CDP1800-Series and CDP6805-Series Peripherals (Continued)

Input Levels: CMOS for All Types

Type	Description and Function	Features	Operating Voltage Range — Volts	Operating Temp Range (T_A)† — °C	Fanout (TTL Loads)	No. of Pins* Package
MEMORY I/O INTERFACE						
CDP1853 CDP1853C	N Bit 1–of–8 Decoder	• Provides direct control of up to 7 input & 7 output devices • Chip Enable (CE) allows easy expansion for multi–level I/O systems	4 to 10.5 4 to 6.5	–40 to +85	1	16 D E
CDP1881 CDP1881C	6–Bit Latch and Decoder Memory Interface	• Performs memory address latch and decoder functions multiplexed or non–multiplexed • Decodes up to 16K bytes of memory • Interfaces directly with CDP 1800–series µPs at maximum clock frequency	4 to 10.5 4 to 6.5	–40 to +85	1	20 E
CDP1882 CDP1882C	6–Bit Latch and Decoder Memory	• Performs memory address latch and decoder functions multiplexed or non–multiplexed • Decodes up to 16K bytes of memory • Interfaces directly with CDP1800–series µPs at maximum clock frequency	4 to 10.5 4 to 6.5	–40 to +85	1	18 D E
CDP1883 CDP1883C	7–Bit Latch and Decoder Memory Interface	• Performs memory address latch and decoder functions multiplexed or non–multiplexed • Interfaces directly with the CDP1800–series µPs • Allows decoding for systems up to 32K bytes	4 to 10.5 4 to 6.5	–40 to +85	1	20 E
SERIAL I/O						
CDP1854A CDP1854AC	Programmable Universal Asynchronous Receiver/ Transmitter (UART)	• Two operating modes: ► Mode 0: functionally compatible with industry types such as the TR1602A ► Mode 1: interfaces directly with CDP1800–series µPs without additional components • Full or half duplex operation • Parity, framing, and overrun error detection • Baud rate: ► DC to 200K bits/s at V_{DD} = 5V ► DC to 400K bits/s at V_{DD} = 10V • Fully programmable with externally selectable word length (5–8 bits), parity inhibit, even/odd parity, and 1, 1.5 or 2 stop bits • False start bit detection	4 to 10.5 4 to 6.5	–40 to +85	1	40 D E 44 Q
CDP6402 CDP6402C	UART	• Low–power CMOS circuitry: 7.5mW typ at 3.2MHz (max freq) at V_{DD} = 5V • Baud rate: ► DC to 200K bits/s (max) at V_{DD} = 5V, 85°C ► DC to 400K bits/s (max) at V_{DD} = 10V, 85°C • Automatic data formatting and status generation • Fully programmable with externally selectable word length (5–8 bits), parity inhibit, even/odd parity, and 1, 1.5 or 2 stop bits • Operating temperature range: ► (CDP6402D, CD) –55°C to +125°C ► (CDP6402E, CE) –40°C to +85°C • Replaces industry types IM6402 and HD6402	4 to 10.5 4 to 6.5	–40 to +85	1	40 D E

† T_A indicates operating temperature range over which the published electrical data are specified

* See interpretation guide and packaging section