



Universal LCD Driver for Low Multiplex Rates

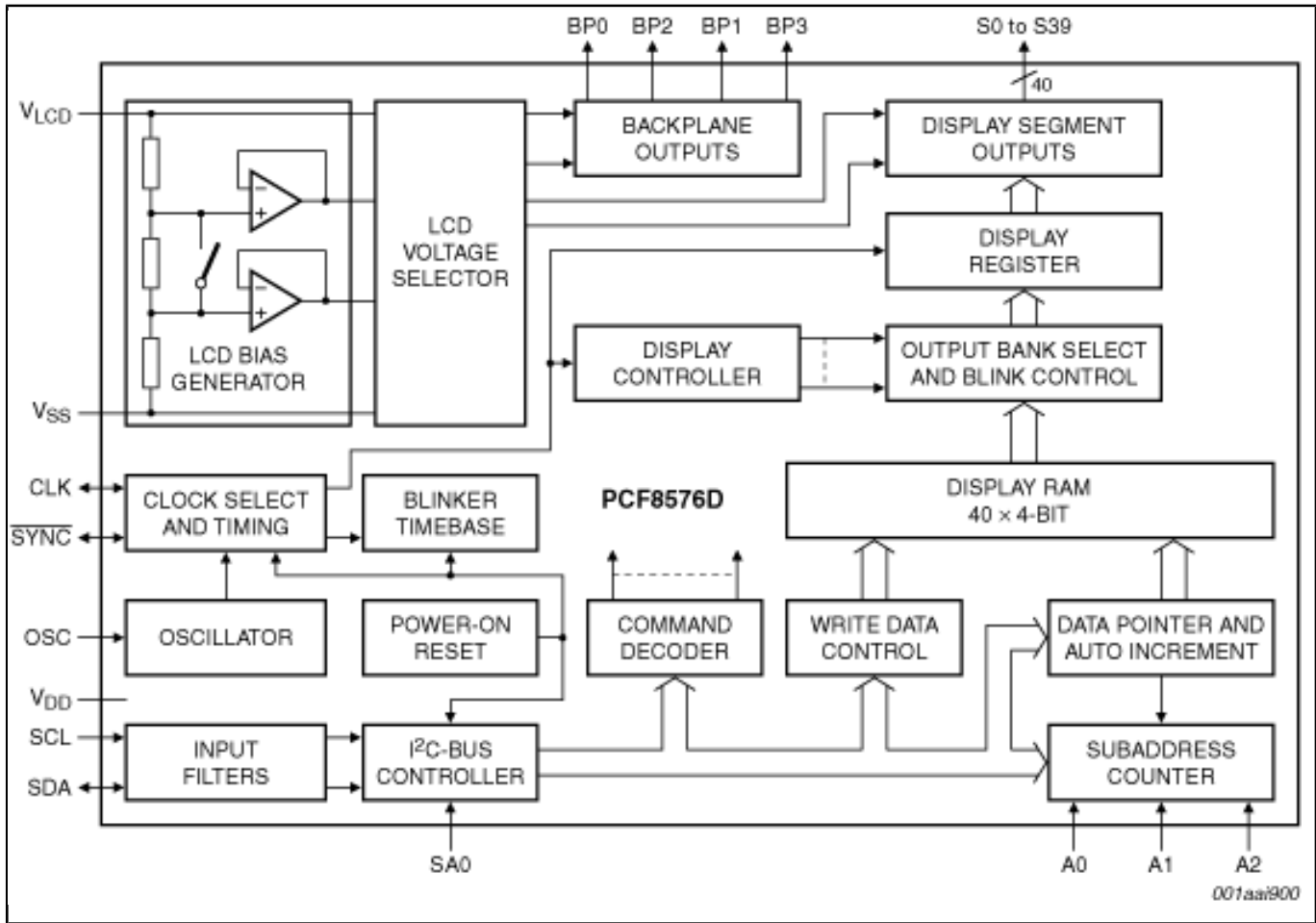
PCF8576D

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The PCF8576D is a peripheral device which interfaces to almost any Liquid Crystal Display (LCD) with low multiplex rates. It generates the drive signals for any static or multiplexed LCD containing up to four backplanes and up to 40 segments. It can be easily cascaded for larger LCD applications. The PCF8576D is compatible with most microcontrollers and communicates via the two-line bidirectional I²C-bus. Communication overheads are minimized by a display RAM with auto-incremented addressing, by hardware subaddressing and by display memory switching (static and duplex drive modes).

- PCF8576DT/2 should not be used for new design-ins. Replacement part is PCF85176T/1 for industrial applications
- PCF8576DT/S400/2 should not be used for new design-ins. Replacement part is PCA85176T/Q900/1 for automotive applications

Block diagram: PCF8576DH, PCF8576DT, PCF8576DU Block Diagram



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