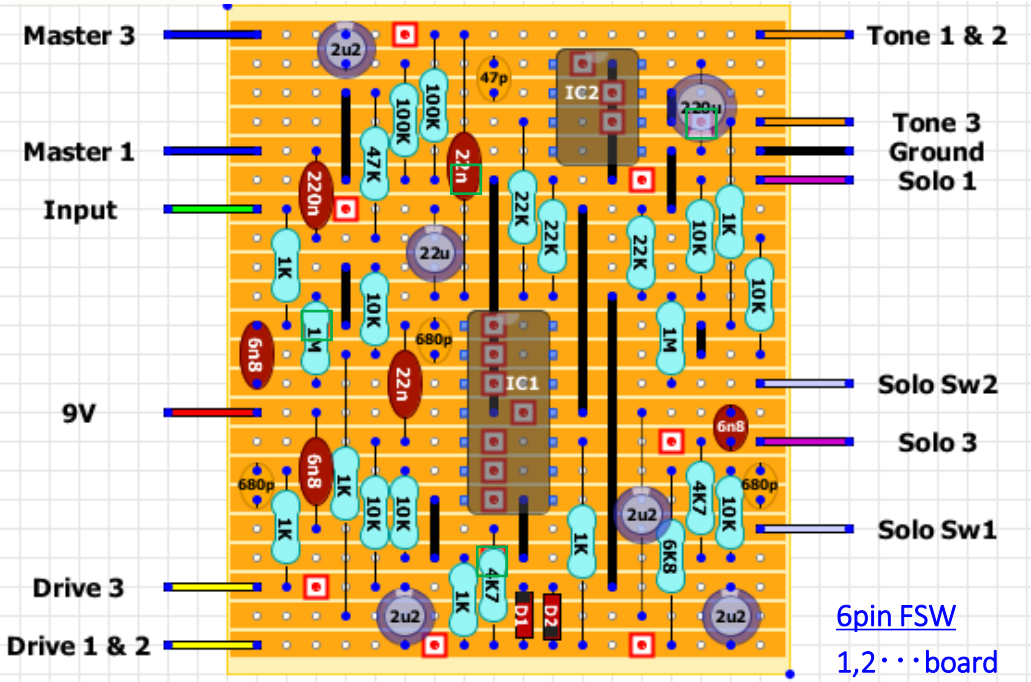
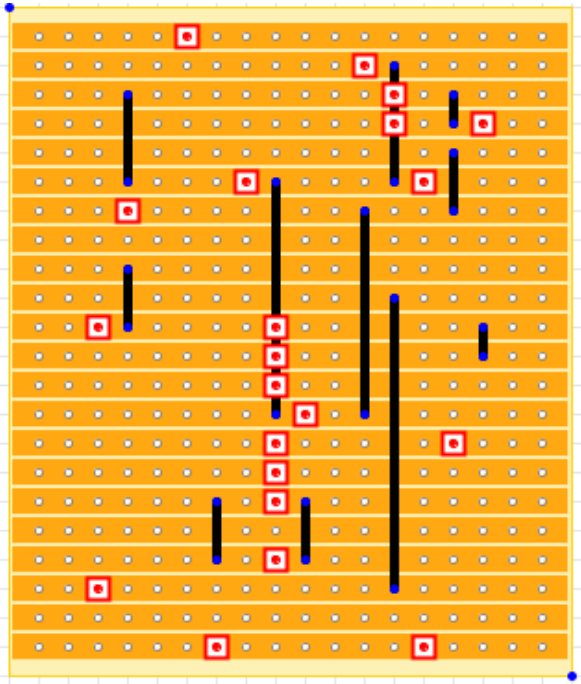
G2D Creamtone

Overdrive, Verified, Vero

Guitar FX Layouts





Resistors	
1k	6
4k7	1
6k8	1
10k	6
22k	3
47k	2
100k	2
1M	2
	23
Electrolytic	
2u2	4
22u	1
220u	1
Filmcon	
6n8	3
22n	2
220n	1
ceracon	
47p	1
680p	3
diode	
1n4148	2
6pinFSW	1
9pinFSW	1

Drive, Solo, Tone and Master all 10K Lin
Master 2 to output — **IC1 TL074**
Solo 2 to Solo Sw3 — **IC2 TL072**
Solo Sw is SPDT on/on — **D1 & D2 are 1N4148**

