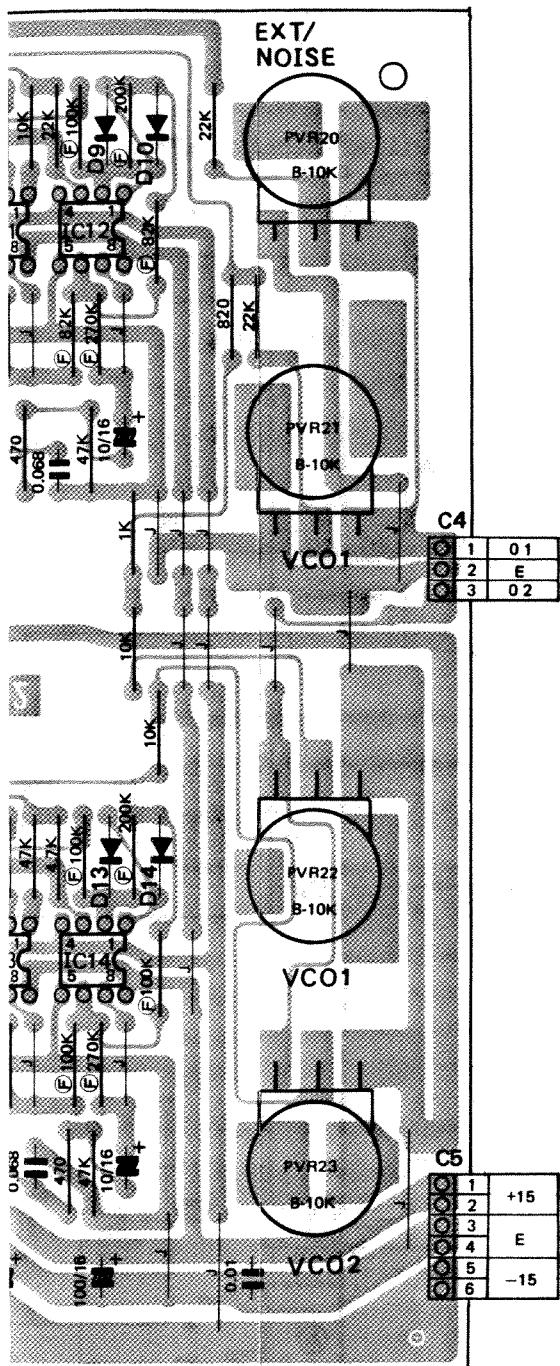
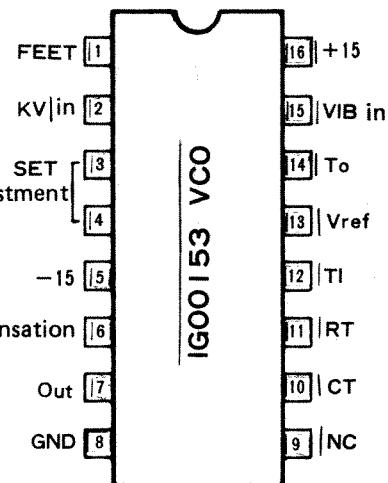


CPA Circuit Board

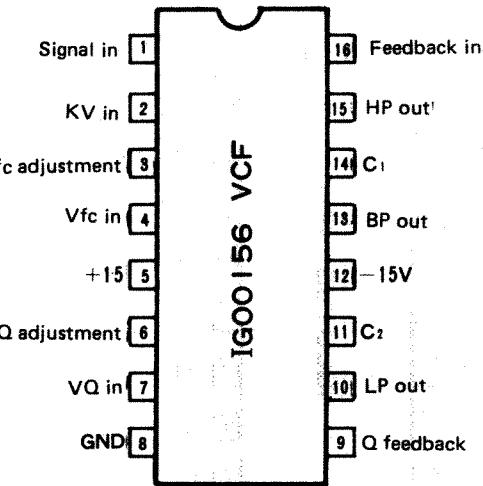


● VCO • IC (IG00153)

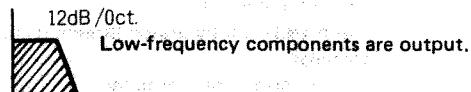


1. FT FEET Change
2. KV KEY VOLT input terminal
3. 4. OFF SET . . . VR4 connects to 3 and 4 which adjusts midpoint frequency (lower key's note) so that VCOIII's output frequency correspond to KEY voltage.
5. VEE -15V input terminal
6. Com Terminal for phase compensation
7. Out VCO output terminal ()
8. GND Ground terminal
9. NC Unused
10. CT C and R which determine frequency (highest key note) connect.
11. RT Monostable multivibrator threshold voltage input terminal
12. TI Time interval input terminal
13. Vref. Resistor which supplies regulated current connects
14. To. Integration capacitor connects
15. Vib. Vib in
16. Vcc +15V input terminal

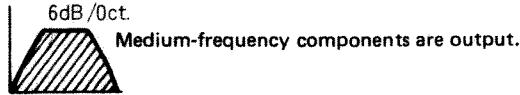
● VCF • IC (IG00156)



