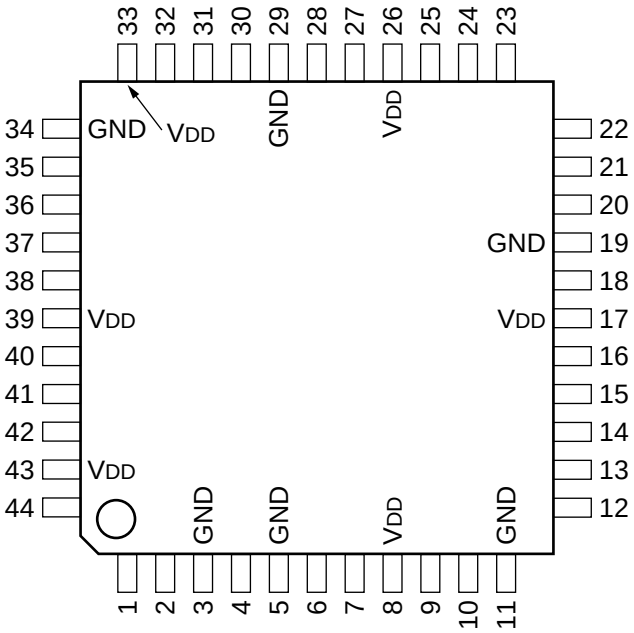
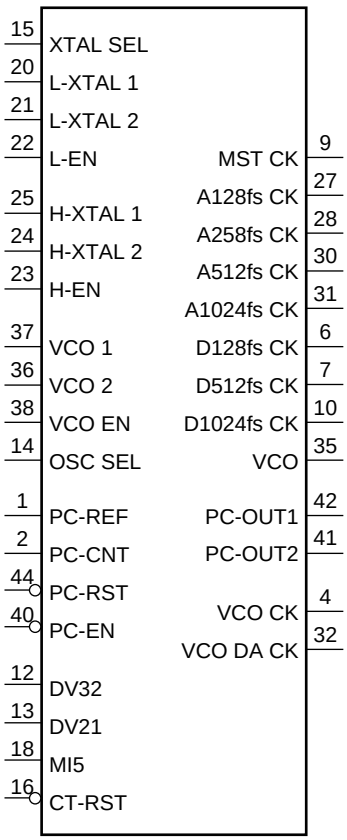
C-MOS AUDIO PLL OSCILLATOR