6pin FSW
1,2・・・board
3・・・solo Pot 2
4・・・no conect
5・・・LED(－)
6・・・ground

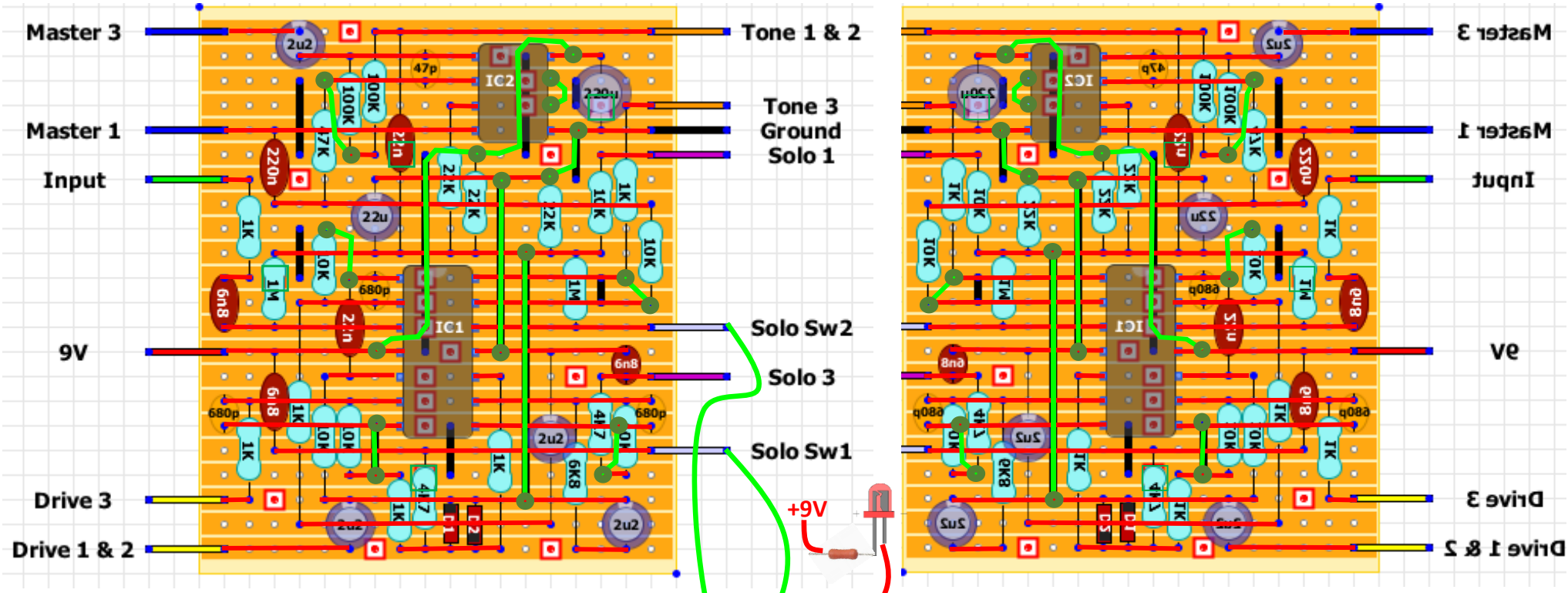
G2D Cream Tone
IvIark © http://tagboar

RC3403,uPC4741,LM348,LF347,LM124,LM324,TL074,TL084・・・Quad 14pin

http://tagboardeffects.blogspot.com/2013/06/g2d-cream-tone.html

Surface

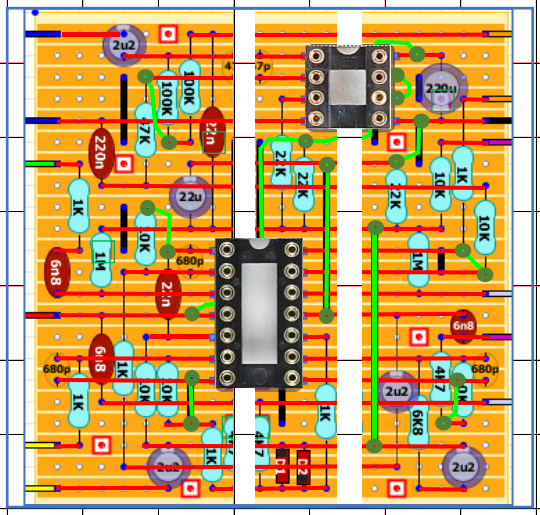
Back



Guitar FX Layouts

http://tagboardeffects.blogspot.com/2013/06/g2d-cream-tone.html

												10
												9
												8
												7
												6
												5
												4
												3
												2
												1
12	11	10	9	8	7	6	5	4	3	2	1	



6.10 Electrical Characteristics: TL071C, TL072C, TL074C

$V_{CC\pm}$ = ±15 V (unless otherwise noted)

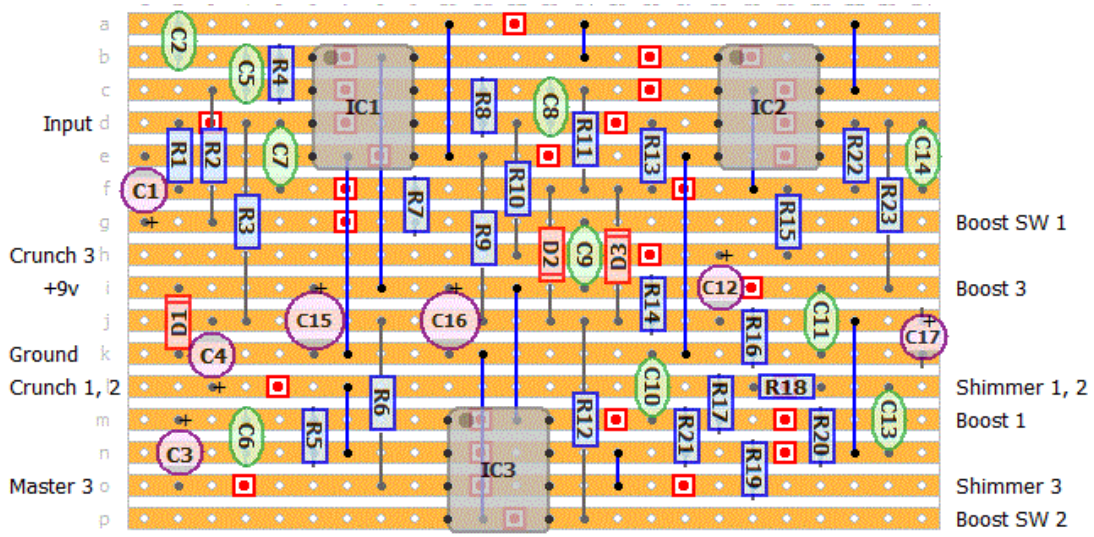
PARAMETER		TEST CONDITIONS (1) (2)		MIN	TYP	MAX	UNIT
V_{IO}	Input offset voltage	V_O = 0, R_S = 50 Ω	T_A = 25°C		3	10	mV
			T_A = Full range			13	
α	Temperature coefficient of input offset voltage	V_O = 0, R_S = 50 Ω	T_A = Full range		18		μV/°C
I_{IO}	Input offset current	V_O = 0	T_A = 25°C		5	100	pA
			T_A = Full range			10	nA
I_{IB}	Input bias current (3)	V_O = 0	T_A = 25°C		65	200	pA
			T_A = Full range			7	nA
V_{ICR}	Common-mode input voltage range	T_A = 25°C		±11	−12 to 15		V
V_{OM}	Maximum peak output voltage swing	R_L = 10 kΩ	T_A = 25°C	±12	±13.5		V
		R_L ≥ 10 kΩ	T_A = Full range	±12			
		R_L ≥ 2 kΩ		±10			
A_{VD}	Large-signal differential voltage amplification	V_O = ±10 V, R_L ≥ 2 kΩ	T_A = 25°C	25	200		V/mV
			T_A = Full range	15			
B_1	Utility-gain bandwidth	T_A = 25°C			3		MHz
r_i	Input resistance	T_A = 25°C			10^{12}		Ω
CMRR	Common-mode rejection ratio	V_{IC} = $V_{ICR(min)}$, V_O = 0, R_S = 50 Ω	T_A = 25°C	70	100		dB
k_{SVR}	Supply voltage rejection ratio ($\Delta V_{CC\pm}/\Delta V_{IO}$)	V_{CC} = ±9 V to ±15 V, V_O = 0, R_S = 50 Ω	T_A = 25°C	70	100		dB
I_{CC}	Supply current (each amplifier)	V_O = 0; no load	T_A = 25°C		1.4	2.5	mA
V_{O1} / V_{O2}	Crosstalk attenuation	A_{VD} = 100	T_A = 25°C		120		dB