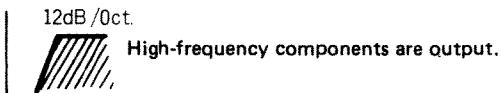
1. AI Audio signal in
Signal comes from VCO and WSC.
2. KV Key voltage in
Key voltage comes in to scan keyboard.
3. fc Cutoff frequency adjustment
Sets cutoff control current.
4. Vf Cutoff voltage in
Cutoff control voltage comes in to vary tone.
Cutoff center is also adjusted.
5. Vcc +15V input terminal
6. Qo Q adjustment
7. VQ Q control voltage in
Control voltage comes in to vary Q.
8. GND Ground
9. FB Q feedback
10. LP Low-pass filter output



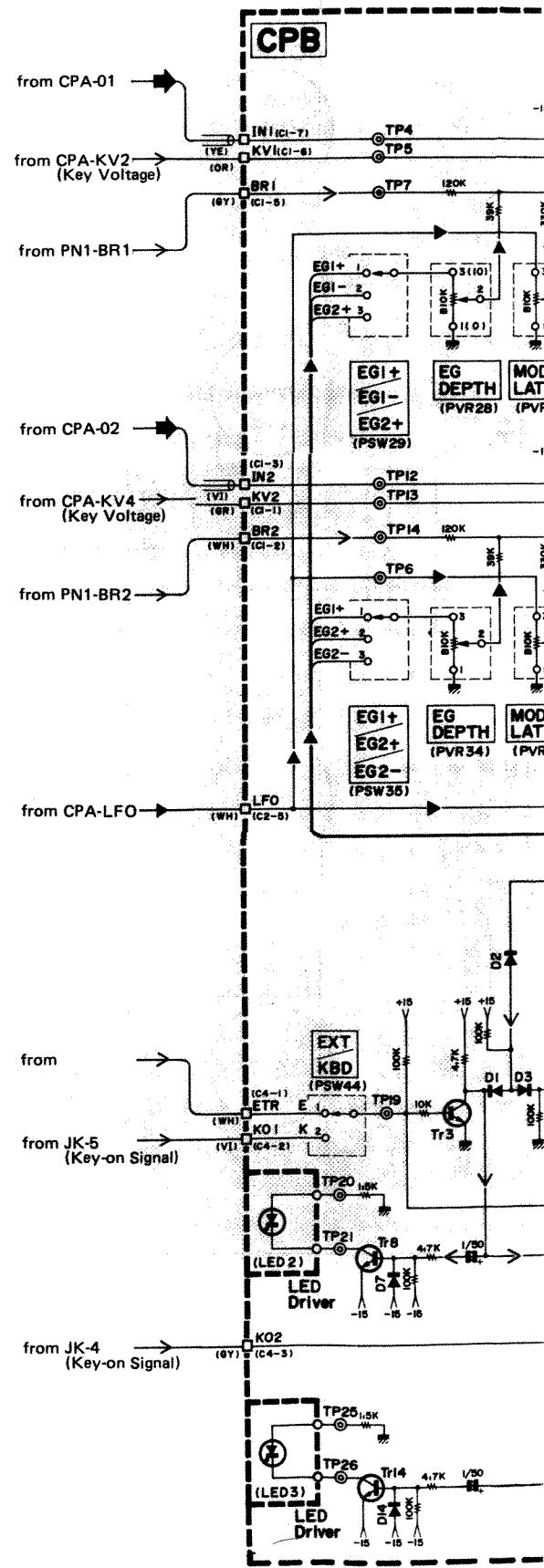
11. C2 Connects to capacitor determining cutoff frequency.
12. Vcc -15V input terminal
13. BP Band-pass filter output



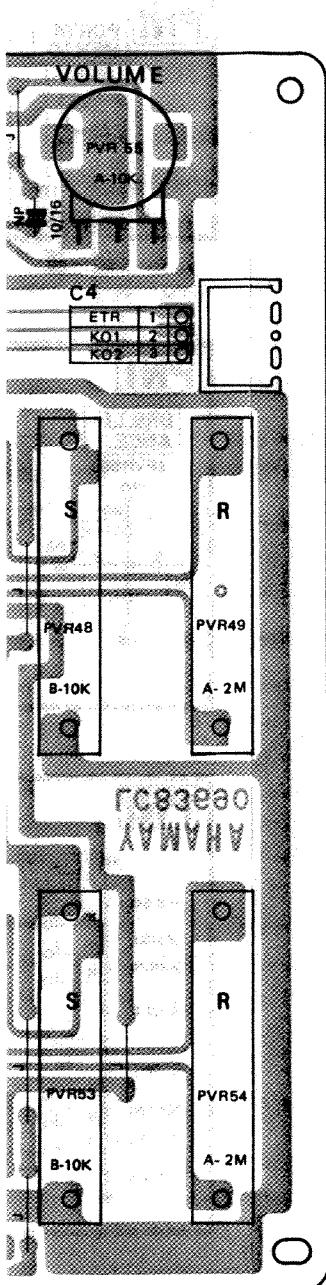
14. CI Connects to capacitor determining cutoff frequency.
15. HP High-pass filter output



16. IN Feedback in
Feedback signal comes in which determines cut-off frequency.



CPB Circuit Board



● VCA • IC (IG00151)

