

- ^ - CAPACITORS IN MICROFARADS UNLESS NOTED OTHERWISE
 - RESISTORS 5% TOL., 0.25W, IN OHMS UNLESS NOTED OTHERWISE
 - R1 & R2 MAY BE INCREASED TO PROVIDE INPUT ATTENUATION
 - R3 & R4 MAY BE INCREASED IF HIGHER INPUT Z IS REQUIRED
 - C6 & C7 ARE LOCATED NEAR U1
 - U1 IS SOCKETED
 - R5 & R6 MAY BE OMITTED FOR FOR UNITY GAIN
 - R5 SETS THE MAX GAIN AVAILABLE
 - C3 & C4 MAY BE CHANGED TO SUIT THE APPLICATION

Title: **XFMRLess DIFF INPUT AMPL**

Size: Letter

Number: 200917.

Revision: A

Date: 2020-09-17

Time: 5:36:13 PM

Sheet 1 of 1

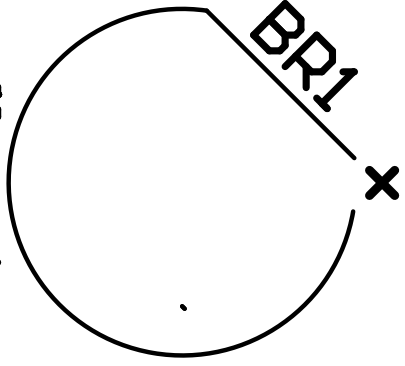
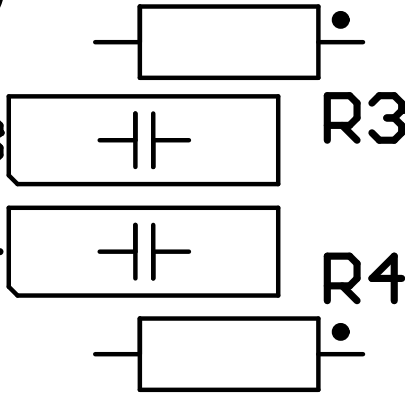
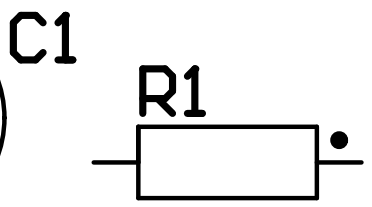
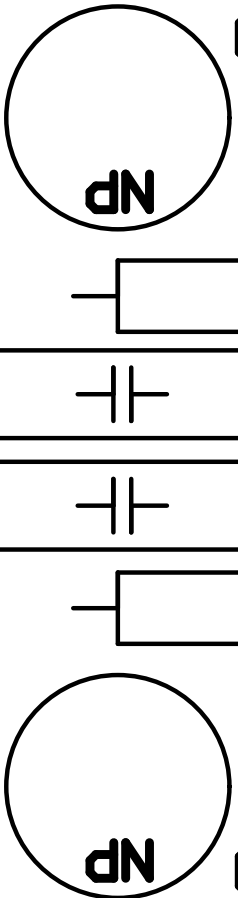
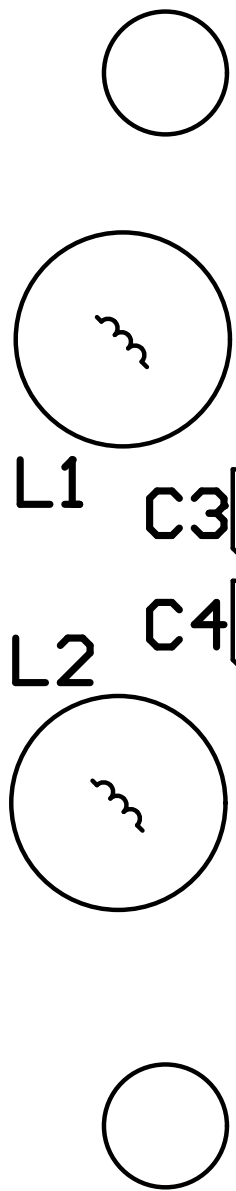
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Drawn By: M. MISERERE

