

ADSR ENV. GEN.

ATTACK

DECAY

SUSTAIN

RELEASE

GATE MAN. GATE

ADSR RANGE LONG

TRIG SHORT

EXT. SIG. BUFFER

SIGNAL BOOST

OUT OUT

VOLTAGE CONTROLLED AMPLIFIER

INITIAL AMP

INPUT CV1 CV2

STATE VARIABLE VCF

INITIAL COF

RESONANCE

INPUT CV1 CV2 RES-CV

INPUT HP-OUT BP-OUT LP-OUT

ADSR OUT ADSR OUT

ULTIMATE MIXER OUT

ANALOG MULTIPLIER

X-IN Y-IN XY-OUT

CV-INVERTER

INPUT OUT

ATTENUATORS

IN IN

SIGNAL MIXER

IN-1 IN-2 IN-3 IN-4

LINE OUT SELECT VCA MIX

ENVELOPE FOLLOWER

INPUT FOLLOWER LAG EF OUT

MFOS ULTIMATE EXPANDER