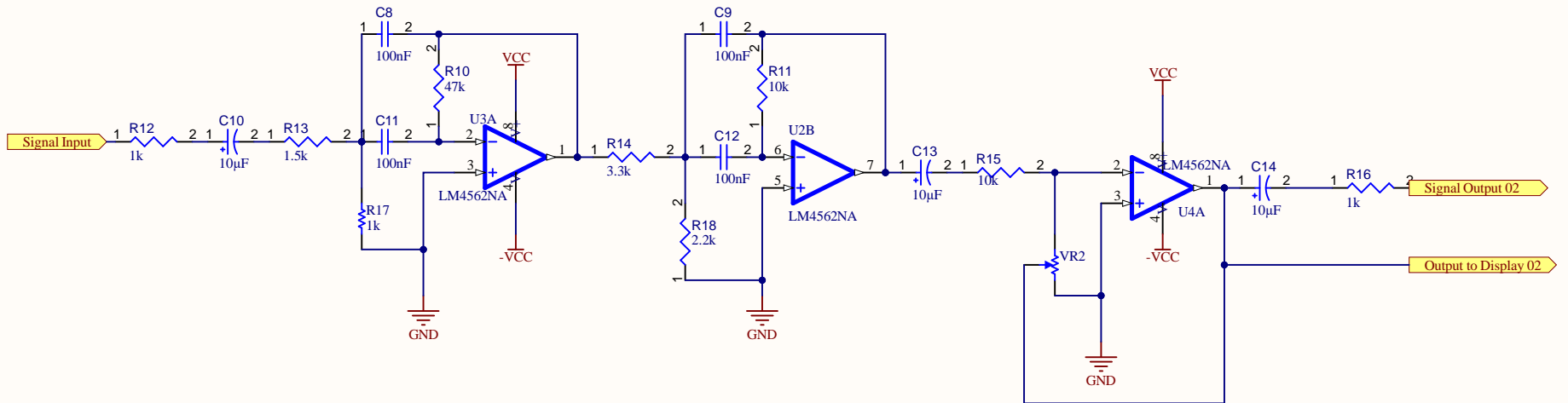
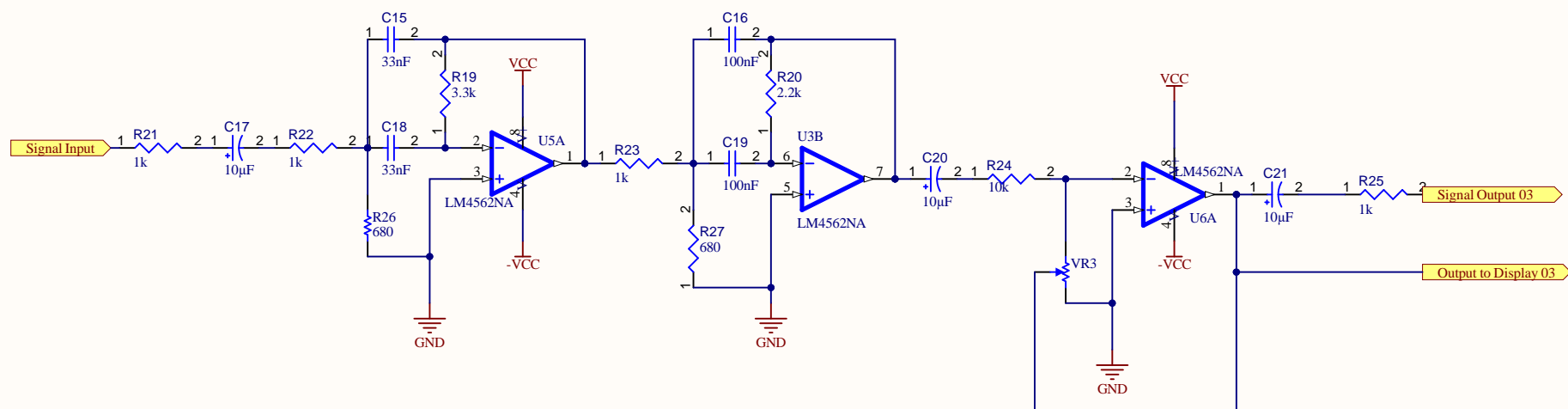


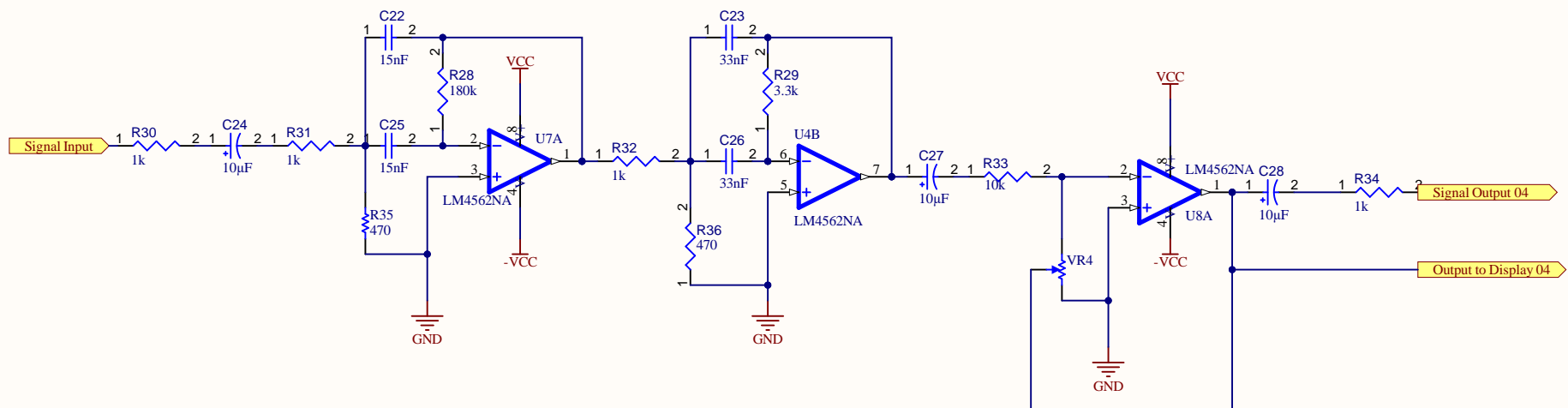
Title		
Five Band Equalizer		
Size A4	Number 02 First Band Filter	Revision Version 2
Date:	3/14/2025	Sheet 2 of 9
File:	D:\Semester 04\.\First Band filter.SchDoc Drawn By: Jayathissa M.P.N.V.	



