

BLOCK DIAGRAM	ROM	ROM	Z8	Z8
<b>PART NUMBER</b>	Z8600/Z8611	Z86C30/E30/C31/E31	Z89C65/Z89C66	Z89165/Z89166
<b>DESCRIPTION</b>	Z8 <sup>®</sup> NMOS (CCP <sup>™</sup> ) Z8600 = 2K ROM Z8611 = 4K ROM	Z8 <sup>®</sup> Consumer Controller Processor (CCP <sup>™</sup> ) Z86C30 = 28-Pin, 4K ROM Z86C31 = 28-Pin, 2K ROM Z86C40 = 40-Pin, 4K ROM Z86E30, Z86E31, Z86E40 = OTP Version	Telephone Answering Controller Z89C66 = ROMLess with 31 I/O Pins	Low-Cost DTAD Controller Z89166 = ROMLess with 31 I/O Pins
<b>PROCESS/SPEED</b>	NMOS: 8, 12 MHz	CMOS: 12 MHz	CMOS: 20 MHz	CMOS: 20 MHz
<b>FEATURES</b>	<ul style="list-style-type: none"> <li>■ 2K/4K ROM</li> <li>■ 128 Bytes RAM</li> <li>■ 22/32 I/O Lines</li> <li>■ On-Chip Oscillator</li> <li>■ Two Counter/Timers</li> <li>■ Six Vectored, Priority Interrupts</li> <li>■ UART (Z8611 Only)</li> </ul>	<ul style="list-style-type: none"> <li>■ 4K ROM/236 RAM</li> <li>■ Two Standby Modes</li> <li>■ Two Counter/Timers</li> <li>■ ROM/RAM Protect</li> <li>■ Four Ports (Z86C40/E40)</li> <li>■ Three Ports (Z86C30/E30/C31/E31)</li> <li>■ Low-Voltage Protection</li> <li>■ Two Analog Comparators</li> <li>■ Low-EMI Option</li> <li>■ Watch-Dog Timer (WDT)</li> <li>■ Auto Power-On Reset</li> <li>■ Low-Power Option</li> </ul>	<ul style="list-style-type: none"> <li>■ 24K ROM (Z89C65 Only)</li> <li>■ 16-Bit DSP</li> <li>■ 4K Word ROM</li> <li>■ 8-Bit A/D with Automatic Gain Control (AGC)</li> <li>■ DTMF Macro Available</li> <li>■ LPC Macro Available</li> <li>■ 10-Bit PWM D/A</li> <li>■ Other DSP Software Options Available</li> <li>■ 47 I/O Pins (Z89C65 Only)</li> </ul>	<ul style="list-style-type: none"> <li>■ 24K ROM (Z89165 Only)</li> <li>■ 16-Bit DSP</li> <li>■ 6K Word DSP ROM</li> <li>■ 8-Bit A/D with Automatic Gain Control (AGC)</li> <li>■ DTMF Macro Available</li> <li>■ LPC Macro Available</li> <li>■ 10-Bit PWM D/A</li> <li>■ Other DSP Software Options Available</li> <li>■ 47 I/O Pins (Z89165 Only)</li> </ul>
<b>PACKAGE</b>	28-Pin DIP 40-Pin DIP 44-Pin PLCC	28-Pin DIP 40-Pin DIP 44-Pin PLCC, QFP	68-Pin PLCC	66-Pin PLCC 80-Pin QFP
<b>SUPPORT PRODUCTS</b>	Z86C120/ZEM - Emulator Z086000/ZCO - Evaluation Board Z086000/ZDP - Adaptor Kit	Z86C6P00/ZEM - Emulator Z86C6P00/ZAC - Emulator Z86C5000/ZEM - Emulator Z86E3000/ZDP - Adaptor Kit Z86E4000/ZDP - Program Adaptor Kit	Z89C6501/ZEM - Emulator Z89C6500/ZDB - Emulator	Z89C6501/ZEM - Emulator Z89C6500/ZDB - Emulator Z8916500/ZCO - Evaluation Board

