

FILED ON 12/E

March 11

Dear Woody and Steina,

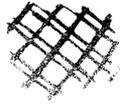
Found a job--selling equipment for MPCs. This is partially a commission situation, and while I'm probably not permitted to sell to you (Alan Neal's territory), I may be permitted to sell to Media Study (some question here) and can certainly sell to ETC/Binghampton, Hallwalls, and the various other folks up there. So, please spread the word. Prices will be the lowest and apply to film, video, sound equipment and most supplies.

The reason I write is that MPCs, incredibly, does not have documentation on their R/E. With the exception of Brumage, nobody there knows either how it works or how to use it. Henry B. (can't remember his last name, head of production) asked me for documentation (did Rutt fuck them over too?) and I shall lend them Washer's but I think Jeffy's might be more ~~helpful~~ useful to them. Control sources and processors are as on your machine, except that they have the "music interface," which probably will never give them any problems. Incidentally, their display is unlike any I've ever seen. It's an oscilloscope tube (round) in a long, thin and square Cohu-like casing. I doubt it's a R/E product; I suspect Brumage built it but he's not been available for questioning. If you would be so kind as to have Jeffy's copied, preferably at some place where you don't have to do the copying yourself, and bill MPCs for the costs, all concerned would be most grateful. (514 W. 57, 10019, my attention). ~~There~~ They are fully aware that the relationship between anyone's documentation and their machine will be distant.

Have you had further discussions with Ralph and Sherry? What's going on in that sector? Now that I'm reasonably settled and have sufficient income, I'd like to finish what we started. It would be possible to meet you in Binghampton during a weekend, or perhaps if all four of you find yourself in NYC at the same time.

Reagrds, and I shall write with more substantive things soon. (Repayment of debts upon receiving first paycheck, next week).

RUTT/ETRA VIDEO SYNTHESIZER

In minutes  instead of days  you can animate  images from flat art , a TV camera , videotape  or motion picture . The images can be in color  or black-and-white . . . in high contrast  or continuous  tones. You can also generate within the synthesizer endless variations of abstract lines , forms  and patterns .

You can alter all – or parts – of image height , width , depth , shape , position , brightness , and movement . It is also possible for you to rotate images in two-dimensional  and three-dimensional  space.

Your pre-set animation and timing can be rehearsed  and then repeated automatically. Synthesizers can be equipped to animate many separate graphic elements  simultaneously.

Surpassing conventional TV effects generators  the R/E synthesizer generates key visual inserts of any desired shape which you can reshape  and animate  without moving the original graphic or its pickup camera.

The synthesizer can also be controlled by outside events such as music , speech , bio-physical sensors , etc., reflecting non-visual  phenomena in graphic display .

Finally: the synthesized images are displayed on a high resolution kinescope  and picked up by a TV camera  to be fed into a videotaping  or broadcasting  system.

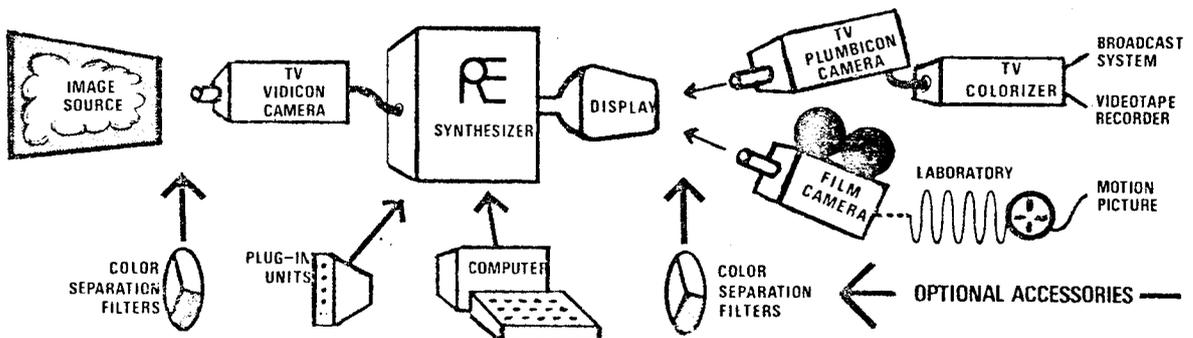
Finally: the synthesized images are displayed on a high resolution kinescope  and picked up by a TV camera  to be fed into a videotaping  or broadcasting  system.