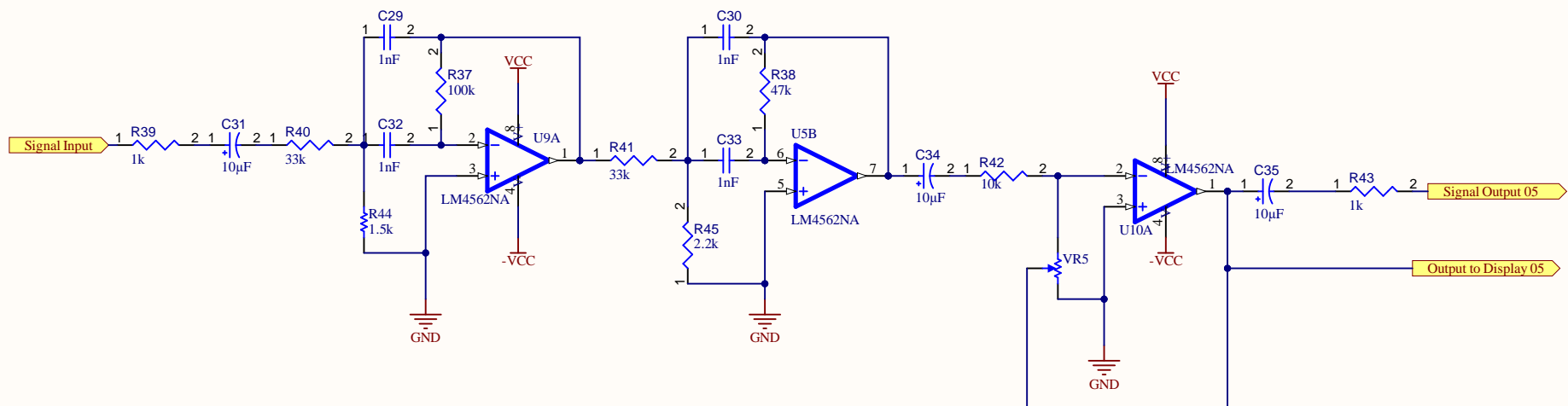
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Five Band Equalizer			
Size	Number	Revision	
A4	03 Second Band Filter	Version 2	
Date:	3/14/2025	Sheet 3 of 9	
File:	D:\Semester 04\...\Second Band Filter.Sch	Drawn By: Jayathissa M.P.N.V.	



