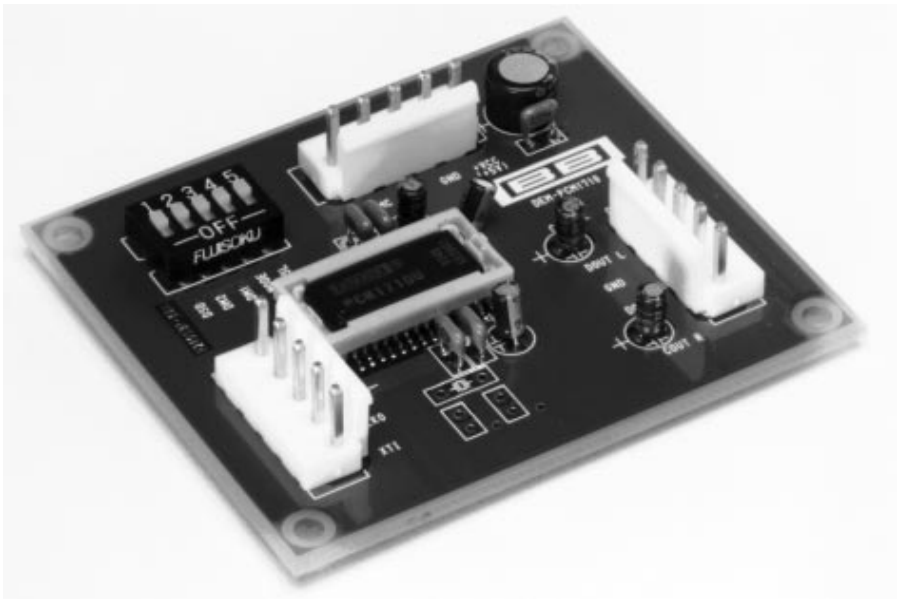
BURR - BROWN®

DEM-PCM1710
EVALUATION FIXTURE



FEATURES

- **DUAL MULTI-LEVEL NOISE SHAPING DAC WITH ON-CHIP DIGITAL FILTER**
- **HIGH PERFORMANCE: THD+N: 0.0025%**
  Dynamic Range: 98dB typ
  S/N Ratio: 110dB typ
- **ANALOG VOLTAGE OUTPUT: V_o = 3.2Vp-p**
- **ON-CHIP POST ANALOG LOW PASS FILTER**
- **SYSTEM CLOCK 256fs or 384fs**
- **ON-CHIP 8X OVERSAMPLING DIGITAL FILTER WITH:**
  Soft Mute and Attenuator
  Digital De-Emphasis
  Double Speed Dubbing Mode
- **SINGLE +5V POWER SUPPLY**

DESCRIPTION

The DEM-PCM1710 is an evaluation fixture for the PCM1710 (16/20-bit stereo digital-to-analog converter with on-chip digital filter) primarily intended for quick evaluation of the PCM1710's performance.

The DEM-PCM1710 is capable of either serial or parallel output, can accept either an external system clock (256fs or 384fs) or a user-installed crystal oscillator. Other digital input signals are: LRCK, BCK, and DATA.

All of the functions of the PCM1710 (De-Emphasis, Mute, Double Speed) can be easily controlled by on-board switches.

Power supply requirement is +5V only.

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Tel: (602) 746-1111 • Twx: 910-952-1111 • Cable: BBRCORP • Telex: 066-6491 • FAX: (602) 889-1510 • Immediate Product Info: (800) 548-6132

