

PAM parts list



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Date: 12/18/2020

Description	Part Number	Manufacturer	Component	Quantity	Supplier	Supplier #	Size	Link	Unit Price Per 10	Estimated Cost
Linear Amplifier	PMA2-153-LN+	Mini Circuits	U1, U4, U6, U9, U11	25	Mini Circuits	TB-PMA2-153-LN+		<a href="https://www.minicircuits.com/WebStore/dashboard.html?model=PMA2-153LN%2B">https://www.minicircuits.com/WebStore/dashboard.html?model=PMA2-153LN%2B</a>	\$15.95	\$398.75
Variable Attenuator	HMC424ALP3E	Analog Devices	U3, U8	10	Richardson RFPD	HMC424ALP3E		<a href="https://www.richardsonrfd.com/Products/Search?searchBox=hmc424ALP3E&amp;instockonly=false">https://www.richardsonrfd.com/Products/Search?searchBox=hmc424ALP3E&amp;instockonly=false</a>	\$25.98	\$259.80
Slope Compensator	AEQ 5471	Knowles	U2, U5, U7, U10, U12	25	Mouser	766-AEQ05471-10	0302	<a href="https://www.mouser.com/Search/Refine?keyword=AEQ+5471">https://www.mouser.com/Search/Refine?keyword=AEQ+5471</a>	\$8.58	\$214.50
Detector	ADL 6010	Analog Devices	U13	5	Mouser	584-ADL6010ACPZN-R2		<a href="https://www.mouser.com/ProductDetail/Analog-Devices/ADL6010ACPZN-R2/?qs=omjggD2ciZeS9vVvkqNMIQ%3D%3D">https://www.mouser.com/ProductDetail/Analog-Devices/ADL6010ACPZN-R2/?qs=omjggD2ciZeS9vVvkqNMIQ%3D%3D</a>	\$122.77	\$613.85
Shift Register	SN74HC595	Texas Instruments	U14, U16	10	Mouser	595-SN74HC595DRG4	SOP-16	<a href="https://www.mouser.com/ProductDetail/Texas-Instruments/SN74HC595DRG4/?qs=AgY10sKtVdJLzOswtSF1kQ%3D%3D">https://www.mouser.com/ProductDetail/Texas-Instruments/SN74HC595DRG4/?qs=AgY10sKtVdJLzOswtSF1kQ%3D%3D</a>	\$0.49	\$4.90
OP-Amp	OP27	Analog Devices	U15	5	Mouser	584-OP27GSZ		<a href="https://www.mouser.com/ProductDetail/Analog-Devices/OP27GSZ/?qs=WlvQP4zGanhdgG5WYQbzGA%3D%3D">https://www.mouser.com/ProductDetail/Analog-Devices/OP27GSZ/?qs=WlvQP4zGanhdgG5WYQbzGA%3D%3D</a>	\$3.76	\$18.80
Wilkinson Divider	N/A	In house design	WD	1						
PNP BJT Transistor	CMPT3906G	Central Semiconductor	Q1, Q2, Q3	15	Mouser	610-CMPT3906G		<a href="https://www.mouser.com/ProductDetail/Central-Semiconductor/CMPT3906G-TR-PBFREE/?qs=%2Fha2pyFaduH2Rjco9ZfcET44sjtLxqwpf5mHlyo4PhvUqUuzBD31hw%3D%3D">https://www.mouser.com/ProductDetail/Central-Semiconductor/CMPT3906G-TR-PBFREE/?qs=%2Fha2pyFaduH2Rjco9ZfcET44sjtLxqwpf5mHlyo4PhvUqUuzBD31hw%3D%3D</a>	\$0.72	\$10.80
