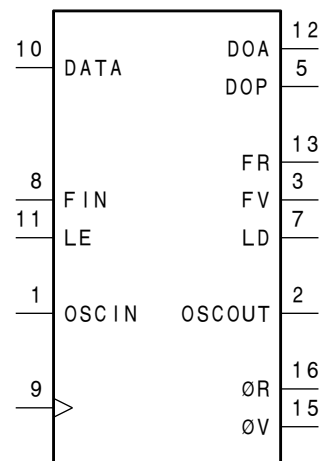
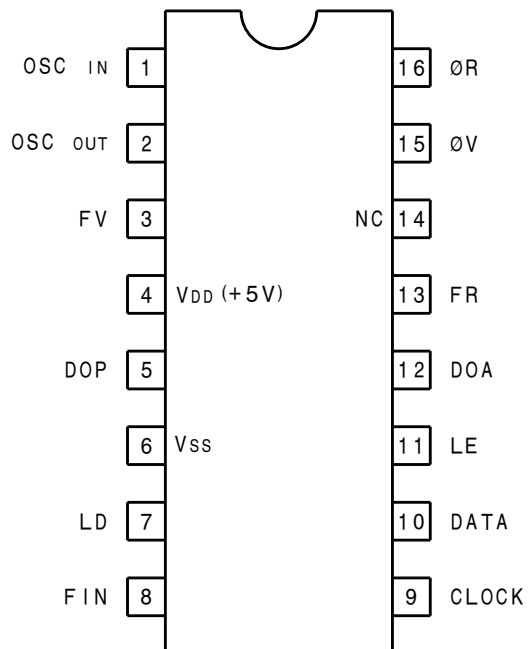

C-MOS PRE-SCALER BILT IN PLL FREQUENCY SYNTHESIZER

-TOP VIEW-



INPUT

CK ;CLOCK
 DATA ;SERIAL DATA
 FIN ;VCO
 LE ;LOAD ENABLE
 OSC ;CRYSTAL OSCILLATOR

OUTPUT

DOA ;DATA OUT (ACTIVE)
 DOP ;DATA OUT (PASSIVE)
 FR, FV ;MONITORS OUTPUT OF THE COMPARATOR
 LD ;PHASE COMPARATOR
 OSC ;CRYSTAL OSCILLATOR
 ØR, ØV ;FOR EXTERNAL CHARGE PUMP

