

Farnell UK / Element14 /										RS		Notes	
part	function	part number	qty	mfr	mfr #	Each	amp	Mouser	Digikey	Alfred	Jameco		
JACKS, SWITCHES, HEADERS, AND WIRE JUMPEES													
1 pin test point	Input	pr1, pr2, pr3	1										
2 pin header	Output	pr5	1										
1 pin header	Power and Ground	pr4	1										
Subtotal for this section						\$0.00							
IC- TRANSISTOR													
Dis. amp, single, ultra low noise precision	Gain stage	C1, C2	2	Linear Technology	LT128C588PBF	\$9.55	\$19.10			LT128C588PBF-ND			
Subtotal for this section						\$19.10							
RESISTORS AND POTS													
100 Ohm 1/16W thin film SMD 1206 25 PPM/C 0.05mm H	Feedback	R6, R8	2	Vishay	TNPW1206100R0EAA	\$0.55	\$1.10	P1-TNPW1206100R0EAA	TNP100RACCT-ND				
100 Ohm 1/16W thin film SMD 1206 25 PPM/C 0.05mm H	Gain set	R3, R4	2	Vishay	RNC51206R120R0	\$0.85	\$1.70	P1-TNPW1206100R0EAA	RNC51206R120R0CT-ND				
100 Ohm 1/16W thin film SMD 1206 25 PPM/C 0.05mm H	Gain set	R1, R2	2	Vishay	RNC1206147R02-B-73	\$0.85	\$1.70	P1-TNPW1206100R0EAA	RNC1206147R02CT-ND				
720 Ohm 0.1% 1/16W thin film SMD 1206 25 PPM/C 0.05mm H	ANAL curve shaping	R5, C7	1	Linear	LR4-8468793700	\$0.85	\$1.70	P1-TNPW1206100R0EAA	LR4-8468793700CT-ND				
Subtotal for this section						\$6.20							
CAPACITORS													
0.1uF 50V 2% Stackfil Film 1913 SMD 2.1mm H	Input coupling	CA, C5	2	Panasonic	EDX-1U1H104M2W	\$1.47	\$2.94	667-1CH-1U1H104M2W	POF5552CT-ND				
0.1uF 50V 10% MLC Stackfil Cap. 1903 2.0mm H	ANAL curve shaping	CA, C9	2	TDK	TKM-1U1H104M2	\$1.57	\$3.14	667-1CH-1U1H104M2	POF5549CT-ND				
1000uF 50V 5% MLC COG 1206 SMD 1.0mm H	ANAL filter	C1, C2	2	AVX	1206SA105U1A72A	\$0.20	\$0.40	DB1-1206SA105U1A	1378-1053-1-ND				
22uF 20V Low ESR organic polymer 8.0mm dia x 6.0mm High 2.5 mm H	Power Rail Bypass	C7, C10	2	Nichicon	PWF10220M4L2	\$1.47	\$2.94	H47-PLF10220M4L2					
0.1uF 50V 5% MLC COG 1206 SMD 0.05mm H	Decoupling	C1, C3, C10, C11	4	Murata	GRM1555C1H5510A010	\$0.50	\$1.00	GRM1555C1H5510A010	646-10083-1-ND				
Subtotal for this section						\$11.42							
GRAND TOTAL						\$36.72							