For filming  the display , optional accessories eliminate TV raster  lines from the filmed  image.

Cost-saving breakthroughs put the R/E VIDEO SYNTHESIZER within  the financial grasp of many video and film organizations, with these advantages, among others:

1. Major savings of labor, time and materials in producing conventional animation, optical effects and transitions, backgrounds, etc.
2. Endless potentials for new approaches to TV and film commercials, news, sports, weather, educational, artistic and experimental programs and films.

The basic RUTT/ETRA VIDEO SYNTHESIZER is designed to accommodate components and accessories for initial or subsequent installation to fit the user's budget and changing objectives.



RUTT ELECTROPHYSICS

21-29 West 4th Street, New York, N.Y., 10012 (212) 982-8300

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ORIGINAL GRAPHIC

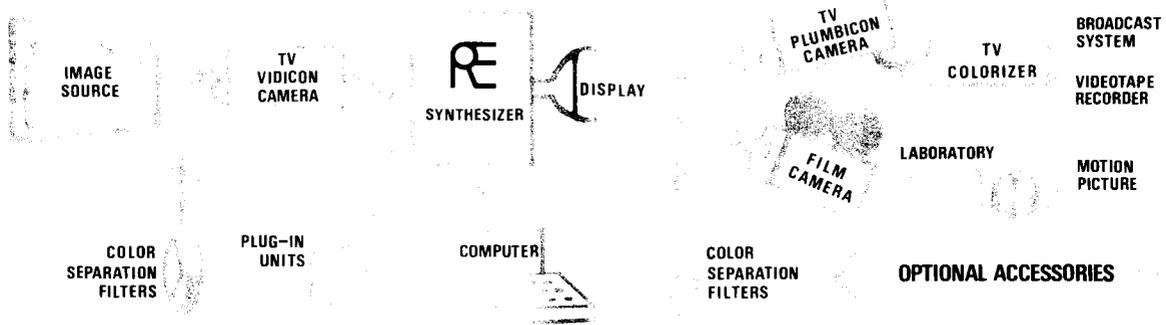
WELCOME TO THE WORLD OF VIDEO SYNTHESIS!

Video synthesis opens the door to a vast new world of dynamic visuals serving functional and artful purposes. It yields major economies in time, labor and materials required for title, graphics and background animation. Already attracting much attention in commercial TV program and advertising fields, it dramatically expands the horizons of experimental video art.

It realizes the dreams of audio-visual producers for a quicker, more economical way to manipulate TV and film images without resorting to cell animation.

Emerging from the early principles of video image manipulation used for radar in the '40s, expanded in video flight simulators of the '50s and in experimental video art of the '60s, the RUTT/ETRA VIDEO SYNTHESIZER represents engineering and cost-saving breakthroughs bringing this incredible facility within the financial grasp of many video and film producers.

The basic RUTT/ETRA VIDEO SYNTHESIZER is designed to accommodate components and accessories for initial or subsequent installation to fit the user's budget and changing objectives.



Price per \$8,500.00

DISPLAY CONTROL UNIT

- Two separate sets of control varying image:
 - Height** Reduces to thin line; expands inverted image beneath. Rotates horizontally.
 - Width** Varies and inverts. Rotates vertically.
 - Depth** Advances and recedes.
 - Vert. Position** Up-down on or off screen.
 - Horiz. Position** R-L on or off screen.
 - Intensity** Controls brightness.
 - Horiz. Center** Moves image through preset patterns, ala words around theatre marquee.
 - Vert. Center** Adjusts vertical axis.
- Plus . . .SCAN RATE switch. . .DISPLAY 0°/90° rotating image 90° . . .INT./EXT. SYNC.

ANIMATION CONTROL MODULES

- Summing Amplifier** Combines functions.
- Diode Module** Divides waveforms & timing ramps.
- Ramp Generator** Automatic control of animation at preset speed and period of time.
- Audio Interface** Drives animation with audio, bio-feedback or other external signals.
- (2) **Waveform Generators** Produces graphic forms for display or for reshaping and animating images. Controls frequency, waveshape, duty cycle, amplitude & Frequency modulation, sync.