6.6 Electrical Characteristics: LM124-N/224-N/324-N/2902-N

V^+ = +5.0V, (1), unless otherwise stated

PARAMETER		TEST CONDITIONS		LM124-N / LM224-N			LM324-N			LM2902-N			UNIT
				MIN	TYP	MAX	MIN	TYP	MAX	MIN	TYP	MAX	
Input Offset Voltage		T_A = 25°C(2)			2	5		2	7		2	7	mV
Input Bias Current(3)		$I_{IN(+)}$ or $I_{IN(-)}$, V_{CM} = 0 V, T_A = 25°C			45	150		45	250		45	250	nA
Input Offset Current		$I_{IN(+)}$ or $I_{IN(-)}$, V_{CM} = 0 V, T_A = 25°C			3	30		5	50		5	50	nA
Input Common-Mode Voltage Range(4)		V^+ = 30 V, (LM2902-N, V^+ = 26V), T_A = 25°C		0		V^+−1.5	0		V^+−1.5	0		V^+−1.5	V
Supply Current		Over Full Temperature Range, R_L = ∞ On All Op Amps, V^+ = 30 V (LM2902-N V^+ = 26 V)			1.5	3		1.5	3		1.5	3	mA
		V^+ = 5 V			0.7	1.2		0.7	1.2		0.7	1.2	
Large Signal Voltage Gain		V^+ = 15V, R_L ≥ 2 kΩ, (V_O = 1 V to 11 V), T_A = 25°C		50	100		25	100		25	100		V/mV
Common-Mode Rejection Ratio		DC, V_{CM} = 0 V to V^+ − 1.5 V, T_A = 25°C		70	85		65	85		50	70		dB
Power Supply Rejection Ratio		V^+ = 5 V to 30 V (LM2902-N, V^+ = 5 V to 26 V), T_A = 25°C		65	100		65	100		50	100		dB
Amplifier-to-Amplifier Coupling(5)		f = 1 kHz to 20 kHz, T_A = 25°C (Input Referred)			−120			−120			−120		dB
Output Current	Source	V_{IN}^+ = 1 V, V_{IN}^- = 0 V, V^+ = 15 V, V_O = 2 V, T_A = 25°C		20	40		20	40		20	40		mA
	Sink	V_{IN}^- = 1 V, V_{IN}^+ = 0 V, V^+ = 15 V, V_O = 2 V, T_A = 25°C		10	20		10	20		10	20		mA
		V_{IN}^- = 1 V, V_{IN}^+ = 0 V, V^+ = 15 V, V_O = 200 mV, T_A = 25°C		12	50		12	50		12	50		μA
Short Circuit to Ground		V^+ = 15 V, T_A = 25°C(6)			40	60		40	60		40	60	mA
Input Offset Voltage		See (2)				7			9			10	mV
V_{OS} Drift		R_S = 0 Ω			7			7			7		μV/°C
Input Offset Current		$I_{IN(+)}$ − $I_{IN(-)}$, V_{CM} = 0 V				100			150		45	200	nA
I_{OS} Drift		R_S = 0 Ω			10			10			10		pA/°C
Input Bias Current		$I_{IN(+)}$ or $I_{IN(-)}$			40	300		40	500		40	500	nA
Input Common-Mode Voltage Range(4)		V^+ = 30 V, (LM2902-N, V^+ = 26 V)		0		V^+−2	0		V^+−2	0		V^+−2	V
Large Signal Voltage Gain		V^+ = 15 V (V_OSwing = 1V to 11V), R_L ≥ 2 kΩ		25			15			15			V/mV
Output Voltage Swing	V_{OH}	V^+ = 30 V (LM2902-N, V^+ = 26 V)	R_L = 2 kΩ	26			26			22			V
			R_L = 10 kΩ	27	28		27	28		23	24		
	V_{OL}	V^+ = 5 V, R_L = 10 kΩ			5	20		5	20		5	100	mV
Output Current	Source	V_O = 2 V	V_{IN}^+ = 1 V, V_{IN}^- = 0 V, V^+ = 15 V	10	20		10	20		10	20		mA
	Sink		V_{IN}^- = 1 V, V_{IN}^+ = 0 V, V^+ = 15 V	5	8		5	8		5	8		mA

CreamTone G2D



R1: 1K
R2: 1K
R3: 1M
R4: 10K
R5: 100K
R6: 22K
R7: 4.7K
R8: 10K
R9: 10K
R10: 1K
R11: 1K
R12: 1M
R13: 1K
R14: 22K
R15: 6.8K
R16: 22K
R17: 47K
R18: 100K
R19: 1K
R20: 10K
R21: 10K
R22: 10K
R23: 4.7K

C2: 22nF
C5: 680pF
C6: 47pF
C7: 6.8nF
C8: 680pF
C9: 6.8nF
C10: 220nF
C11: 6.8nF
C13: 22nF
C14: 680pF
C15: 2200uF
C16: 220uF
C17: 22uF
C12: 2.2uF
C1: 2.2uF
C3: 2.2uF
C4: 2.2uF

IC1: TL072
IC2: TL071
IC3: TL072
D1: 1N4001
D2: 1N4148
D3: 1N4148

Crunch: 10k linear
Boost: 10k linear
Shimmer: 10k linear
Master: 10k linear
Boost SW: SPDT on-on