Single Schmidt Trigger Buffer	SN74LVC1G17	Texas Instruments	U15	5	Mouser	595-SN74LVC1G17DCKR		<a href="https://www.mouser.com/ProductDetail/Texas-Instruments/SN74LVC1G17DCKR/?qs=GAepiMZZMutXGh8Ay4kGIIInceft8dijji6WjgzOk%3D">https://www.mouser.com/ProductDetail/Texas-Instruments/SN74LVC1G17DCKR/?qs=GAepiMZZMutXGh8Ay4kGIIInceft8dijji6WjgzOk%3D</a>	\$0.27	\$1.35
NPN BJT Transistor	CMPD6263	Diodes Incorporated	D1, D2, D3	15	Mouser	610-CMPD6263		<a href="https://www.mouser.com/ProductDetail/Central-Semiconductor/CMPD6263-TR-PBFREE/?qs=u16vblDytrYnFuPy6nGpHg%3D%3D">https://www.mouser.com/ProductDetail/Central-Semiconductor/CMPD6263-TR-PBFREE/?qs=u16vblDytrYnFuPy6nGpHg%3D%3D</a>	\$0.83	\$12.45
Capacitor 0.1 uF	939113424610	Murata	C1, C2, C3, C4, C5, C6, C7, C8, C9, C10, C11, C12, C13, C14, C15, C16, C17	85	Mouser	961-939113424610	0402	<a href="https://www.mouser.com/ProductDetail/Murata-Electronics/939113424610/?qs=BJlw7L4Cy78ye%2FUzli%2FWrQ%3D%3D">https://www.mouser.com/ProductDetail/Murata-Electronics/939113424610/?qs=BJlw7L4Cy78ye%2FUzli%2FWrQ%3D%3D</a>	\$12.07	\$1,025.95
Capacitor 0.1 uF	06033C104J4Z2A	AVX	C37	5	Mouser	581-06033C104J4Z2A	0603	<a href="https://www.mouser.com/ProductDetail/AVX/06033C104J4Z2A/?qs=%2528dQmOuGyfcHWXUpUAM5ybw%3D%3D">https://www.mouser.com/ProductDetail/AVX/06033C104J4Z2A/?qs=%2528dQmOuGyfcHWXUpUAM5ybw%3D%3D</a>	\$0.68	\$3.40
Capacitor 100pF	06036C101JAT2A	AVX	C38	5	Mouser	581-06036C101JAT2A	0603	<a href="https://www.mouser.com/ProductDetail/AVX/06036C101JAT2A/?qs=9g9l2GjnhOvlG6URGWDpWw%3D%3D">https://www.mouser.com/ProductDetail/AVX/06036C101JAT2A/?qs=9g9l2GjnhOvlG6URGWDpWw%3D%3D</a>	\$0.24	\$1.20
Capacitor 10nF	06036C103MAT2A	AVX	C18, C19, C36	15	Mouser	581-06036C103MAT2A	0603	<a href="https://www.mouser.com/ProductDetail/AVX/06036C103MAT2A/?qs=oLSuk4n%2FG82DmuMKSEuPw%3D%3D">https://www.mouser.com/ProductDetail/AVX/06036C103MAT2A/?qs=oLSuk4n%2FG82DmuMKSEuPw%3D%3D</a>	\$0.24	\$3.60
Capacitor 0.039uF	08053C393KAT2A	AVX	C20, C21, C22, C23, C24, C25, C26, C27, C28, C29, C30, C31, C32, C33, C34, C35	80	Mouser	581-08053C393KAT2A	0805	<a href="https://www.mouser.com/ProductDetail/AVX/08053C393KAT2A/?qs=%2528BbFnfqYzAbtpfTlvEPjQ%3D%3D">https://www.mouser.com/ProductDetail/AVX/08053C393KAT2A/?qs=%2528BbFnfqYzAbtpfTlvEPjQ%3D%3D</a>	\$0.26	\$20.80
