

Advance Information

Dual PLLs for 46/49 MHz Cordless Telephones

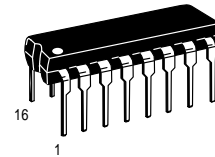
CMOS

These devices are dual phase-locked loop frequency synthesizers intended for use primarily in 46/49 MHz cordless phones with up to 15 channels. These parts contain two mask-programmable counter ROMs for receive and transmit loops with two independent phase detect circuits. A common reference oscillator and reference divider are shared by the receive and transmit circuits.

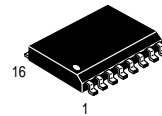
Other features include a lock detect circuit for the transmit loop, illegal code default, a buffered oscillator output for mixing purposes in the system, and a 5.0 kHz tone output.

- Maximum Operating Frequency: 60 MHz @ $V_{in} = 200$ mV p-p
- Operating Temperature Range: - 40 to + 75°C
- Operating Voltage Range: 2.5 to 5.5 V
- On-Chip Oscillator Circuit Supports External Crystal
- Operating Power Consumption: 3.0 mA @ 3.0 V
- Lock Detect Signal
- Standby Mode for Power Savings: 1.5 mA @ 3.0 V
- Two Versions:
 - MC145168 — Up to 15-Channel ROM with 4-Bit Binary Code Input for Channel Pair Selection
 - MC145169 — Up to 15-Channel ROM with Serial Interface for Channel Pair Selection
- Custom 20-Channel ROM Versions of the MC145169 are Possible; Consult Factory

MC145168 MC145169



P SUFFIX
PLASTIC DIP
CASE 648



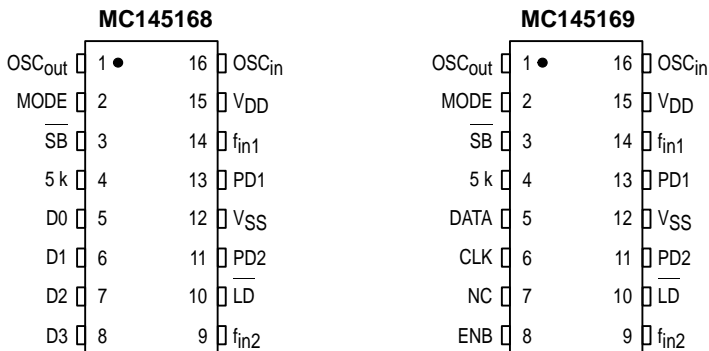
DW SUFFIX
SOG PACKAGE
CASE 751G

ORDERING INFORMATION

MC145168P	Plastic DIP
MC145168DW	SOG Package
MC145169P	Plastic DIP
MC145169DW	SOG Package

**NOT RECOMMENDED FOR NEW DESIGNS;
PRODUCT TO BE PHASED OUT.**
Closest equivalent is MC145162.


PIN ASSIGNMENTS



NC = NO CONNECTION

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