

General Purpose Microprocessor Support ICs — continued

SEM327

825X, 16450, 1655X

Mfr.	Pins	Description
82C50	INTS 40	CMOS Asynchronous Communications Element – 10MHz
82C51	OKI 28	CMOS Programmable Communications Interface, 8MHz
82C51	OKI 32	CMOS Programmable Communications Interface, 8MHz
82C51	OKI 32	CMOS Programmable Communications Interface, 8MHz
82C51	OKI 28	CMOS Programmable Communications Interface, 8MHz (PLCC Package)
82C51	NEC 28	CMOS 8251 Programmable Communications Interface, 8MHz
82C53	OKI 32	CMOS Programmable Interval Timer, 8MHz
82C53	OKI 28	CMOS Programmable Interval Timer, 8MHz (PLCC Package)
82C53	OKI 24	CMOS Programmable Interval Timer, 8MHz
82C54	HAR 24	CMOS Timer/Counter, 8MHz
82C54	OKI 24	CMOS Timer/Counter, 10MHz
82C54	NEC 24	CMOS 8254 Timer/Counter, 8MHz
82C55	INTS 40	CMOS Programmable Peripheral Interface, 8MHz
82C55	INTS 40	CMOS Programmable Peripheral Interface, 5MHz
82C55	INTS 44	CMOS Programmable Peripheral Interface (PLCC)
82C55	OKI 40	CMOS Programmable Peripheral Interface, 8MHz
82C55	OKI 44	CMOS Programmable Peripheral Interface, 8MHz (PLCC Package)
82C55	NEC 40	CMOS 8255 Programmable Peripheral Interface, 8MHz
82C59	OKI 28	CMOS Programmable Interrupt Controller, 8MHz
16450	STECH 40	CMOS UART
16450	TI 44	CMOS UART (PLCC Package)
16450	TI 40	CMOS UART
16550	NSC 40	CMOS UART with FIFOs
16550	TI 40	CMOS UART with FIFOs
16554	TI 68	CMOS Quad UART with FIFOs (PLCC Package)
16650	STECH 44	CMOS UART with FIFOs and Infrared Encoder/Decoder. (PLCC Package)
16650	STECH 40	CMOS UART with FIFOs and Infrared Encoder/Decoder

Mfrs. List No.	Order Code	1+	10+	100+	250+	500+
CP82C50A5	527-750					
MSM82C51A2RS	391-074					
MSM82C51A-2GSK	SMD 300-8642					
MSM82C51A2GSVK	SMD 632-089†					
MSM82C51A2JS	SMD 632-090					
UPD71051C	391-098					
MSM82C53-2GSVK	SMD 632-107					
MSM82C53-2JS	SMD 632-119					
MSM82C53-2RS	204-808					
CP82C54	559-015					
MSM82C54-2RS	204-821					
UPD71054C	204-614					
CP82C55A	391-189					
CP82C55A5	391-190					
CS82C55A	NEW 353-9120					
MSM82C55A2RS	391-207					
MSM82C55A2VJS	SMD 632-120					
UPD71055C	391-256					
MSM82C59A2RS	391-323					
ST16C450CP40	641-194					
TL16C450FN	SMD 597-429					
TL16C450N	205-552					
PC16550DN	482-833					
TL16C550AN	205-540					
TL16C554FN	SMD 559-167					
ST16C650CJ44	SMD 641-789					
ST16C650CP40	641-777					

† Available until stocks are exhausted



CPU Supervisors with 2-Wire Interface, Real-Time Clocks, EEPROM and Watchdog.

Mfrs. List No.	Pins/Pkg	EEPROM	Vcc (V)	Vtrip (V)	WDT Period (s)	WDT Timeout (ms)	Additional Features
X4003S8	8/SOIC	OK	4.5 - 5.5	4.25 - 4.5	Off/0.2/0.6/1.4	100 - 300	Selectable watchdog timer, adjustable low voltage reset, active low reset.....
X4043S8	8/SOIC	4K	4.5 - 5.5	4.25 - 4.5	Off/0.2/0.6/1.4	100 - 300	Selectable watchdog timer, adjustable low voltage reset, active low reset.....

Order Code	1+	10+	100+
355-7200			
355-7212			

Micro-Monitors

Microprocessor Supervisory Circuit Family Features



SEM346

Part Number	Nominal Reset Threshold (V)	Minimum Reset Pulse Width (ms)	Nominal Watchdog Timeout Period (sec)	Backup-Battery Switch	CE Write Protect	Power-Fail Comparator	Manual Reset Input	Watchdog Output	Low-Line Output	Active-High Reset	Battery-On Output
MAX690	4.65	35	1.6	✓		✓					
MAX690A	4.65	140	1.6	✓		✓					
MAX691	4.65	35/adj.	1.6/adj.	✓	✓	✓		✓	✓	✓	✓
MAX691A	4.65	140/adj.	1.6/adj.	✓	✓	✓		✓	✓	✓	✓
MAX692	4.40	35	1.6	✓		✓					
MAX692A	4.40	140	1.6	✓		✓					
MAX693	4.40	140/adj.	1.6/adj.	✓	✓ / 10ms	✓		✓		✓	✓
MAX695	4.65	140/adj.	1.6/adj.	✓	✓	✓		✓	✓	✓	✓
MAX696	adj.	35/adj.	1.6/adj.	✓		✓		✓	✓	✓	✓
MAX700	4.65/adj.	200	-				✓			✓	
MAX701	4.65	200	-				✓			✓	
MAX703	4.65	140	-	✓		✓	✓				
MAX704	4.40	140	-	✓		✓	✓				
MAX705	4.65	140	1.6			✓	✓	✓			
MAX707	4.65	140	-			✓	✓			✓	
MAX708	4.40	140	-			✓	✓			✓	
MAX709	4.40	140	-								
MAX791	4.65	140	1	✓	✓	✓	✓	✓	✓	✓	✓
MAX809	4.63	140	-							✓	
MAX810	4.38	140	-							✓	
MAX1232	4.50/4.75	250	0.15/0.60/1.2				✓			✓	

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