RF Resistor 100 Ohm	ERA-2VEB1000X	Panasonic	R1	5	Mouser	667-ERA-2VEB1000X	0402	<a href="https://www.mouser.com/ProductDetail/Panasonic/ERA-2VEB1000X/?qs=sGAepiMZZMvdGkrng054h1oDuJtsizWq25ovDF%2528BDWBcoM55keOv%2FA%3D%3D">https://www.mouser.com/ProductDetail/Panasonic/ERA-2VEB1000X/?qs=sGAepiMZZMvdGkrng054h1oDuJtsizWq25ovDF%2528BDWBcoM55keOv%2FA%3D%3D</a>	\$0.51	\$2.55
RF Resistor 120 Ohm	ERA-2VEB1200X	Panasonic	R2	5	Mouser	667-ERA-2VEB1200X	0402	<a href="https://www.mouser.com/ProductDetail/Panasonic/ERA-2VEB1200X/?qs=sGAepiMZZMvdGkrng054hwKDkoBh%2528scnBiyhA7%25283F%2528057xrdCsdcCw%3D%3D">https://www.mouser.com/ProductDetail/Panasonic/ERA-2VEB1200X/?qs=sGAepiMZZMvdGkrng054hwKDkoBh%2528scnBiyhA7%25283F%2528057xrdCsdcCw%3D%3D</a>	\$0.51	\$2.55

<https://www.analog.com/en/products/hmc424alp3e.html#product-discussion>

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RF Resistor 130 Ohm	ERA-2AEB131X	Panasonic	R3	5	Mouser	667-ERA-2AEB131X	0402	<a href="https://www.mouser.com/ProductDetail/Panasonic/ERA-2AEB131X/?qs=sGAEpiMZZMvdGkrng054t%2F1Jy6dM7uTWnCd9%2Fy7Ff%3D">https://www.mouser.com/ProductDetail/Panasonic/ERA-2AEB131X/?qs=sGAEpiMZZMvdGkrng054t%2F1Jy6dM7uTWnCd9%2Fy7Ff%3D</a>	\$0.51	\$2.55
RF Resistor 143 Ohm	ERA-2AEB1430X	Panasonic	R4	5	Mouser	667-ERA-2AEB1430X	0402	<a href="https://www.mouser.com/ProductDetail/Panasonic/ERA-2AEB1430X/?qs=sGAEpiMZZMvdGkrng054t%2F1Jy6dM7uTWnCd9%2Fy7Ff%3D">https://www.mouser.com/ProductDetail/Panasonic/ERA-2AEB1430X/?qs=sGAEpiMZZMvdGkrng054t%2F1Jy6dM7uTWnCd9%2Fy7Ff%3D</a>	\$0.60	\$3.00
RF Resistor 147 Ohm	ERA-2AEB1470X	Panasonic	R5	5	Mouser	667-ERA-2AEB1470X	0402	<a href="https://www.mouser.com/ProductDetail/Panasonic/ERA-2AEB1470X/?qs=sGAEpiMZZMvdGkrng054t%2F1Jy6dM7uTWnCd9%2Fy7Ff%3D">https://www.mouser.com/ProductDetail/Panasonic/ERA-2AEB1470X/?qs=sGAEpiMZZMvdGkrng054t%2F1Jy6dM7uTWnCd9%2Fy7Ff%3D</a>	\$0.43	\$2.15
RF Resistor 169 Ohm	ERA-2AEB1690X	Panasonic	R6	5	Mouser	667-ERA-2AEB1690X	0402	<a href="https://www.mouser.com/ProductDetail/Panasonic/ERA-2AEB1690X/?qs=sGAEpiMZZMvdGkrng054t%2F1Jy6dM7uTWnCd9%2Fy7Ff%3D">https://www.mouser.com/ProductDetail/Panasonic/ERA-2AEB1690X/?qs=sGAEpiMZZMvdGkrng054t%2F1Jy6dM7uTWnCd9%2Fy7Ff%3D</a>	\$0.44	\$2.20
RF Resistor 178 Ohm	ERA-2AEB1780X	Panasonic	R7	5	Mouser	667-ERA-2AEB1780X	0402	<a href="https://www.mouser.com/ProductDetail/Panasonic/ERA-2AEB1780X/?qs=sGAEpiMZZMvdGkrng054t%2F1Jy6dM7uTWnCd9%2Fy7Ff%3D">https://www.mouser.com/ProductDetail/Panasonic/ERA-2AEB1780X/?qs=sGAEpiMZZMvdGkrng054t%2F1Jy6dM7uTWnCd9%2Fy7Ff%3D</a>	\$0.43	\$2.15
