

## Partlist

### DX Amplifier

Model: Precision 1

#### Capacitors

		Pitch	Diam	W X L	Descriptions
C1,2	220u	5	13		Electrolytic
C3,4,16, 17	47n	5		3x7.5	polypropylene, polyester, np0 or c0g
C5,8,11,23,24,25,27-32	100n	5		3x7.5	polypropylene, polyester, np0 or c0g
C6	470p	2.5 or 5			Silver Mica, np0 or c0g
C7	470u 16V	5	13		Electrolytic
C9	10n	5		3x7.5	Silver Mica, np0 or c0g
C10	100p	2.5 or 5		3.5x 7.5	Mica, polypropylene, polyester, np0 or c0g
C12	12p	2.5 or 5		3.5x 7.5	Silver Mica, np0 or c0g
C13					Reserve component number
C14,15	47uf	3.5	8		Electrolytic
C18	100n	10		13.4x4	Polyester 160V
C19,20	68n	2.5 or 5		3.5x 7.5	polypropylene, polyester, np0 or c0g
C21, 22	470u	5	16		Electrolytic
C26	2u2	2	5		Electrolytic
C33	68p	2.5 or 5		3x7.5	Silver Mica, np0 or c0g (very important cap)
CIN	10uf np	3.5	8		Non-polar

#### Diodes

D 1,2	1N4148				diode
D3	12v				12V zener diode
D4	4.7V				4V7 zener diode
D5,8	22v				22V zener diode
D6,7	33v				33V zener diode
D9,10	1N4004				diode
F1,2,3					1 Fuse holder or 2 clips

#### Transistors

Q1,3	2N5401				EBC
Q2,4,5,6,9	2N5551				EBC
Q7	BC547C				CBE
Q14	2SA1837				
Q16,18,20	2SA1943				BCE
Q10,13	2sc4793				
Q15,17,19	2SC5200				BCE
Q11,21	BD139				BCE
Q8,12	BD140				BCE

#### Resistors

R 1	180	0207/7	7		0.25W
R 2	15k	0207/7	7		0.25W
R 3	15k	0207/10	10		0.25W
R 4	470	0207/7	7		0.25W
R 5	10	0207/10	10		0.25W
R 6	3k9	0411/15	15		1W
R 7	4k7	0207/7	7		0.25W
R 8	3k6	0207/10	10		0.25W
R 9	82	0207/7	7		0.25W
R 10	47	0207/15	15		0.25W
R 11	47	0207/7	7		0.25W
R 12	1k6	0207/7	7		0.25W
R 13	1k6	0207/7	7		0.25W
R 14	82	0207/7	7		0.25W
R 15	82	0207/7	7		0.25W
R 16	10k	0617/22	22		2W
R 17	390	0207/10	10		0.25W
R 18	1k	0207/10	10		0.25W
R 19	22	0207/10	10		0.25W
R 20	10	0414/15	15		1W
R 21	680	0309/10	10		62-67V 0.25W - 68-70V .5W
R 22	680	0309/10	10		62-67V 0.25W - 68-70V .5W

	R 23	100 0207/7	7	0.25W
	R 24	100 0207/7	7	0.25W
	R 25	100 0207/7	7	0.25W
	R 26	100 0207/7	7	0.25W
	R 27	180 0207/7	7	0.25W
	R 28 4r7	0207/7	7	0.25W
	R 29 4r7	0207/7	7	0.25W
	R 30 4r7	0207/7	7	0.25W
	R 31 4r7	0207/7	7	0.25W
	R 32 4r7	0207/7	7	0.25W
	R 33 4r7	0207/7	7	0.25W
	R 34 0r33	0617/22	22	2W
	R 35 0r33	0617/22	22	2W
	R 36 0r33	0617/22	22	2W
	R 37 0r33	0617/22	22	2W
	R 38 0r33	0617/22	22	2W
	R 39 0r33	0617/22	22	2W
	R 40 2k2	0204V	2 (vert)	0.25W
	R 41	560 0207/7	2 (vert)	0.25W
Sundry				
GND			6.3	PCB spade (optional)
OUT2			6.3	PCB spade (optional)
V+			6.3	PCB spade (optional)
V-			6.3	PCB spade (optional)
VR2	500		2.5	in-line, off-centre, Trimpot
X1			5	2-way PCB screw terminal
TO-220 heatsinks	x4			25mm width max
Main heatsink	x1			minimum width 20cm, recommended 35+cm