Boost 2 -> Boost SW 3
Master 2 -> Output
Master 1 -> Ground

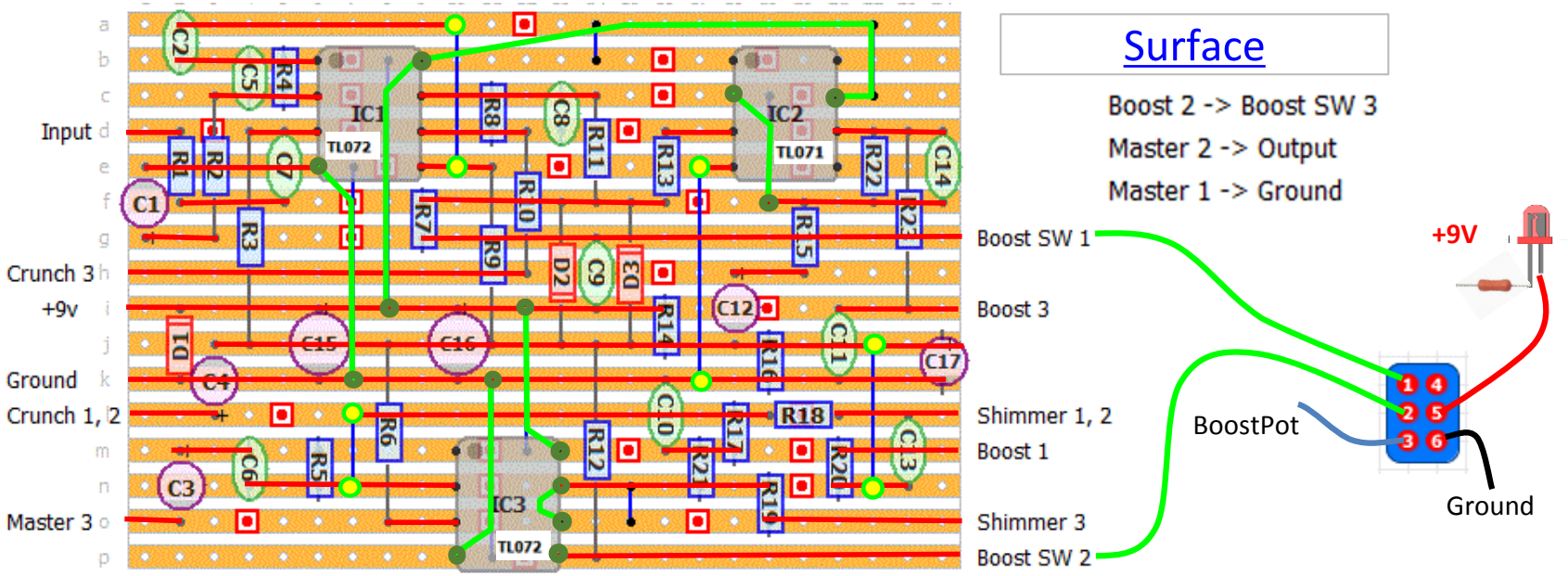
Notice cut underneath R18
All capacitors rated 16v+
C1, C3, C4 and C12 can be electrolytics

1k	6
4k7	2
6k8	1
10k	6
22k	3
47k	1
100k	2
1M	2
	23

47p	1
680p	3
6n8	3
22n	2
220n	1
2u2	4
22u	1
220u	1
2200u	1
	17

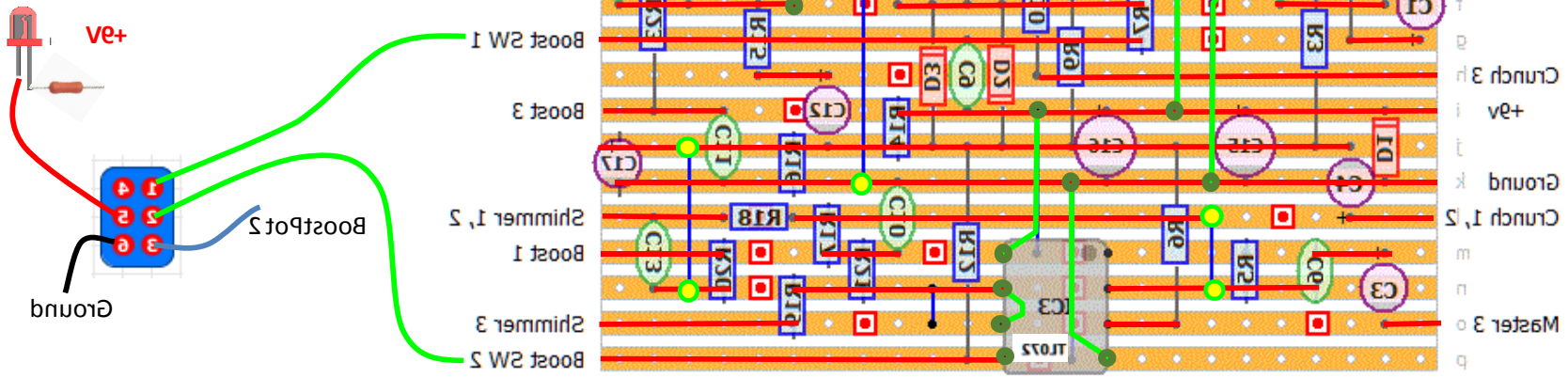
1N4001	1
1N4148	2
TL072	2
TL071	1
9PinFSW	1
6PinFSW	1
10kB	4