Engineer: M. MISERERE

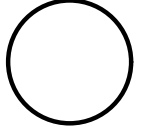
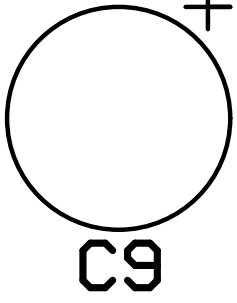
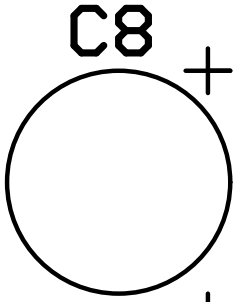
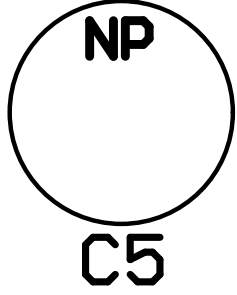
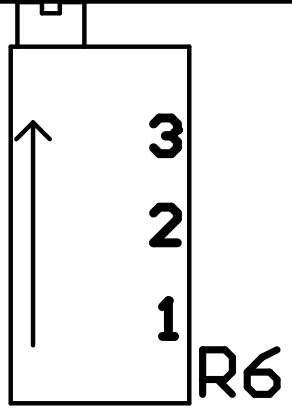
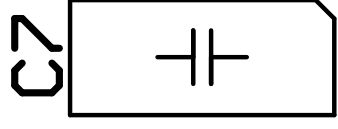
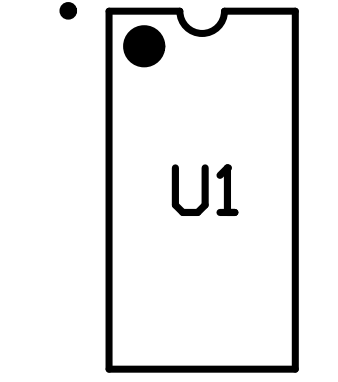
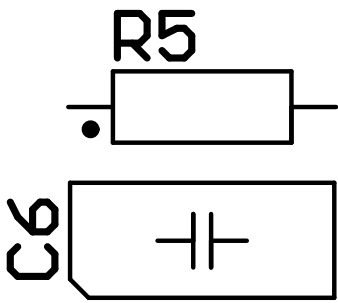
M² CIRCUITS
TORONTO, CANADA





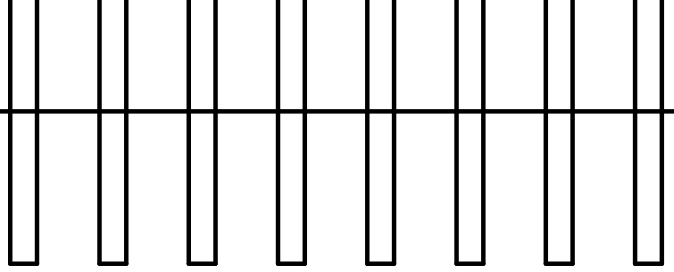
M2 CIRCUITS

GAIN ADJ.



XFMRLSS INPUT AMPL.

REV A 200917



Comment	Description	Designator	Footprint	LibRef	Quantity
1A	Bridge Rectifier	BR1	BRIDGE RECTIFIER	Bridge Rectifier	1
47/50 BP	Non Polar Capacitor	C1, C2, C5	Non Polar Capacitor 6.3x2.54	Non Polar Capacitor	3
68pF	Film Capacitor	C3, C4	Film Capacitor 5.08x2.5	Capacitor	2
100nF	Film Capacitor	C6, C7	Film Capacitor 5.08x2.5x7.2	Capacitor	2
100/35	Polarized Electrolytic Capacitor	C8, C9	Polar Capacitor 6.3x2.54	Polar Capacitor	2
Ferrite Bead	Ferrite Bead	L1, L2	Ferrite Bead Radial	Ferrite Bead	2
I/O	8 Pin Header	P1	8H Pin Header	8 Pin Header	1
51R	Resistor	R1, R2, R7	1/4W Resistor 11mm	Resistor	3
10k	Resistor	R3, R4	1/4W Resistor 11mm	Resistor	2
1k	Resistor	R5	1/4W Resistor 11mm	Resistor	1
10k	Trim Potentiometer	R6	TRIMMER 3296X	Trimmer	1
100k	Resistor	R8	1/4W Resistor 11mm	Resistor	1
22R	Resistor	R9, R10	1/4W Resistor 11mm	Resistor	2
INA217AIP	Low Noise, Low-Distorti	U1	TI-P8	INA217AIP	1