



^ - CAPACITORS IN MICROFARADS UNLESS NOTED OTHERWISE
 - RESISTORS 5% TOL., 0.25W, IN OHMS UNLESS NOTED OTHERWISE
 - R5/R6 & R15/R16 MAY BE CHANGED TO SET A DIFFERENT AMPLIFIER GAIN
 - R1/R2 MAY BE ADJUSTED IF ALTERNATIVE INPUT Z REQUIRED

Title STEREO HEADPHONE AMPL.			M ² CIRCUITS TORONTO, CANADA	
Size: Letter	Number: 102-010	Revision: 02		
Date: 2022-02-21	Time: 9:33:21 PM	Sheet 1 of 1		
File: 102-010_HeadphoneAmp.SchDot	Drawn By: M.M.	Engineer: M.M.		

Comment	Description	Designator	Footprint	LibRef	Quantity
10/50	Polarized Electrolytic Capacitor	C1, C2, C5, C6	Polar Capacitor 6.3x2.54	Polar Capacitor	4
100/35	Polarized Electrolytic Capacitor	C3, C4	Polar Capacitor 6.3x2.54	Polar Capacitor	2
220/16	Polarized Electrolytic Capacitor	C7, C8	Polar Capacitor 8x3.5	Polar Capacitor	2
100n	Film Capacitor	C9	Film Capacitor 5.08x2.5x7.2	Capacitor	1
220/25	Polarized Electrolytic Capacitor	C10, C11	Polar Capacitor 6.3x2.54	Polar Capacitor	2
100p	Film Capacitor	C12, C13	Film Capacitor 5.08x2.5	Capacitor	2
1N4148	Small Signal & Rectifier	CR1, CR2, CR3, CR4	Diode Upright 1W	Diode	4
I/O	8 Pin Header	P1	8H Pin Header	8 Pin Header	1
BC337	NPN Transistor	Q1, Q3	TO92 S CBE	NPN Transistor	2
BC327	PNP Transistor	Q2, Q4	TO92 S CBE	PNP Transistor	2
10k	Resistor	R1, R2, R7, R8, R9, R10, R17, R18	1/4W Resistor Upright	Resistor	8
100	Resistor	R3, R4, R21, R22	1/4W Resistor Upright	Resistor	4
4.7k	Resistor	R5, R6, R15, R16	1/4W Resistor Upright	Resistor	4
10	Resistor	R11, R12, R13, R14	1/4W Resistor Upright	Resistor	4
22	Resistor	R19, R20	1/4W Resistor Upright	Resistor	2
NE5532AP	Dual Low-Noise Operati	U1	TI-P8	NE5532AP	1