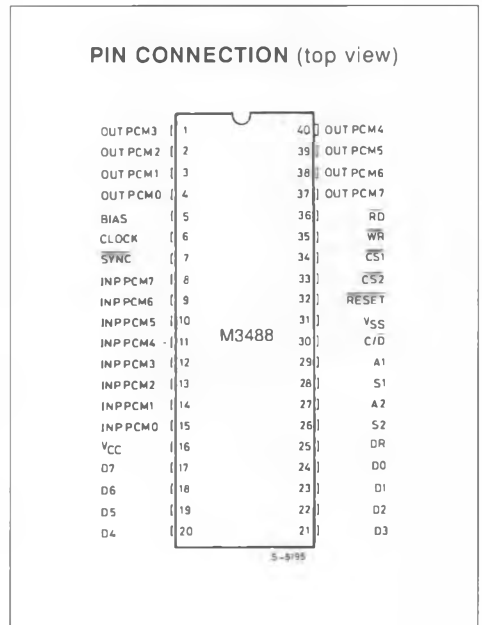


CMOS 256 X 256 DIGITAL SWITCHING MATRIX

ADVANCE DATA

- HARDWARE (pin-to-pin) AND SOFTWARE COMPATIBLE WITH M088
- 256 INPUT AND 256 OUTPUT CHANNEL DIGITAL SWITCHING MATRIX
- BUILDING BLOCK DESIGNED FOR LARGE CAPACITY ELECTRONIC EXCHANGES, SUBSYSTEMS AND PABX
- NO EXTRA PIN NEEDED FOR NOT-BLOCKING SINGLE STAGE AND HIGH CAPACITY SYNTHESIS BLOCKS (512 or 1024 channels)
- EUROPEAN AND U.S. STANDARD COMPATIBLE (32/24 serial channels per frame)
- PCM INPUTS AND OUTPUTS MUTUALLY COMPATIBLE
- ACTUAL INPUT-OUTPUT CHANNEL CONNECTIONS STORED AND MODIFIED VIA AN ON CHIP 8-BIT PARALLEL MICROPROCESSOR INTERFACE
- 6 MAIN "FUNCTIONS" OR "INSTRUCTIONS" AVAILABLE
- TYPICAL BIT RATE : 2Mbit/s
- TYPICAL SYNCHRONIZATION RATE : 8KHz (time frame is 125µs)
- 5V POWER SUPPLY WITH INTERNALLY GENERATED BIAS VOLTAGE
- TYPICAL CURRENT CONSUMPTION IS 22mA
- MOS & TTL INPUT/OUTPUT LEVELS COMPATIBLE
- DIFFUSED WITH HIGH DENSITY ADVANCED 1.2 µm CMOS PROCESS HCMOS3



Main instructions controlled by the microprocessor interface

- CHANNEL CONNECTION/DISCONNECTION
- CHANNEL DISCONNECTION
- INSERTION OF A BYTE ON A PCM OUTPUT CHANNEL
- TRANSFER TO THE MICROPROCESSOR OF A SINGLE PCM OUTPUT CHANNEL SAMPLE
- TRANSFER TO THE MICROPROCESSOR OF A SINGLE OUTPUT CHANNEL CONTROL WORD
- TRANSFER TO THE MICROPROCESSOR OF A SELECTED 0 CHANNEL PCM INPUT DATA