

**8-Bit, 40MSPS, 2-Channel D/A Converter**

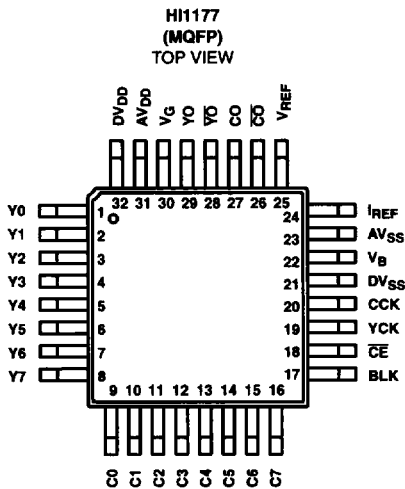
The HI1177 is a dual 8-bit CMOS digital-to-analog converter. It has input/output equivalent to 2 channels of Y and C for video use or I and Q for modulators.

The HI1177 is available in the industrial temperature range and is supplied in a 32 lead plastic metric quad flatpack (MQFP) package.

**Ordering Information**

PART NUMBER	TEMP. RANGE (°C)	PACKAGE	PKG. NO.
HI1177JCQ	-40 to 85	32 Ld MQFP	Q32.7x7-S

**Pinout**



**Features**

- Resolution . . . . . 8-Bit
- Maximum Conversion Speed . . . . . 40MHz
- YC 2-Channel Input/Output
- Differential Linearity Error. . . . . ± 0.3 LSB
- Low Power Consumption . . . . . 160mW (200Ω Load for 2V<sub>p-p</sub> Output)
- Power Supply . . . . . +5V Single
- Power-Down Mode
- Low Glitch Noise
- Direct Replacement for Sony CXD1177

**Applications**

- I/Q Modulation
- YC Video
- Digital TV
- Wireless Transmitters

3  
SIGNAL  
PROCESSING