

Asynchronous Communications Interface Adapter (ACIAs)

Type	Function	Features	Package No. of Pins*
CDP65C51	ACIAs	<ul style="list-style-type: none"> • Compatible with 8-bit microprocessors • Full duplex operation with buffered receiver and transmitter • Data set/modem control functions • Internal baud rate generator with 15 programmable baud rates (50 to 19,200) 	28 D E M
CDP6853		<ul style="list-style-type: none"> • Program-selectable internally or externally controlled receiver rate • Programmable word lengths, number of stop bits and parity bit generation and detection • Operates at baud rates up to 250,000 via proper crystal or clock selection • Single 3V to 6V power supply • Programmable interrupt control • Program reset • Program-selectable serial echo mode • Two chip selects • One chip enable (CDP6853 only) • 4MHz, 2MHz or 1MHz operation: <ul style="list-style-type: none"> ▶ CDP65C51-4, CDP65C51-2, CDP65C51-1, respectively • Multiplexed address/data bus • Operating temperature range (maximum rating): <ul style="list-style-type: none"> ▶ Ceramic package (D): -55°C to +125°C ▶ Plastic package (E and M): -40°C to +85°C 	28 D E
CDP68C51A	ACIA	<ul style="list-style-type: none"> • Compatible with 8-bit microprocessors • Full duplex operation with buffered receiver and transmitter • Data set/modem control functions • Internal baud rate generator with 15 programmable baud rates (50 to 19,200) • Program-selectable internally or externally controlled receiver rate • Operates at baud rates up to 250,000 via proper crystal or clock selection • Programmable word lengths, number of stop bits & parity bit generation & detection • Programmable interrupt control • Program reset • Program-selectable serial echo mode • Two chip selects • 4MHz, 2MHz or 1MHz operation: <ul style="list-style-type: none"> ▶ CDP65C51A-4, CDP65C51A-2, CDP65C51A-1, respectively • Single 3V to 6V power supply • Full TTL compatibility • Synchronous <u>CTS</u> operation 	28 D E M

* See interpretation guide and packaging section