



LCD Controllers/Drivers

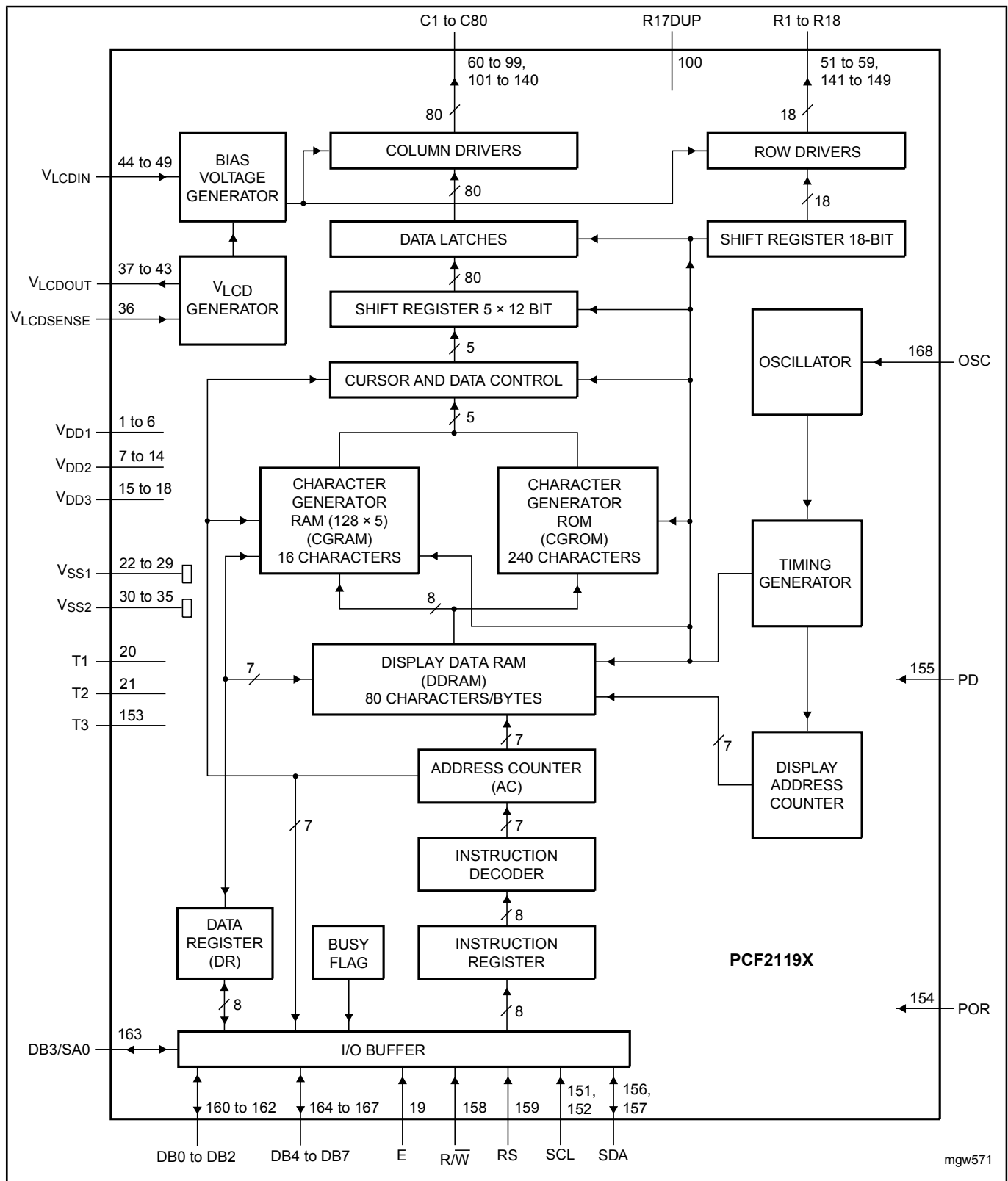
PCF2119X

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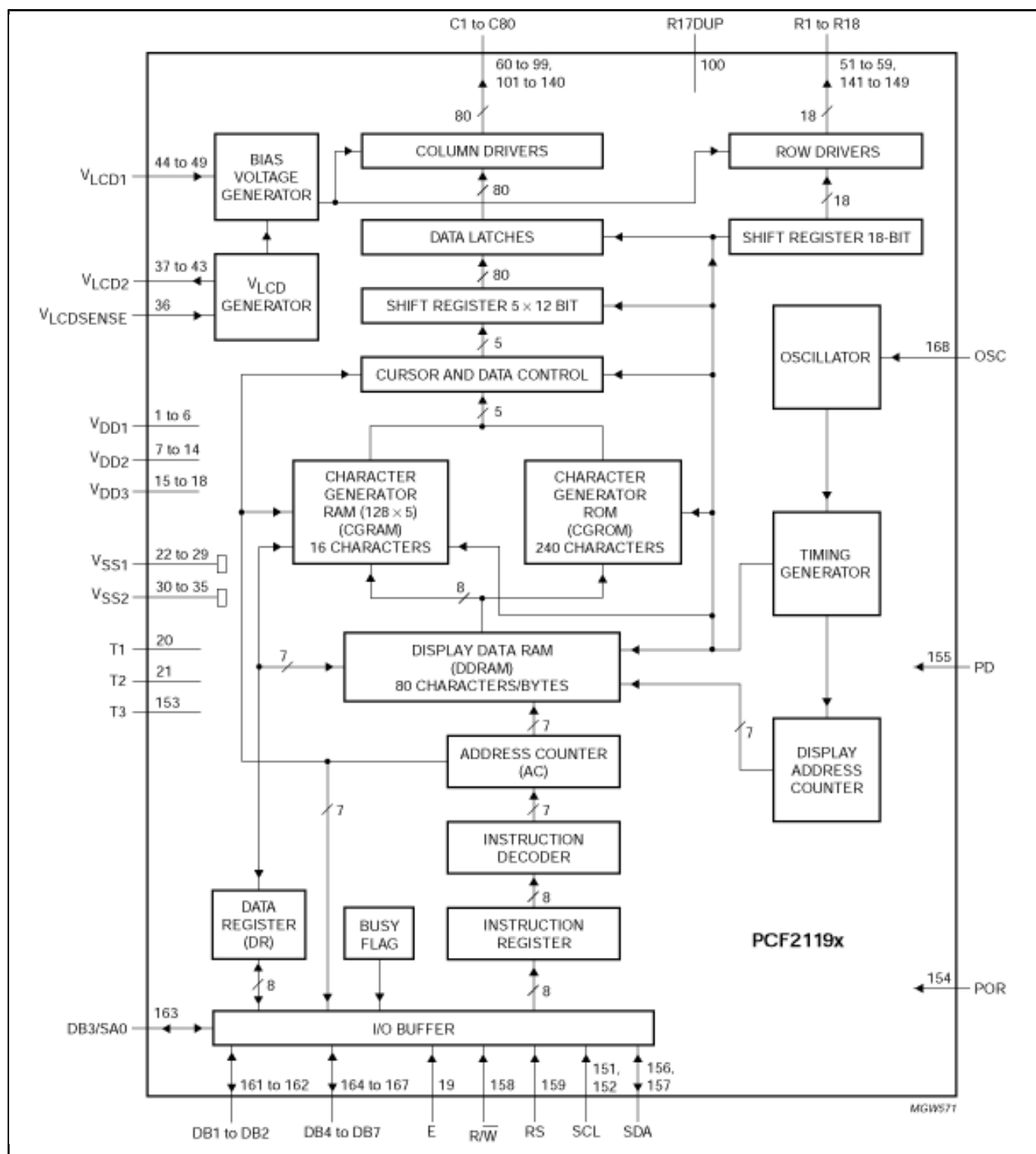
The PCF2119x is a low power CMOS LCD controller and driver, designed to drive a dot matrix LCD display of 2-lines by 16 characters or 1-line by 32 characters with 5×8 dot format. All necessary functions for the display are provided in a single chip, including on-chip generation of LCD bias voltages, resulting in a minimum of external components and lower system current consumption. The PCF2119x interfaces to most microcontrollers via a 4-bit or 8-bit bus or via the 2-wire I²C-bus. The chip contains a character generator and displays alphanumeric and kana (Japanese) characters.

The letter 'x' in PCF2119x characterizes the built-in character set. Various character sets can be manufactured on request. In addition 16 user defined symbols (5×8 dot format) are available.

PCF2119X Block Diagram



PCF2119AU, PCF2119DU, PCF2119FU, PCF2119RU, PCF2119SU, PCF2119VU Block Diagram



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