

VCO 1

COARSE FREQ

4

6

7

8

9

10

1

2

3

FINE FREQ

4

6

7

8

9

10

1

2

3

WAVEFORM

⌚

⌚

PULSE WIDTH %

40

60

70

80

90

10

20

30

⌚

⌚

PWM SYNC

LOG-CV LIN-CV

VCO 2

COARSE FREQ

4

6

7

8

9

10

1

2

3

FINE FREQ

4

6

7

8

9

10

1

2

3

WAVEFORM

⌚

⌚

PULSE WIDTH %

40

60

70

80

90

10

20

30

⌚

⌚

PWM SYNC

LOG-CV LIN-CV

VCO 3

COARSE FREQ

4

6

7

8

9

10

1

2

3

FINE FREQ

4

6

7

8

9

10

1

2

3

WAVEFORM

⌚

⌚

PULSE WIDTH %

40

60

70

80

90

10

20

30

⌚

⌚

PWM SYNC

LOG-CV LIN-CV

MIXER

VCO 1 LEVEL

4

6

7

8

9

10

1

2

3

VCO 2 LEVEL

4

6

7

8

9

10

1

2

3

VCO 3 LEVEL

4

6

7

8

9

10

1

2

3

EXT. IN LEVEL

4

6

7

8

9

10

1

2

3

WHITE NS LEVEL

4

6

7

8

9

10

1

2

3

NOISE OUTPUTS

VOLTAGE CONTROLLED LOWPASS FILTER (12DB/OCT)

INITIAL CUTOFF

4

6

7

8

9

10

1

2

3

AR MOD

4

6

7

8

9

10

1

2

3

LFO-1 MOD

4

6

7

8

9

10

1

2

3

RESONANCE

4

6

7

8

9

10

1

2

3

EXT CV

AR GENERATOR

ATTACK

4

6

7

8

9

10

1

2

3

RELEASE

4

6

7

8

9

10

1

2

3

MODE TRIG

RANGE LONG

GATE SHORT

MANUAL GATE

GATE/TRIG IN

AR OUTPUTS

VOLTAGE CONTROLLED AMPLIFIER

INITIAL LEVEL

4

6

7

8

9

10

1

2

3

AR MOD

4

6

7

8

9

10

1

2

3

LFO-2 MOD

4

6

7

8

9

10

1

2

3

EXT CV

LOW FREQUENCY OSC - 1

RATE

4

6

7

8

9

10

1

2

3

RANGE HIGH

LFO-1 OUTPUTS

LOW

LOW FREQUENCY OSC - 2

RATE

4

6

7

8

9

10

1

2

3

RANGE HIGH

LFO-2 OUTPUTS

LOW

RPT. GATE RATE

4

5

6

7

8

9

10

1

2

3

GATE GATE

ATTENUATORS

4

5

6

7

8

9

10

1

2

3

IN OUT

4

5

6

7

8

9

10

1

2

3

IN OUT

4

5

6

7

8

9

10

1

2

3

IN OUT

4

5

6

7

8

9

10

1

2

3

IN OUT

SAMPLE & HOLD

INPUT

4

6

7

8

9

10

1

2

3

CV-OUT

GLIDE

4

6

7

8

9

10

1

2

3

TRIG

OUTPUT LEVEL

4

6

7

8

9

10

1

2

3

SOUND-LAB
ULTIMATE

MFOS ELECTRONIC MUSIC

Sound Lab ULTIMATE Main Panel Silk Screen Drawing

Drawn By: Raymond Wilson, Feb 15, 2009
Material is 13.00" x 8.30" 1/16" thick aluminum plate suitable for electrical panel
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