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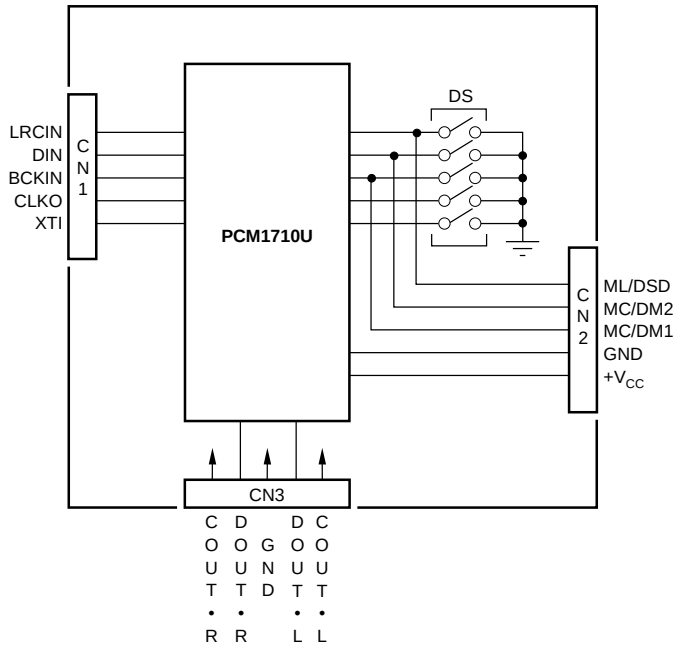
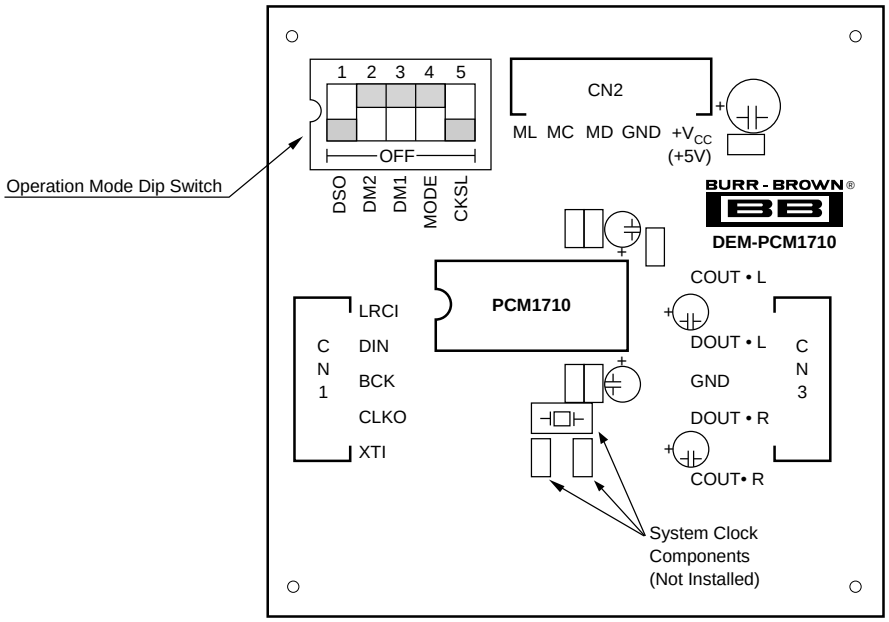
SBAU017