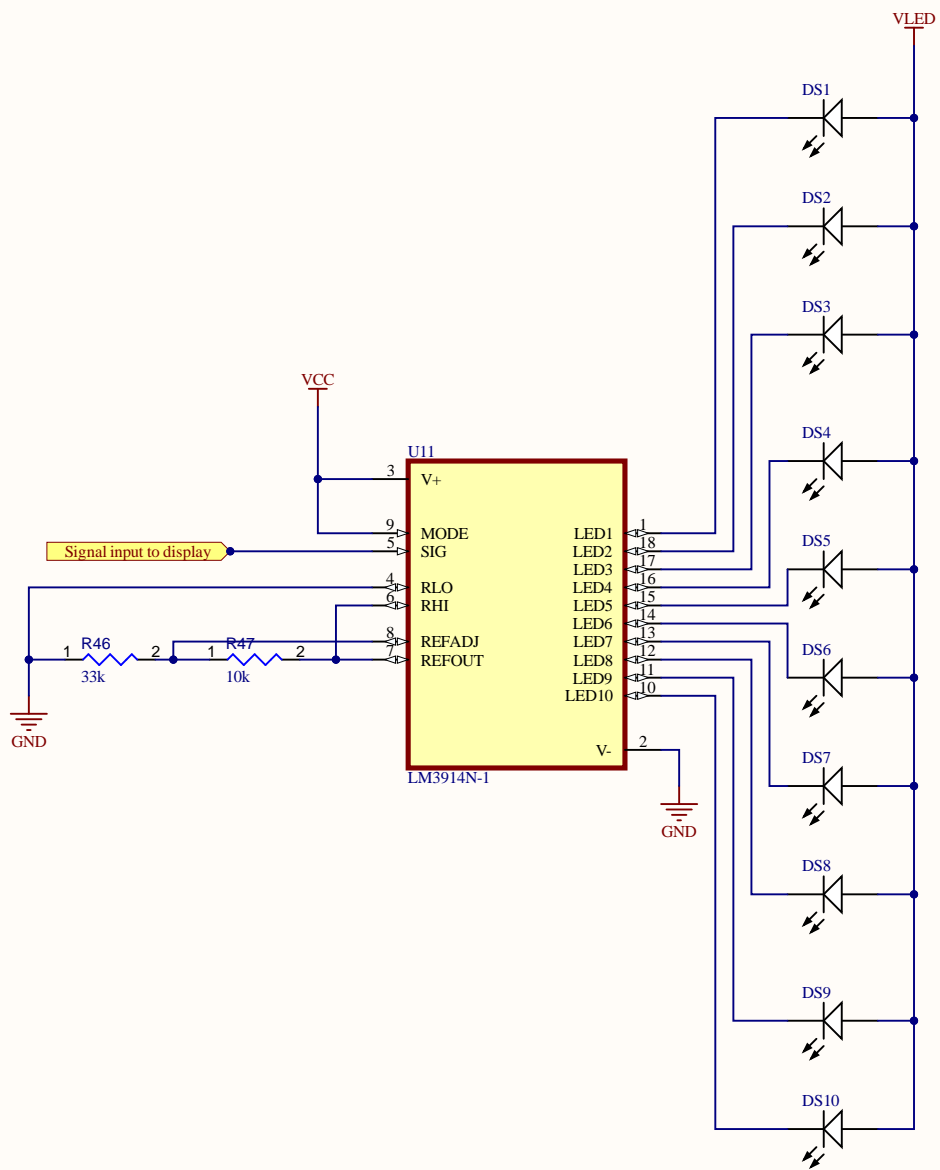
Title			
Five Band Equalizer			
Size	Number		Revision
A4	04 Third Band Filter		Version 2
Date:	3/14/2025		Sheet 4 of 9
File:	D:\Semester 04\Third Band Filter.SchDoc Drawn By: Jayathissa M.P.N.V.		