https://www.sabrotone.com/?p=683



Surface

Boost 2 -> Boost SW 3
Master 2 -> Output
Master 1 -> Ground



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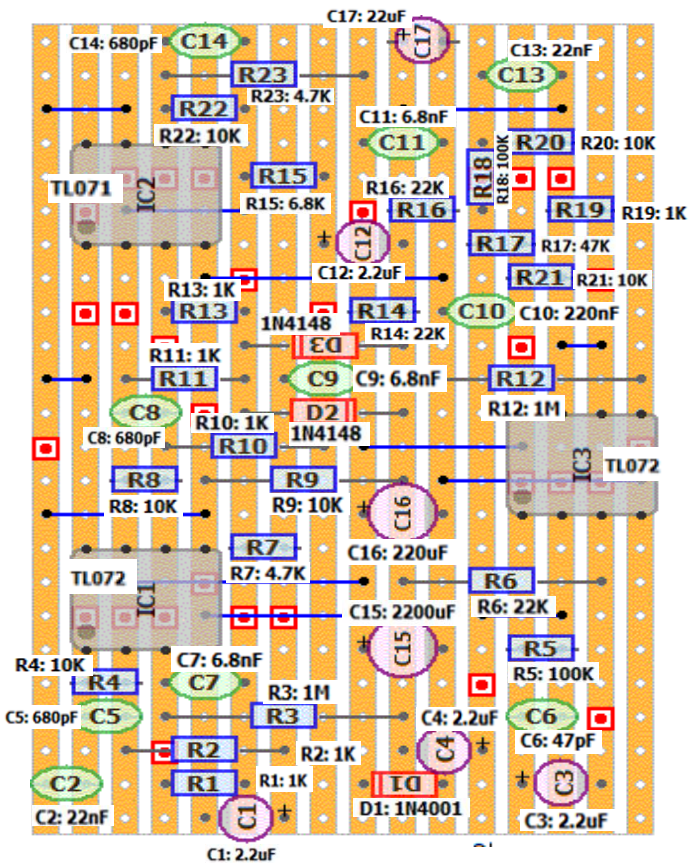
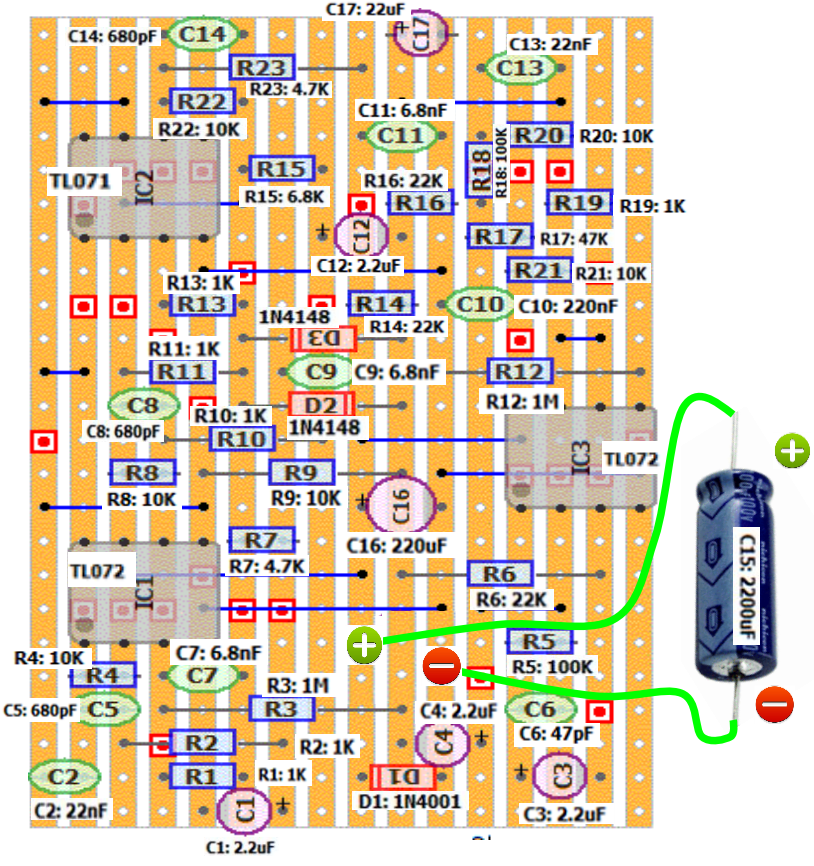
Back