BLOCK DIAGRAM

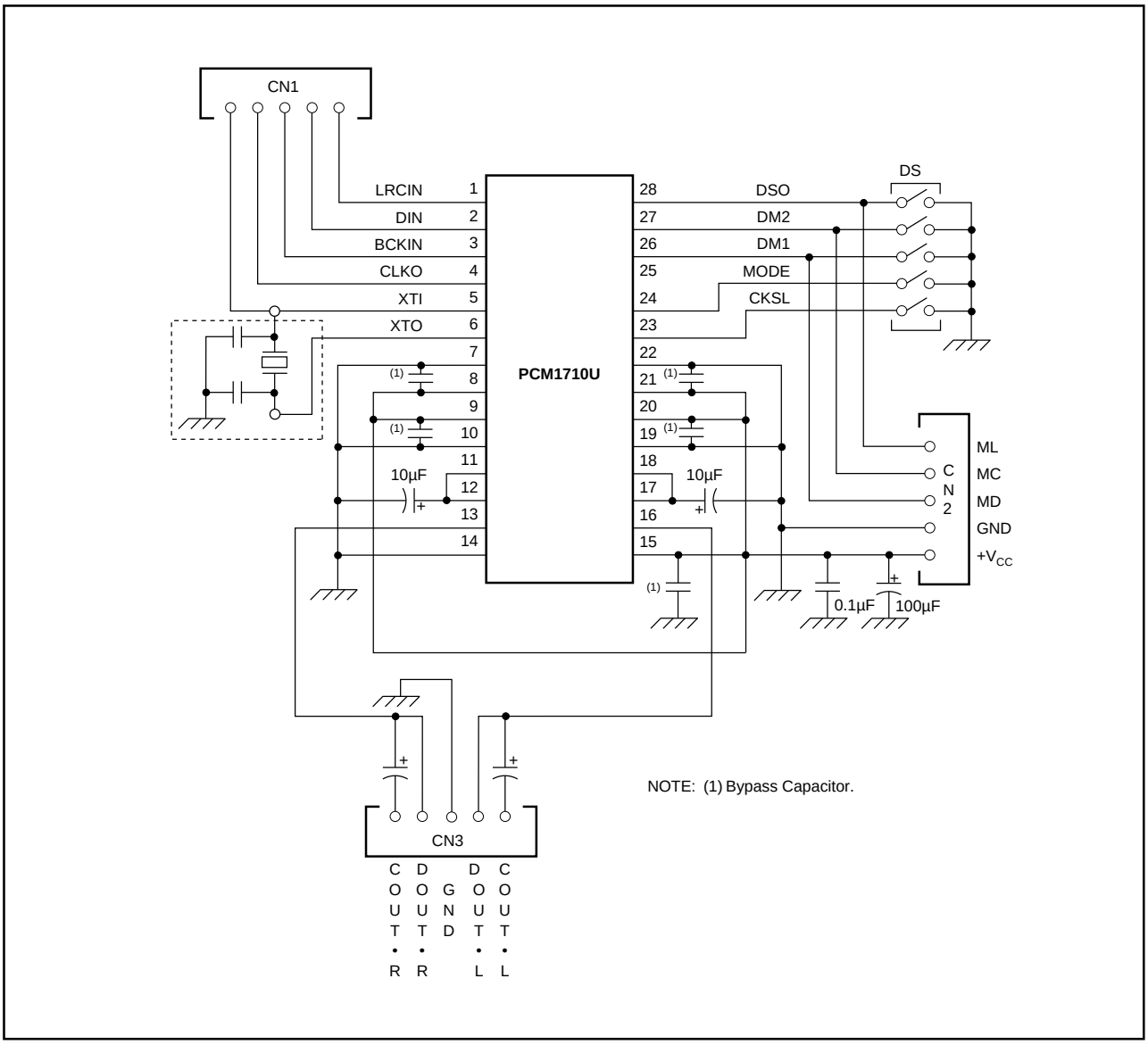


COMPONENT LOCATION AND FUNCTION



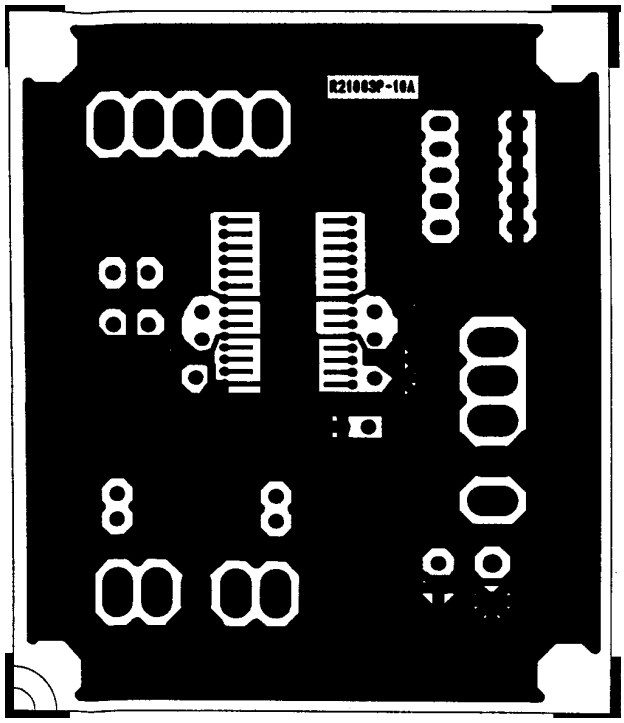
NOTE: See Burr-Brown data sheet for PCM1710U (PDS-1217) for complete operation description and instructions for the PCM1710U.

CIRCUIT DIAGRAM

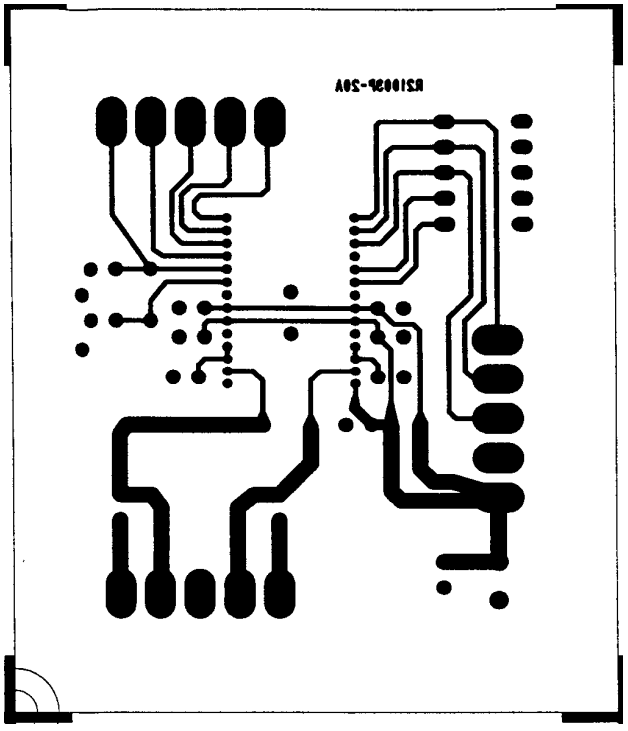


PATTERN LAYOUT

TOP



BOTTOM



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