



Family of Serial Communication Controllers

Additional 16-bit features

- Encodes in the following modes: NRZ, NRZI-Mark, NRZI-Space, Bi-Phase-Mark (FM1), Bi-Phase-Space (FM0), Bi-Phase-Level (Manchester), Differential Bi-Phase-Level
- CRC-32, CRC-16 and CRC-CCITT
- 32-byte Transmit FIFO/32-byte Receive FIFO
- 2 DMA control signals per channel (Z16C30)
- Transmit and receive DMA controllers with single buffer, pipelined, array and linked-list modes (Z16C32)
- 16-Bit Transfers
- Two transmit and two receive DMA channels (Z16C35 only)

Serial Family	Channels	DMA Controllers	Bus Interface	MHz	Part number	Package	Pins	Op. Temp. (°C)
SCC	2	0	Multiplex	8	Z80C3008PSC Z80C3008VSC	DIP PLCC	40 44	0 +70 0 +70
				10	Z80C3010PSC Z80C3010VSC	DIP PLCC	40 44	0 +70 0 +70
			Nonmultiplex	8	Z85C3008PEC Z85C3008PSC Z85C3008VEC Z85C3008VSC	DIP DIP PLCC PLCC	40 40 44 44	-40 +105 0 +70 -40 +105 0 +70
				10	Z85C3010PEC Z85C3010PSC Z85C3010VEC Z85C3010VSC	DIP DIP PLCC PLCC	40 40 44 44	-40 +105 0 +70 -40 +105 0 +70
				16	Z85C3016PSC Z85C3016VSC	DIP PLCC	40 44	0 +70 0 +70
ESCC	2	0	Multiplex	10	Z8023010PSC Z8023010VSC	DIP PLCC	40 44	0 +70 0 +70
				16	Z8023016PSC Z8023016VSC	DIP PLCC	40 44	0 +70 0 +70
			Nonmultiplex	8	Z8523008PSC Z8523008VEC Z8523008VSC	DIP PLCC PLCC	40 44 44	0 +70 -40 +105 0 +70
				10	Z8523010PEC Z8523010PSC Z8523010VEC Z8523010VSC	DIP DIP PLCC PLCC	40 40 44 44	-40 +105 0 +70 -40 +105 0 +70
				16	Z8523016PEC Z8523016PSC Z8523016VEC Z8523016VSC	DIP DIP PLCC PLCC	40 40 44 44	-40 +105 0 +70 -40 +105 0 +70
				20	Z8523020PSC Z8523020VSC	DIP PLCC	40 44	0 +70 0 +70
EMSCC	1	0	Nonmultiplex	10	Z8523310FSC Z8523310VSC	PQFP PLCC	44 44	0 +70 0 +70
				16	Z8523316FSC Z8523316VSC	PQFP PLCC	44 44	0 +70 0 +70
				20	Z8523320FSC	PQFP	44	0 +70
USC	2	0	Multiplex and nonmultiplex	10	Z16C3010AEC Z16C3010ASC Z16C3010VEC Z16C3010VSC	LQFP LQFP PLCC PLCC	100 100 68 68	-40 +105 0 +70 -40 +105 0 +70
IUSC	1	2	Multiplex and nonmultiplex	20	Z16C3220FSC Z16C3220VSC	PQFP PLCC	80 68	0 +70 0 +70
ISCC	2	2	Multiplex and nonmultiplex	10	Z16C3510VSC	PLCC	68	0 +70
				16	Z16C3516VSC	PLCC	68	0 +70



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