Sabro Tone

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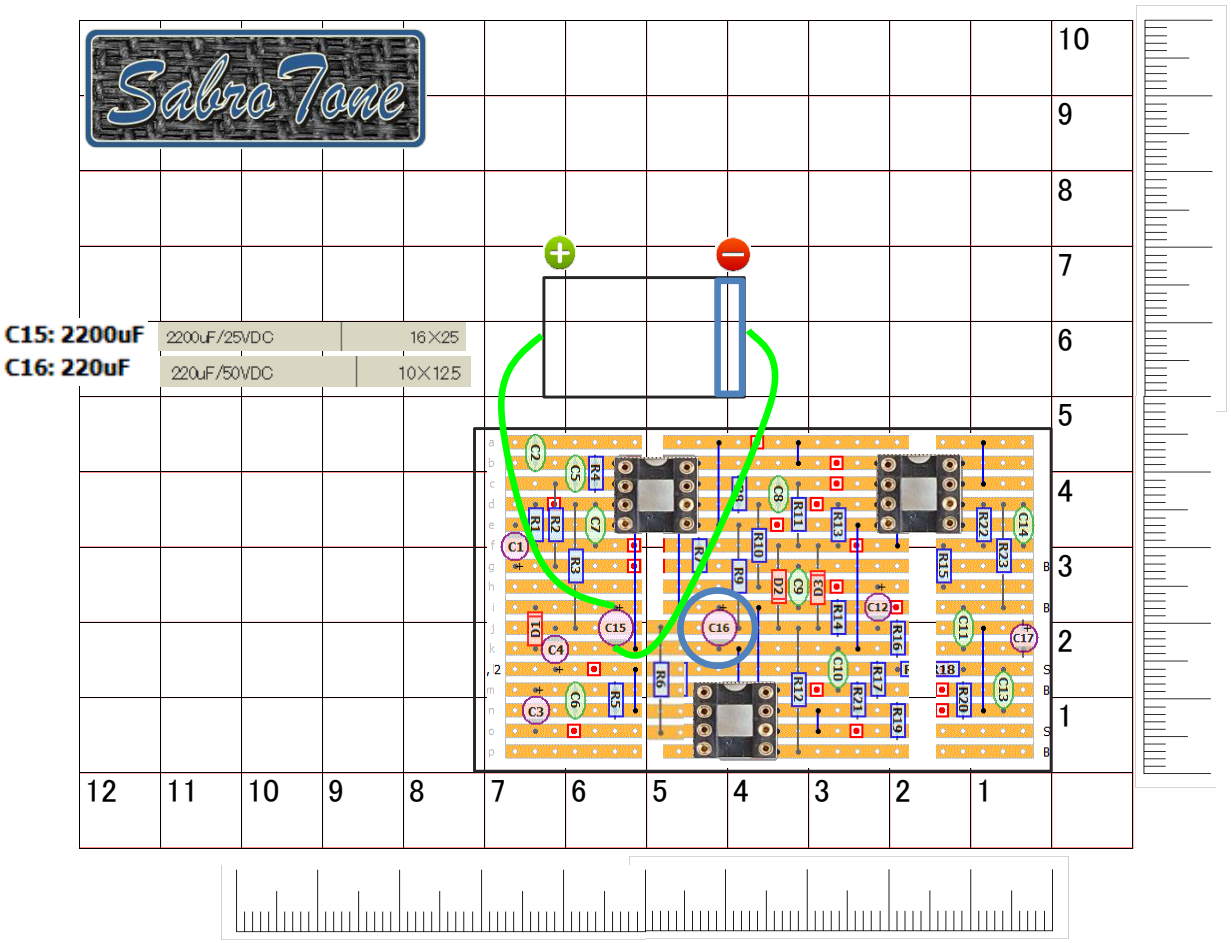
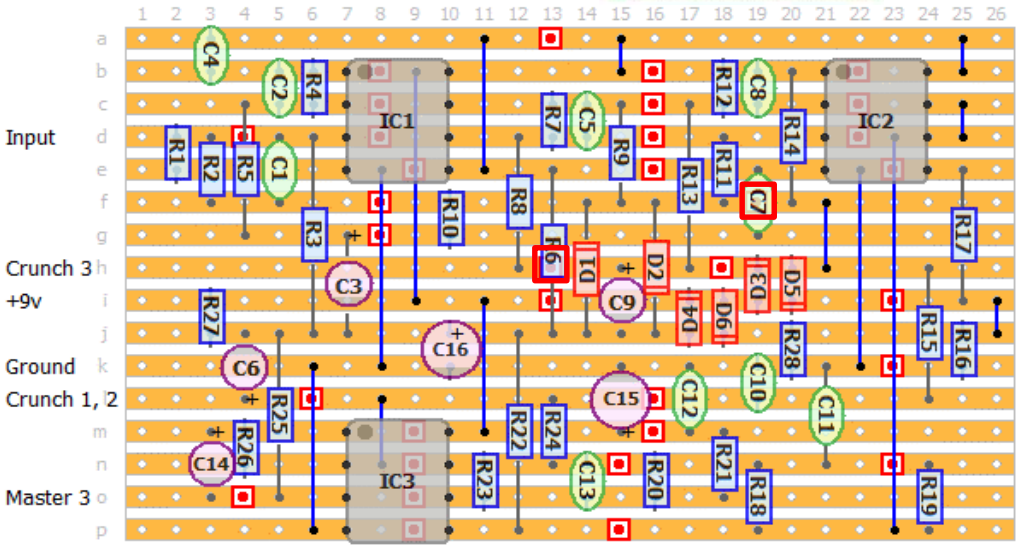


Actual size(実寸大)

G2D Custom Overdrive

VERIFIED



shimmer きらめく

R1: 2.2M
R2: 1K
R3: 1M
R4: 10K
R5: 1K
R6: 10K
R7: 10K
R8: 1K
R9: 1K
R10: 4.7K
R11: 1K
R12: 10K
R13: 1K
R14: 1K
R15: 4.7K
R16: 10K
R17: 1M
R18: 10K
R19: 1K
R20: 47K
R21: 100K
R22: 22K
R23: 100K
R24: 10K
R25: 4.7K
R26: 10K
R27: 10K
R28: 10K

C1: 3.3nF
C2: 680pF
C3: 2.2uF
C4: 22nF
C5: 680pF
C6: 2.2uF
C7: 3.3nF
C8: 680pF
C9: 1uF
C10: 6.8nF
C11: 220nF
C12: 22nF
C13: 68pF
C14: 2.2uF
C15: 2200uF
C16: 220uF

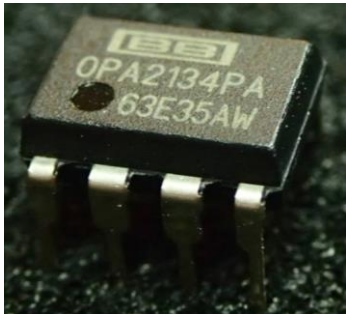
IC1: OPA2134
IC2: OPA2134
IC3: OPA2134
D1: 1N4148
D2: 1N4148
D3: 1N4148
D4: 1N4148
D5: 1N4148
D6: 1N4148

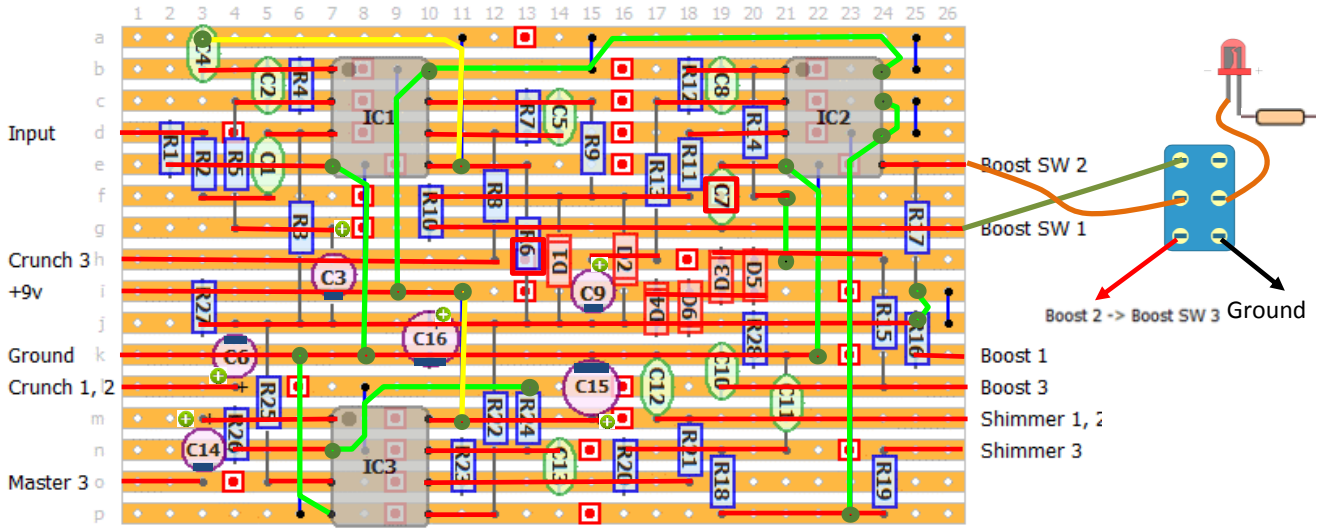
Crunch: 10k linear
Boost: 10k linear
Shimmer: 10k linear
Master: 10k linear
Boost SW: SPDT on-on