DISPLAY UNIT (Type A)

Displays 525-line synthesized images.

RE-4 B Video Synthesizer \$16,300.00

Similar to RE-4-A, but substitutes Type B DISPLAY (1050-line scan) yielding full NTSC resolution in rescanned image for two-inch hi-band videotape or direct telecast.

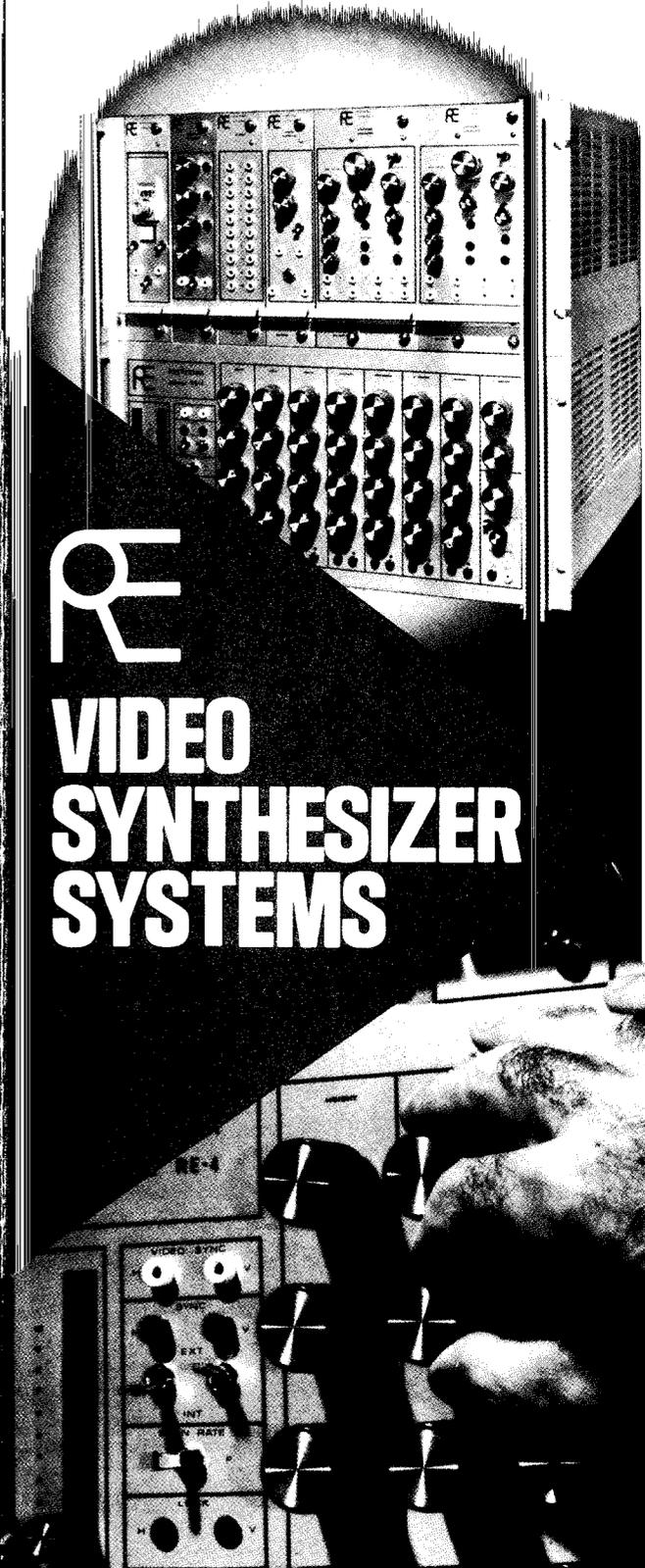
Manufactured by RUTT ELECTROPHYSICS

SEND FOR full details about RE systems, optional plug-in units and accessories.