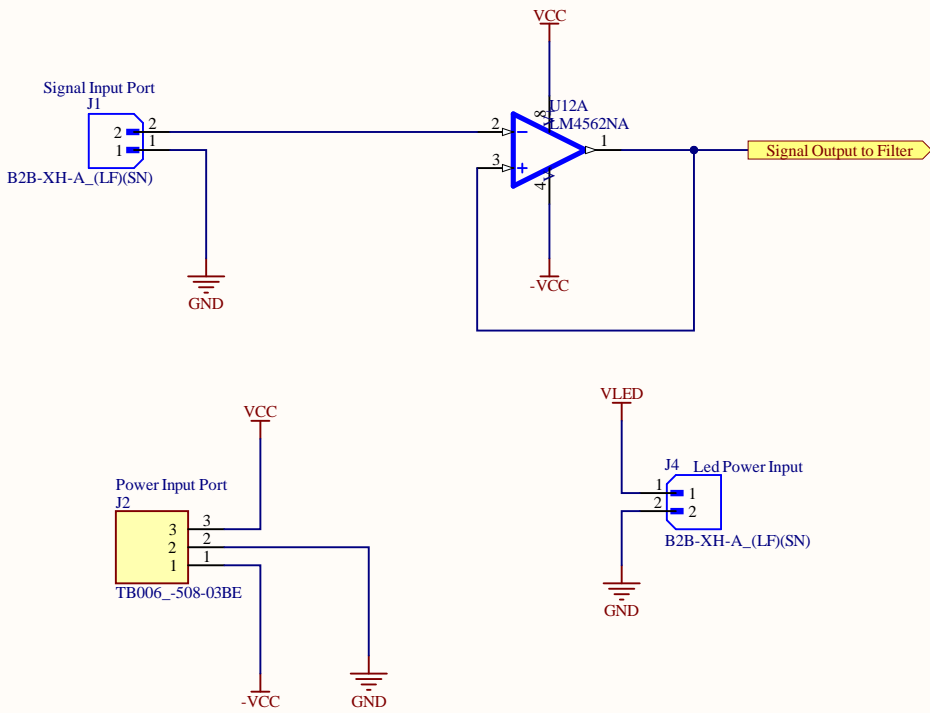
Title			
Five Band Equalizer			
Size	Number	Revision	
A4	05 Fourth Band Filter	Version 2	
Date:	3/14/2025	Sheet 5 of 9	
File:	D:\Semester 04\...\Fourth Band Filter.Sch	Drawn By: Jayathissa M.P.N.V.	



Title		
Five Band Equalizer		
Size	Number	Revision
A4	06 Fifth Band Filter	Version 2
Date:	3/14/2025	Sheet 6 of 9
File:	D:\Semester 04\.\Fifth Band Filter.SchDoc Drawn By: Jayathissa M.P.N.V.	

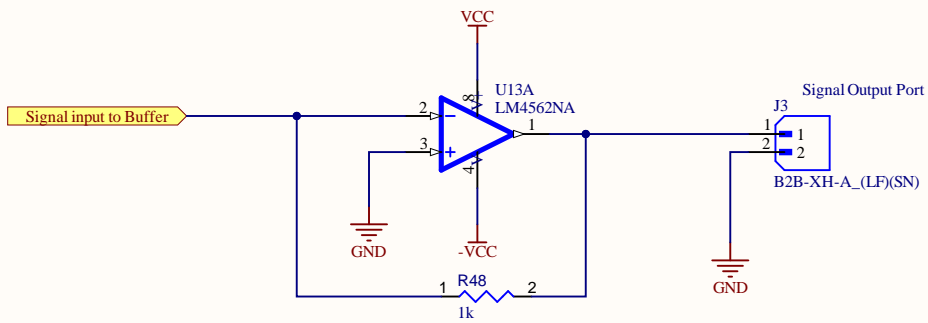


Title			Five Band Equalizer	
Size	Number	07 Display		Revision
A4				Version 2
Date:	3/14/2025		Sheet 7 of 9	
File:	D:\Semester 04\.\Display.SchDoc		Drawn By: Jayathissa M.P.N.V.	