Resistor 100 Ohm	RS73G1JTTD1000B	KOA Spear	R8, R9, R10, R11, R12, R13, R14, R15, R16, R17, R18, R19, R30, R33	70	Mouser	660-RS73G1JTTD1000B	0603	<a href="https://www.mouser.com/ProductDetail/KOA-Speer/RS73G1JTTD1000B/?qs=GBLSi2AkiruQBCK7exZ%252Bcg%3D%3D">https://www.mouser.com/ProductDetail/KOA-Speer/RS73G1JTTD1000B/?qs=GBLSi2AkiruQBCK7exZ%252Bcg%3D%3D</a>	\$0.59	\$41.30
Resistor 470 Ohm	ERJ-PB6B4700V	Panasonic	R24, R26, R27, R29	20	Mouser	667-ERJ-PB6B4700V	0805	<a href="https://www.mouser.com/ProductDetail/Panasonic/ERJ-PB6B4700V/?qs=eFOtW6xYNWHJuEZ%2FxeETg%3D%3D">https://www.mouser.com/ProductDetail/Panasonic/ERJ-PB6B4700V/?qs=eFOtW6xYNWHJuEZ%2FxeETg%3D%3D</a>	\$0.28	\$5.60
Resistor 1k Ohm	ERJ-PB6B1001V	Panasonic	R21, R22, R28	15	Mouser	667-ERJ-PB6B1001V	0805	<a href="https://www.mouser.com/ProductDetail/Panasonic/ERJ-PB6B1001V/?qs=eFOtW6xYNWE%2FwJ4RAZwV2A%3D%3D">https://www.mouser.com/ProductDetail/Panasonic/ERJ-PB6B1001V/?qs=eFOtW6xYNWE%2FwJ4RAZwV2A%3D%3D</a>	\$0.27	\$4.05
Resistor 10 Ohm	SG73G2ATTD10R0D	KOA Spear	R20, R23, R24, R25	20	Mouser	660-SG73G2ATTD10R0D	0805	<a href="https://www.mouser.com/ProductDetail/KOA-Speer/SG73G2ATTD10R0D/?qs=%2Fha2pyfaduHwGQyPFRd6IvgEXVLQJksPwXRkqB3kibnDyB0kIvQEw%3D%3D">https://www.mouser.com/ProductDetail/KOA-Speer/SG73G2ATTD10R0D/?qs=%2Fha2pyfaduHwGQyPFRd6IvgEXVLQJksPwXRkqB3kibnDyB0kIvQEw%3D%3D</a>	\$0.23	\$4.60
Resistor 10k Ohm	ERJ-PB6B1002V	Panasonic	R31, R32	10	Mouser	667-ERJ-PB6B1002V	0805	<a href="https://www.mouser.com/ProductDetail/Panasonic/ERJ-PB6B1002V/?qs=eFOtW6xYNWFvuWzLzq%2F1On%3D%3D">https://www.mouser.com/ProductDetail/Panasonic/ERJ-PB6B1002V/?qs=eFOtW6xYNWFvuWzLzq%2F1On%3D%3D</a>	\$0.27	\$2.70
Inductor 0.84 uH	LQW2BAS1R0J00L	Murata	L1, L2, L3, L4, L5, L6	30	Mouser	81-LQW2BAS1R0J00L	0805	<a href="https://www.mouser.com/ProductDetail/MurataElectronics/LQW2BAS1R0J00L/?qs=rkhjVJ6%2F3EJ36xQJkFIAGw%3D%3D">https://www.mouser.com/ProductDetail/MurataElectronics/LQW2BAS1R0J00L/?qs=rkhjVJ6%2F3EJ36xQJkFIAGw%3D%3D</a>	\$2.05	\$61.50
Ferrite Inductor	 L1206H151R-10	Laid-Signal Integrity Products	L7, L8, L9, L10, L11, L12, L13, L14, L15	45	Digikey	 240-2402-2-ND	1206	<a href="https://www.digikey.com/en/products/detail/laid-signal-integrity-products/L1206H151R-10/806641">https://www.digikey.com/en/products/detail/laid-signal-integrity-products/L1206H151R-10/806641</a>	\$0.18	\$8.10

\$2,735.15