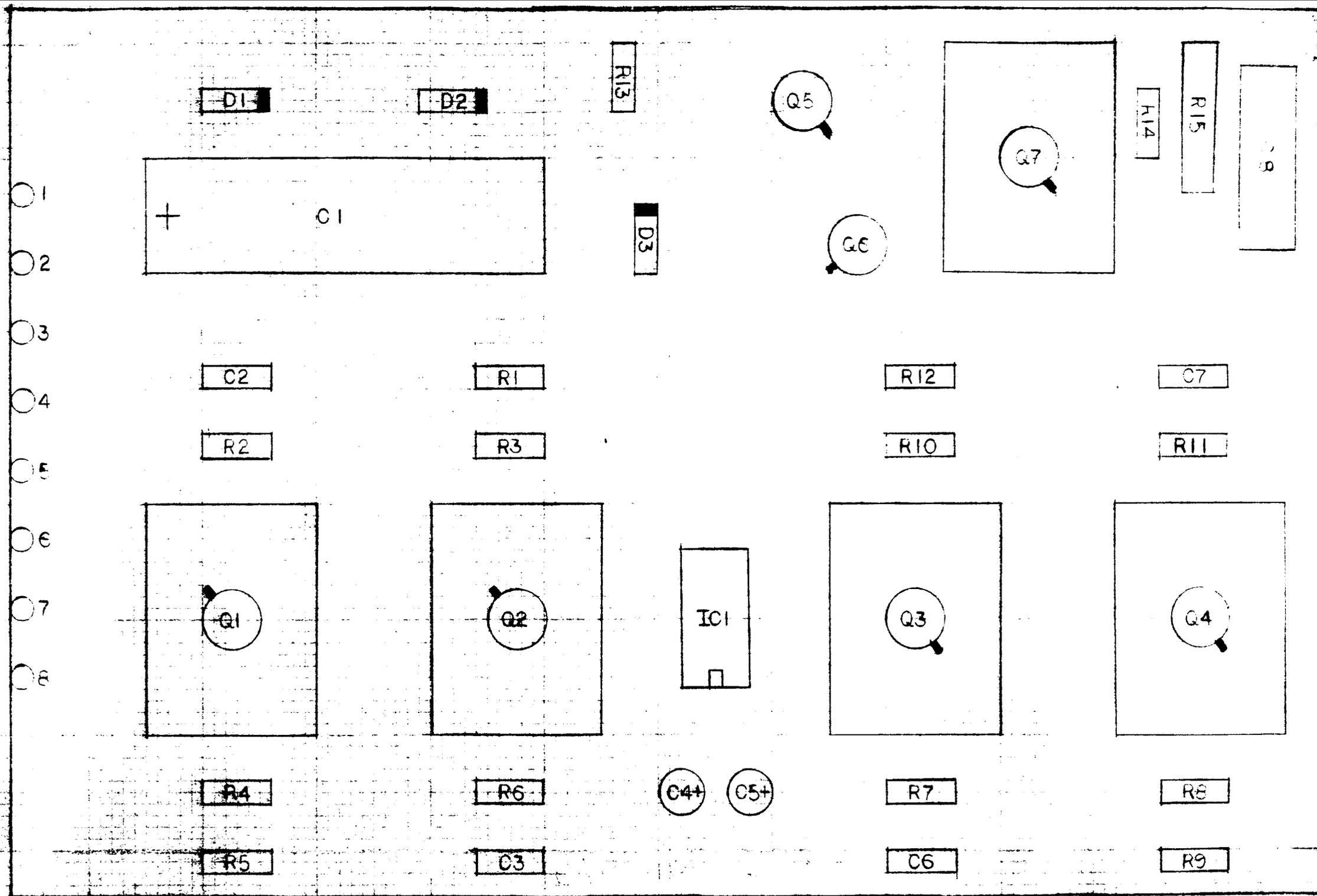
SOLE DISTRIBUTOR



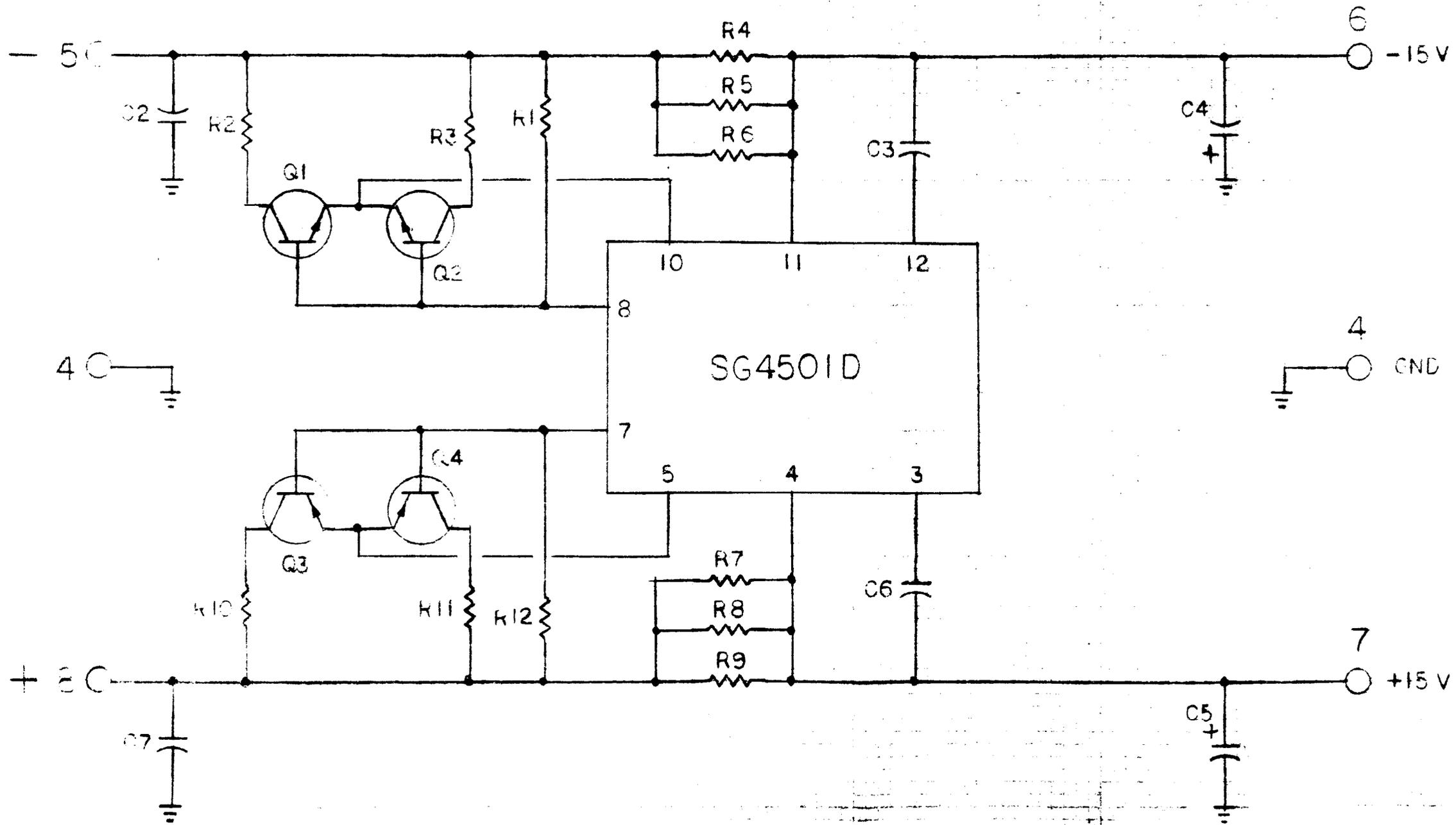
MPCS COMMUNICATIONS INDUSTRIES, INC.
424 West 49th St., New York 10019
(212) 586-3690