Title			Five Band Equilizer	
Size	Number	08 Input Buffer		Revision
A4				Version 2
Date:	3/14/2025		Sheet 8 of 9	
File:	D:\Semester 04\...\Input Buffer.SchDoc		Drawn By: Jayathissa M.P.N.V.	





Title			
Five Band Equilizer			
Size	Number	Revision	
A4	09 Output Buffer	Version 2	
Date:	3/14/2025	Sheet9 of 9	
File:	D:\Semester 04\...\Output Buffer.SchDoc	Drawn By: Jayathissa M.P.N.V.	

Line #	Name	Description	Designator	Revision ID	Revision State	Revision Status	Quantity	Manufacturer 1	Manufacturer Part Number 1	Manufacturer Lifecycle 1	Supplier 1	Supplier Part Number 1	Supplier Unit Price 1	Supplier Subtotal 1
	TB006_-508-03BE	2-24 Poles, Screw Type, Horizontal, 5.08 Pitch, 26-14 (AWG), Terminal Block Connector	J2	CMP-002-00071-1	Draft	Up to date	1							
	Capacitor 6.8 nF +/- 10% 16 V 0402	Chip Capacitor, 6.8 nF, +/- 10%, 16 V, 0402 (1005 Metric)	C1, C4, C8, C11, C15, C18, C22, C25, C29, C32	CMP-001-00000-6	Draft	Up to date	10	Yageo	CC0402R0707BB682	Volume Production	Mouser	603-CC402R0707BB682	0.015	0.15
	Capacitor 22nF +/- 20% 10V 0402	Chip Capacitor, 22nF +/- 20%, 10V, 0402, Thickness 0.6 mm	C2, C5, C9, C12, C16, C19, C23, C26, C30, C33	CMP-001-00062-3	Draft	Up to date	10	HEMET	C0402C223K6RACTU	Volume Production	Newark	96Y6897	0.024	0.24
	16-219A/T2D-AR2THQV3T	Chip LED, White, 5 V, 10 mA, 30 mW, -40 to 85 degC, 2-Pin SMD (0402), RoHS, Tape and Reel	DS1_U_Display1, DS1_U_Display2, DS1_U_Display3, DS1_U_Display4, DS1_U_Display5, DS2_U_Display1, DS2_U_Display2, DS2_U_Display3, DS2_U_Display4, DS2_U_Display5, DS3_U_Display1, DS3_U_Display2, DS3_U_Display3, DS3_U_Display4, DS3_U_Display5, DS4_U_Display1, DS4_U_Display2, DS4_U_Display3, DS4_U_Display4, DS4_U_Display5, DS5_U_Display1, DS5_U_Display2, DS5_U_Display3, DS5_U_Display4, DS5_U_Display5, DS6_U_Display1, DS6_U_Display2, DS6_U_Display3, DS6_U_Display4, DS6_U_Display5	CMP-007-00000-2	Draft	Up to date	50	Eierlight	16-219A/T2D-AR2THQV3T	Volume Production	Mouser	638-16219AT2DAR2THQV	0.312	15.6
	Resistor 1k +/-1% 0603 100 mW	Chip Resistor, 1 kOhms, +/-1%, 0.1 W, -55 to 155 degC, 0603 (1608 Metric)	R48	CMP-009-00014-5	Draft	Up to date	1	Yageo	RC0603FR-131HL	Volume Production	Farnell	4560027	0.00816	0.08163
	Resistor 1K +/-5% 0805 125 mW	Chip Resistor, 1 kOhms, +/-5%, 125 mW, -55 to 155 degC, 0805	R3, R7, R12, R16, R21, R25, R30, R34, R39, R43	CMP-009-00118-3	Draft	Up to date	10	Yageo	RC0805JR-071HL	Volume Production	Newark	68R0253	0.005	0.05