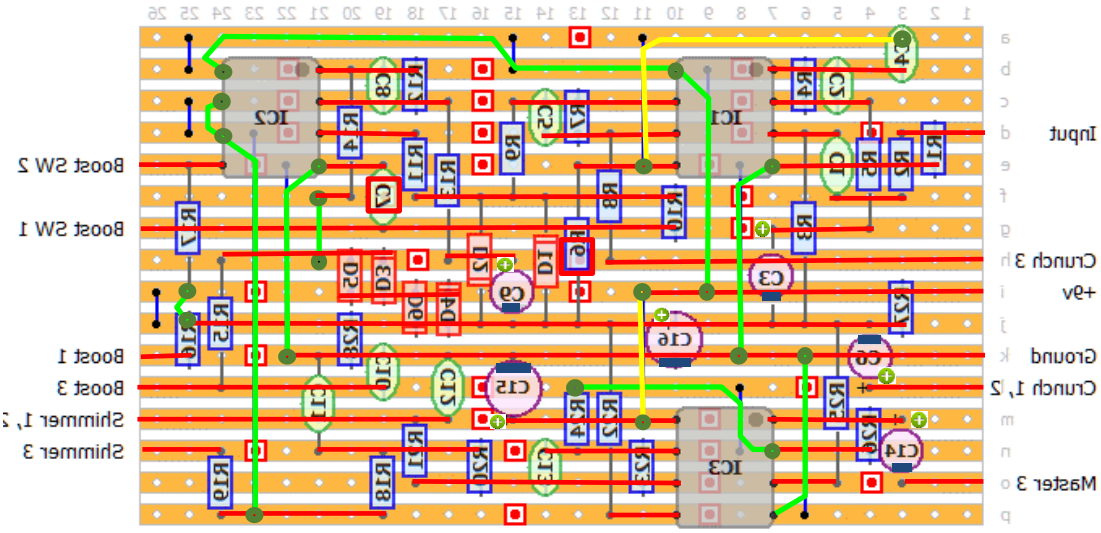
Boost 2 -> Boost SW 3
Master 2 -> Output
Master 1 -> Ground

Notice cuts underneath R6 and C7
Capacitors rated 16v+

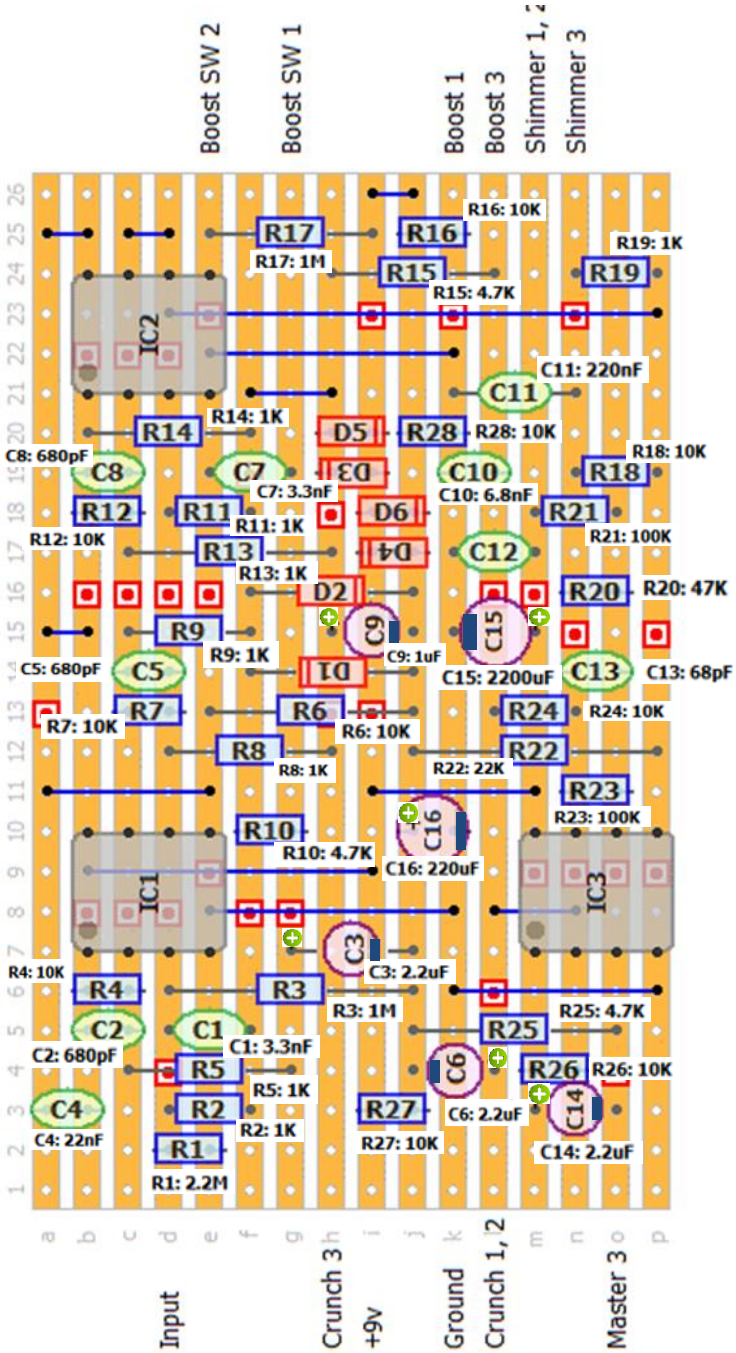
1k	8	
4k7	3	
10k	10	
22k	1	
47k	1	
100k	2	
1M	2	
2M2	1	
	28	
68p	1	
680p	3	
3n3	2	
6n8	1	
22n	2	
220n	1	
1u	1	
2u2	3	
220u	1	
2200u	1	
	16	
1N4148	6	
6p-on-on	1	Boost
10kB	4	
Led赤	1	3mm
Led青	1	3mm
9pFSW	1	
OPA2134	3	