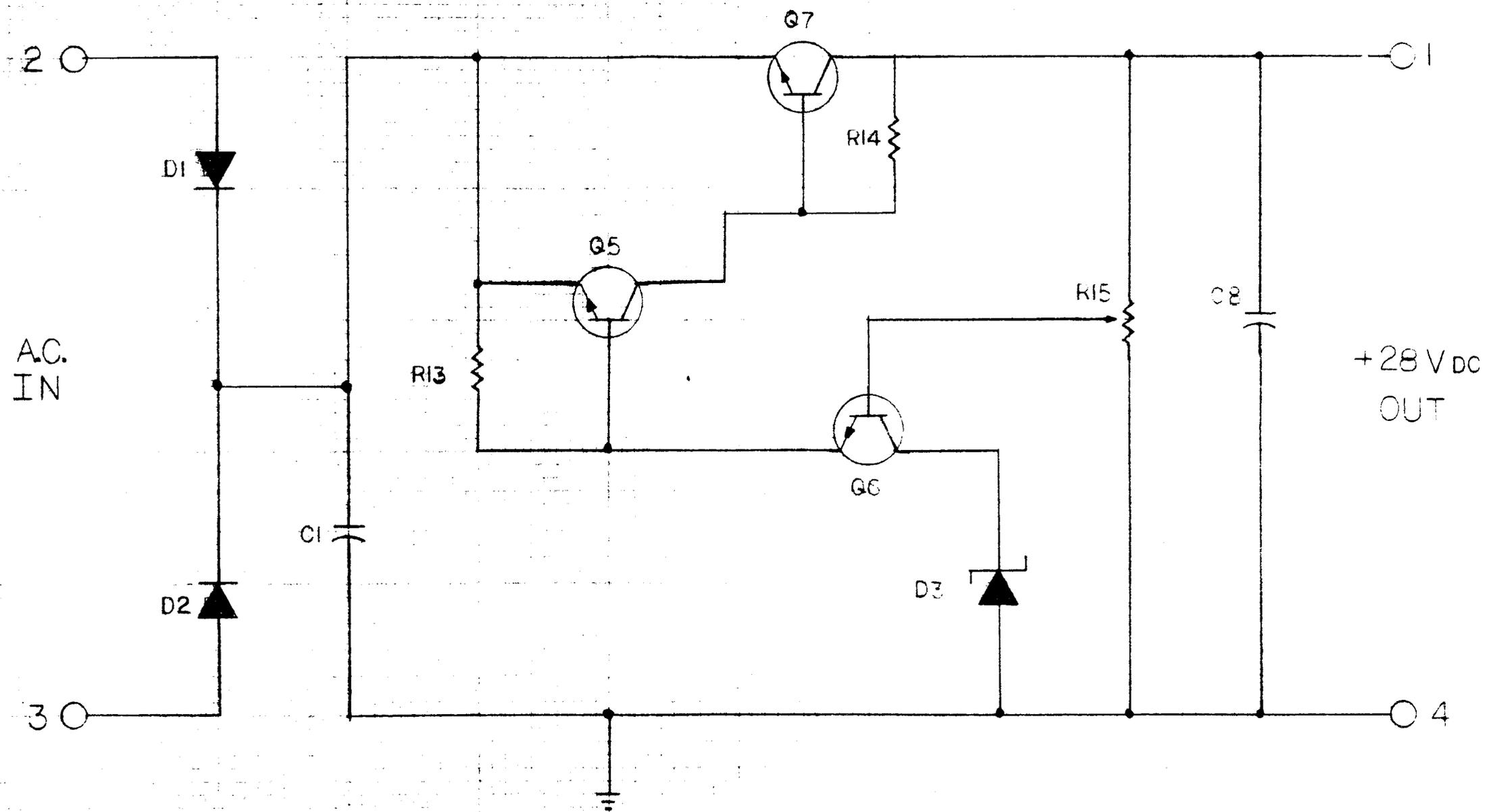


IC1	5G 4501 D
Q1, Q2, Q7	RCA 40409
Q3, Q4	RCA 40410
Q5, Q6	MOT 2N4239
D1, D2	1N4385
D3	1N 30 volt zener
C1	1000 mfd 50 WVDC
C2, C3, C6, C7	.1 mfd 50 WVDC
C4, C5	blue, gr, br Tantalum 50 WVDC
C8	.35 mfd 50 WVDC
R1	68 ohm $\frac{1}{2}$ W 10%
R2-R11	.5 ohm $\frac{1}{2}$ W 1%
R12	75 ohm $\frac{1}{4}$ W 5%
R13	10K ohm $\frac{1}{2}$ W 5%
R14	1K ohm $\frac{1}{4}$ W 5%
R15	20K ohm trimmer pot.



PC-124 LAYOUT





(2/2) PC-124

MOXON