—TOP VIEW—



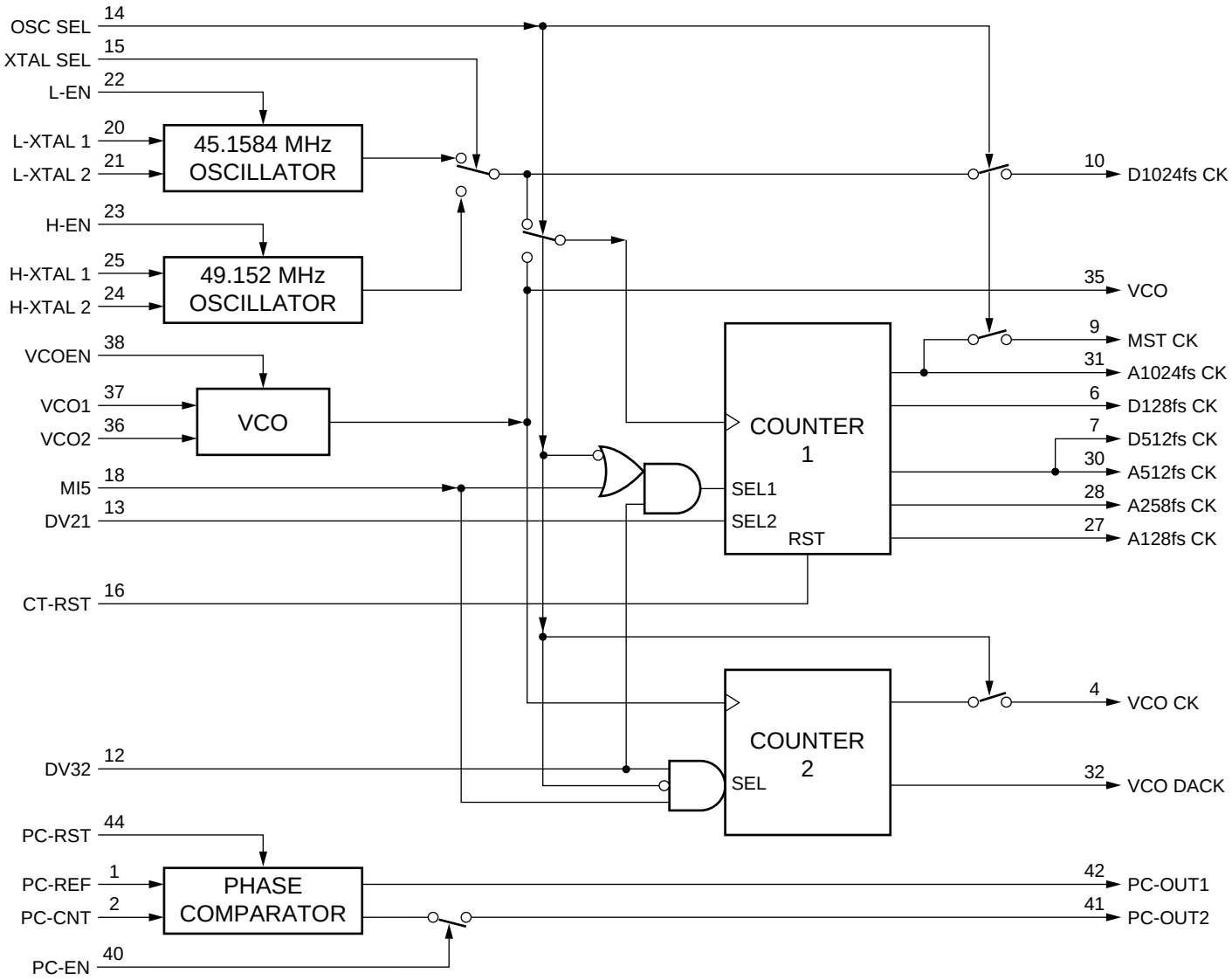


INPUT

CT-RST	:	COUNTER RESET INPUT
DV21	:	SPEED MODE SELECT INPUT (H = x2 SPEED, L = x1 SPEED)
DV32	:	FS SELECT INPUT (H = 32 kHz, L = 44.1 kHz/48 kHz)
H-EN	:	HIGHER CRYSTAL OSCILLATOR ENABLE INPUT (H = ENABLE)
H-XTAL 1	:	49.152 MHz CRYSTAL OSCILLATOR INPUT
L-EN	:	LOWER CRYSTAL OSCILLATOR ENABLE INPUT (H = ENABLE)
L-XTAL 1	:	45.1584 MHz CRYSTAL OSCILLATOR INPUT
MI5	:	COUNTER DIVIDING RATIO SELECT INPUT (H = 1/1.5, L = 1/1)
OSC SEL	:	MASTER CLOCK SELECT INPUT (H = VCO, L = CRYSTAL)
PC-CNT	:	PHASE COMPARATOR CONTROL INPUT
PC EN	:	PC-OUT2 ENABLE INPUT
PC-REF	:	PHASE COMPARATOR REFERENCE INPUT
PC-RST	:	PHASE COMPARATOR RESET INPUT
VCO 1	:	VCO INPUT
VCO EN	:	VCO ENABLE INPUT (H = ENABLE)
XTAL SEL	:	MASTER CLOCK SELECT INPUT (H = 48 MHz, L = 45 MHz)

OUTPUT

A128fs CK	:	ANALOG SYSTEM A/D CONVERTER 128fs CLOCK
A258fs CK	:	ANALOG SYSTEM A/D AND D/A CONVERTERS 258fs CLOCK
A512fs CK	:	ANALOG SYSTEM D/A CONVERTER 512fs CLOCK
A1024fs CK	:	ANALOG SYSTEM D/A CONVERTAR 1024fs CLOCK
D128fs CK	:	DIGITAL SYSTEM 128fs CLOCK
D512fs CK	:	DIGITAL SYSTEM 512fs CLOCK
D1024fs CK	:	DIGITAL SYSTEM 1024fs CRYSTAL OSCILLTOR CLOCK
H-XTAL 2	:	49.152 MHz CRYSTAL OSCILLATOR OUTPUT
L-XTAL 2	:	45.1584 MHz CRYSTAL OSCILLATOR OUTPUT
MST CK	:	MASTER CLOCK (1024fs) OUTPUT
PC-OUT1	:	PHASE COMPARATOR OUTPUT
PC-OUT2	:	PHASE COMPARATOR OUTPUT (WITH ENABLE CONTROL)
VCO	:	VCO OUTPUT
VCO 2	:	VCO OUTPUT
VCO CK	:	VCO CLOCK (512fs) OUTPUT
VCO DA CK	:	VCO 512fs D/A CLOCK


OSC SEL
14
XTAL SEL
15
L-EN
22
L-XTAL 1
20
L-XTAL 2
21
45.1584 MHz
OSCILLATOR
H-EN
23
H-XTAL 1
25
H-XTAL 2
24
49.152 MHz
OSCILLATOR
VCOEN
38
VCO1
37
VCO2
36
VCO
MI5
18
DV21
13
CT-RST
16
DV32
12
PC-RST
44
PC-REF
1
PC-CNT
2
PC-EN
40
PHASE
COMPARATOR
COUNTER
1
SEL1
SEL2
RST
COUNTER
2
SEL
10
D1024fs CK
35
VCO
9
MST CK
31
A1024fs CK
6
D128fs CK
7
D512fs CK
30
A512fs CK
28
A258fs CK
27
A128fs CK
4
VCO CK
32
VCO DACK
42
PC-OUT1
41
PC-OUT2