Input
Crunch 3
+9v
Ground
Crunch 1, 2
Master 3
Boost SW 2
Boost SW 1
Boost 2 -> Boost SW 3
Ground
Boost 1
Boost 3
Shimmer 1, 2
Shimmer 3
IC1
IC2
IC3




Volume
Tone
Solo
Drive
Custom
OVERDRIVE
On
Solo



R1: 2.2M
R2: 1K
R3: 1M
R4: 10K
R5: 1K
R6: 10K
R7: 10K
R8: 1K
R9: 1K
R10: 4.7K
R11: 1K
R12: 10K
R13: 1K
R14: 1K
R15: 4.7K
R16: 10K
R17: 1M
R18: 10K
R19: 1K
R20: 47K
R21: 100K
R22: 22K
R23: 100K
R24: 10K
R25: 4.7K
R26: 10K
R27: 10K
R28: 10K

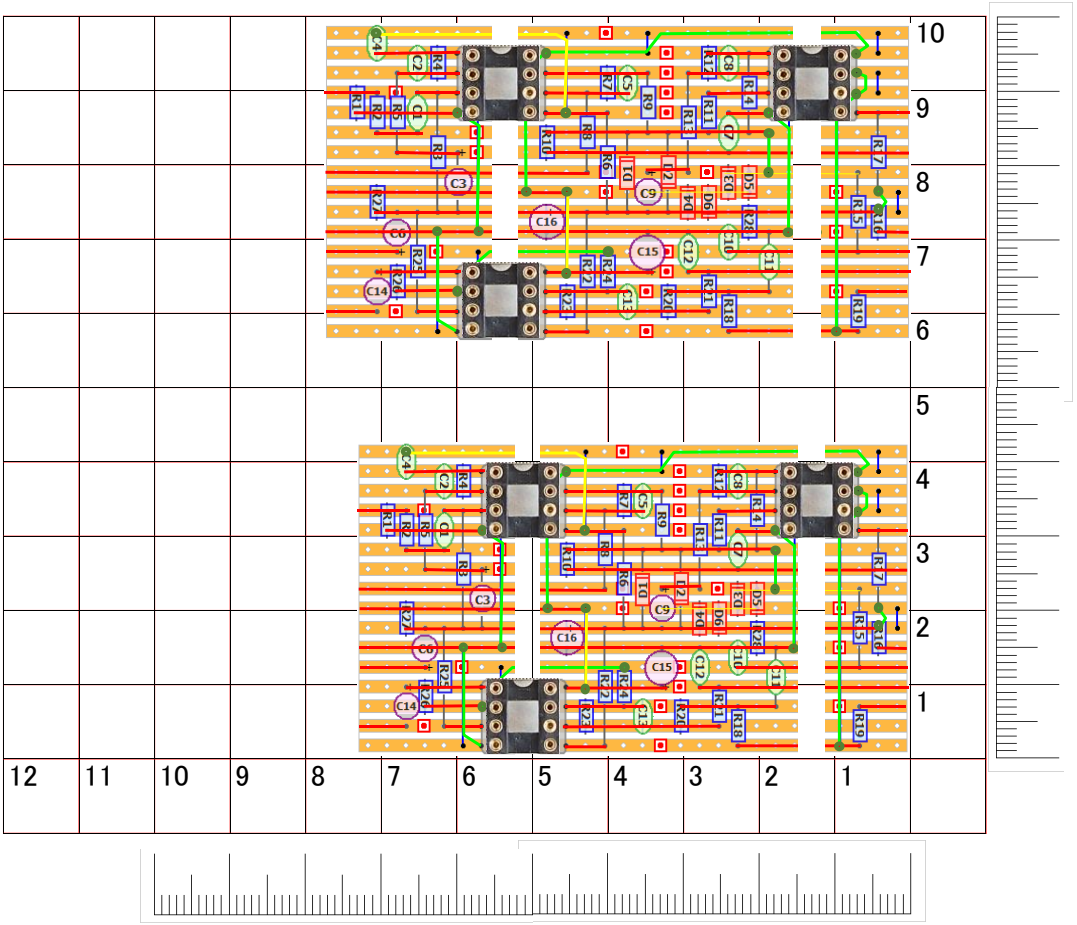
C1: 3.3nF
C2: 680pF
C3: 2.2uF
C4: 22nF
C5: 680pF
C6: 2.2uF
C7: 3.3nF
C8: 680pF
C9: 1uF
C10: 6.8nF
C11: 220nF
C12: 22nF
C13: 68pF
C14: 2.2uF
C15: 2200uF
C16: 220uF

IC1: OPA2134
IC2: OPA2134
IC3: OPA2134
D1: 1N4148
D2: 1N4148
D3: 1N4148
D4: 1N4148
D5: 1N4148
D6: 1N4148

Crunch: 10k linear
Boost: 10k linear
Shimmer: 10k linear
Master: 10k linear
Boost SW: SPDT on-on

Boost 2 -> Boost SW 3
Master 2 -> Output
Master 1 -> Ground

Notice cuts underneath R6 and C7
Capacitors rated 16v+



41pics=10mm

Actual size(実寸大)