

BLOCK DIAGRAM	<table border="1"> <tr><td>Z8</td><td>DSP</td></tr> <tr><td>24K32K ROM</td><td>6K ROM</td></tr> <tr><td>RAM PORT</td><td>CODEC INTF.</td></tr> <tr><td>RAM REFRESH</td><td>PWM</td></tr> <tr><td colspan="2">27 or 43 DIGITAL I/O</td></tr> </table>	Z8	DSP	24K32K ROM	6K ROM	RAM PORT	CODEC INTF.	RAM REFRESH	PWM	27 or 43 DIGITAL I/O		<table border="1"> <tr><td>Z8</td><td>DSP</td></tr> <tr><td>24K ROM</td><td>8K ROM</td></tr> <tr><td>RAM PORT</td><td>CODEC INTF.</td></tr> <tr><td>RAM REFRESH</td><td>CODEC INTF.</td></tr> <tr><td colspan="2">27 or 43 DIGITAL I/O</td></tr> </table>	Z8	DSP	24K ROM	8K ROM	RAM PORT	CODEC INTF.	RAM REFRESH	CODEC INTF.	27 or 43 DIGITAL I/O		<table border="1"> <tr><td>Z8</td><td>DSP</td></tr> <tr><td>32K ROM</td><td>8K ROM</td></tr> <tr><td>RAM PORT</td><td>CODEC INTF.</td></tr> <tr><td>RAM REFRESH</td><td>CODEC INTF.</td></tr> <tr><td colspan="2">27 or 43 DIGITAL I/O</td></tr> </table>	Z8	DSP	32K ROM	8K ROM	RAM PORT	CODEC INTF.	RAM REFRESH	CODEC INTF.	27 or 43 DIGITAL I/O	
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PART NUMBER	Z89C57/Z89C68/Z89C69	Z89167/Z89168	Z89169																														
DESCRIPTION	Telephone Answering Controller Z89C57 = 24 Kbytes of Program ROM Z89C68 = ROMless with 27 I/O Pins Z89C69 = 32 Kbytes of Program ROM	Enhanced Telephone Answering Controller Z89168 = ROMless with 27 I/O Pins	Enhanced Telephone Answering Controller																														
PROCESS/SPEED	CMOS: 20 MHz	CMOS: 24 MHz	CMOS: 24 MHz																														
FEATURES	<ul style="list-style-type: none"> ■ 16-Bit DSP ■ 6K Word ROM ■ DTMF Macro Available ■ LPC Macro Available ■ 10-Bit PWM D/A ■ Other DSP Software Options Available ■ ARAM/DRAM/ROM Controller and Interface ■ Dual CODEC Interface ■ 43 I/O (Z89C67 Only) 	<ul style="list-style-type: none"> ■ 24K ROM (Z89167 Only) ■ 16-Bit DSP ■ 8K Word ROM ■ DTMF Macro Available ■ LPC Macro Available ■ 10-Bit PWM D/A ■ Other DSP Software Options Available ■ ARAM/DRAM/ROM ■ Dual CODEC Interface ■ 43 I/O (Z89167 Only) 	<ul style="list-style-type: none"> ■ 32K ROM ■ 16-Bit DSP ■ 8K Word ROM ■ DTMF Macro Available ■ LPC Macro Available ■ 10-Bit PWM D/A ■ Other DSP Software Options Available ■ ARAM/DRAM/ROM ■ Dual CODEC Interface ■ 43 I/O 																														
PACKAGE	84-Pin PLCC	84-Pin PLCC 100-Pin QFP	84-Pin PLCC 100-Pin QFP																														
SUPPORT PRODUCTS	Z89C5900ZEM - Emulator Z89C6700ZEM - Emulator Z89C6700ZDB - Emulator Z8916902ZCO - Evaluation Board	Z89C5900ZEM - Emulator Z89C6700ZEM - Emulator Z89C6700ZDB - Emulator Z8916902ZCO - Evaluation Board	Z89C5900ZEM - Emulator Z89C6700ZEM - Emulator Z89C6700ZDB - Emulator Z8916902ZCO - Evaluation Board																														