	Resistor 10K +/-1% 0402 63 mW	Chip Resistor, 10 kOhms, +/-1%, 63 mW, -55 to 125 degC, 0402	R6, R15, R24, R33, R42, R47_U_Display1, R47_U_Display2, R47_U_Display3, R47_U_Display4, R47_U_Display5	CMP-009-00149-3	Draft	Up to date	10	Vishay/Dale	CRCW040210K0FREE	Volume Production	Newark	65AC3345	0.005	0.05
	Resistor 15k +/-1% 0402 63 mW	Chip Resistor, 15 kOhms, +/-1%, 0.063 W, -55 to 155 degC, 0402 (1005 Metric)	R5, R9, R14, R18, R23, R27, R32, R36, R41, R45	CMP-009-00026-5	Draft	Up to date	10	Yageo	RC0402FR-0715HL	Volume Production	Digikey	311-15.0LUCTFND	0.008	0.08
	Resistor 33k +/-5% 0402 63 mW	Chip Resistor, 33 kOhms, +/-5%, 0.063 W, -55 to 155 degC, 0402 (1005 Metric)	R46_U_Display1, R46_U_Display2, R46_U_Display3, R46_U_Display4, R46_U_Display5	CMP-009-00028-5	Draft	Up to date	5	Yageo	RC0402JR-0733HL	Volume Production	Mouser	603-RC0402JR-0733HL	0.007	0.07
	Resistor 47k +/-1% 0402 63 mW	Chip Resistor, 47.5 kOhms, +/-1%, 63 mW, -55 to 155 degC, 0402	R2, R4, R11, R13, R20, R22, R29, R31, R38, R40	CMP-009-00137-3	Draft	Up to date	10	Vishay	CRCW040247K5RFD	Volume Production	Newark	52K7100	0.003	0.03
	Resistor 51k +/-5% 0402 63 mW	Chip Resistor, 51 kOhms, +/-5%, 0.063 W, -55 to 155 degC, 0402 (1005 Metric)	R8, R17, R26, R35, R44	CMP-009-00000-5	Draft	Up to date	5	Vishay/Dale	CRCW040251K0JNED	Volume Production	Newark	84AH5202	0.006	0.03
	Resistor 232K +/-1% 0402 63 mW	Chip Resistor, 232 kOhms, +/-1%, 63 mW, -55 to 155 degC, 0402	R1, R10, R19, R28, R37	CMP-009-00127-3	Draft	Up to date	5	Bourns	CR0402-FX-2323GLF	Volume Production	Mouser	652-CR0402-FX2323GLF	0.008	0.08
	82B-XH-A_(LF)(SV)	Connector Header Through Hole 2 position 0.098 (2.50mm)	J1, J3, J4	CMP-002-00072-1	Draft	Up to date	3							
	LM4562NA	LM4562 - Dual Channels per IC Audio Amplifier Evaluation Board	U1, U2, U3, U4, U5, U6, U7, U8, U9, U10, U12, U13	CMP-014-00002-1	Draft	Up to date	12							
	Capacitor 6.8uF +/- 20% 35V B2	Molded Tantalum Polymer Capacitor, 6.8 uF, +/- 20%, 35 V, -55 to 105 degC, 2-Pin SMD, RoHS, Tape and Reel	C3, C6, C7, C10, C13, C14, C17, C20, C21, C24, C27, C28, C31, C34, C35	CMP-001-00059-3	Draft	Up to date	15	HEMET	TS21B685MD35ATE150	Volume Production	Mouser	80-TS21B685MD35ATE150	0.636	9.54
	UM914N-1	None <a href="https://snap.eda.com/parts/UM3914N-1/Taxes%20Instruments/View-part/?ref=eda">Check prices</a>	U11_U_Display1, U11_U_Display2, U11_U_Display3, U11_U_Display4, U11_U_Display5	CMP-017-000000-1	Draft	Up to date	5							
	3296W-1-102LF	Square Trimpot(R) Trimming Potentiometer, 1000 Ohms, -55 to 125 degC, 3-Pin THD, RoHS, Tube	VR1, VR2, VR3, VR4, VR5	CMP-009-00037-2	Draft	Up to date	5	Bourns	3296W-1-102LF	Volume Production	Mouser	652-3296W-1-102LF	2.05	10.25