

General Purpose Microprocessor Support ICs - continued

Catalyst CPU Supervisory Circuits - continued

386446

Pins/Package Description	Memory Size	Mfrs. List No.	Order Code	1+	Price Each	10+	100+
1021 8/SOIC Supervisory Circuit with I ² C Serial 2k-bit CMOS EEPROM, Manual Reset & Watchdog Timer	2 K	CAT1021WI-45	880-3307	49.00	42.00	35.00	
1021 8/MSOP Supervisory Circuit with I ² C Serial 2k-bit CMOS EEPROM, Manual Reset & Watchdog Timer	2 K	CAT1021ZI-45	880-3366	49.00	42.00	35.00	
1023 8/SOIC Supervisory Circuit with I ² C Serial 2k-bit CMOS EEPROM, Manual Reset & Watchdog Timer	2 K	CAT1023WI-30	880-3315	45.00	38.00	32.00	
1023 8/MSOP Supervisory Circuit with I ² C Serial 2k-bit CMOS EEPROM, Manual Reset & Watchdog Timer	2 K	CAT1023ZI-30	880-3374	45.00	38.00	32.00	
1025 8/SOIC Supervisory Circuit with I ² C Serial 2K CMOS EEPROM, Manual Reset, WP Pin, Active High & Low Reset	2 K	CAT1025WI-30	880-3323	43.00	37.00	31.00	
1025 8/MSOP Supervisory Circuit with I ² C Serial 2K CMOS EEPROM, Manual Reset, WP Pin, Active High & Low Reset	2 K	CAT1025ZI-30	880-3382	43.00	37.00	30.00	
1026 8/SOIC Dual Voltage Supervisory Circuit with I ² C Serial 2K CMOS EEPROM, Reset Active High & Low, Auxiliary Voltage Monitor	2 K	CAT1026WI-30	880-3331	43.00	37.00	30.00	
1026 8/MSOP Dual Voltage Supervisory Circuit with I ² C Serial 2K CMOS EEPROM, Reset Active High & Low, Auxiliary Voltage Monitor	2 K	CAT1026ZI-30	880-3390	43.00	37.00	30.00	
1027 8/SOIC Dual Voltage Supervisory Circuit with I ² C Serial 2K CMOS EEPROM, Auxiliary Voltage Monitor, Watchdog Monitors WDI Pin	2 K	CAT1027WI-30	880-3340	51.00	43.00	36.00	
1027 8/SOIC Dual Voltage Supervisory Circuit with I ² C Serial 2K CMOS EEPROM, Auxiliary Voltage Monitor, Watchdog Monitors WDI Pin	2 K	CAT1027WI-42	880-3358	51.00	43.00	36.00	
1027 8/MSOP Dual Voltage Supervisory Circuit with I ² C Serial 2K CMOS EEPROM, Auxiliary Voltage Monitor, Watchdog Monitors WDI Pin	2 K	CAT1027ZI-30	880-3404	51.00	43.00	36.00	
1027 8/MSOP Dual Voltage Supervisory Circuit with I ² C Serial 2K CMOS EEPROM, Auxiliary Voltage Monitor, Watchdog Monitors WDI Pin	2 K	CAT1027ZI-42	880-3412	51.00	43.00	36.00	
1161 8/SOIC μ P Supervisor with 16K I ² C Memory, Reset Controller & Watchdog Timer	16 K	CAT1161W-28	880-3234	82.00	70.00	59.00	
1161 8/SOIC μ P Supervisor with 16K I ² C Memory, Reset Controller & Watchdog Timer	16 K	CAT1161W-30	880-3242	82.00	70.00	59.00	
1161 8/DIL μ P Supervisor with 16K I ² C Memory, Reset Controller & Watchdog Timer	16 K	CAT1161L-42	880-3250	82.00	70.00	56.00	
1161 8/SOIC μ P Supervisor with 16K I ² C Memory, Reset Controller & Watchdog Timer	16 K	CAT1161W-42	880-3269	82.00	70.00	59.00	
1162 8/SOIC μ P Supervisor with 16K I ² C Memory and Reset Controller	16 K	CAT1162W-42	880-3277	77.00	66.00	55.00	
1163 8/SOIC μ P Supervisor with 16K I ² C Memory, Reset Controller & watchdog Timer (Independent WDI)	16 K	CAT1163W-42	880-3285	88.00	76.00	63.00	
1163 8/SOIC μ P Supervisor with 16K I ² C Memory, Reset Controller & watchdog Timer (Independent WDI)	16 K	CAT1163W-45	880-3293	88.00	76.00	63.00	

422875

Mfrs.	Pins	Pkg	Description	Mfrs. List No.	Order Code	1+	Price Each	10+	100+
UARTs									
550	EXAR	48	TQFP 2.97V to 5.5V UART with 16 byte FIFO	ST16C550CQ48-F	109-5811	245.00	204.00	175.00	
2550	EXAR	48	TQFP 2.97V to 5.5V Dual UART with 16 byte FIFO	ST16C2550CQ48-F	109-5809	445.00	371.00	319.00	
681	EXAR	44	PLCC 5V Dual UART with 2 Fully Independent Full Duplex Asynchronous Communications Channels	XR68C681CJ-F	109-5813	413.00	345.00	296.00	
681	EXAR	40	DIL 5V Dual UART CMOS with 2 Fully Independent Full Duplex Asynchronous Communications Channels	XR88C681CP/40-F	109-5818	480.00	400.00	343.00	
554	EXAR	68	PLCC 2.97V to 5.5V Quad UART with 16 byte FIFO	ST16C554DCJ68-F	109-5812	696.00	580.00	529.00	

Semiconductors - Integrated Circuits

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Crystal Oscillator Modules

Single Output Modules

8 pin DIL Package - TTL Output (with output enable function)

SEIKO EPSON



Pin 1 = O/E
Pin 2 = GND
Pin 3 = OUTPUT
Pin 4 = +5V \pm 10%



These single output oscillators are housed in a DIL plastic package. The package has 4 pins spaced as the corner pins of a 0.3" 8 pin DIL. Outputs are at TTL levels.

	4 to 24MHz	32 to 50MHz
Output rise time	8ns	5ns
Output fall time	8ns	7ns
Supply current	25mA	35mA
Output Load	10TTL (50pF)	5TTL (50pF)
Temperature range	-10°C to 70°C	Duty cycle 40 to 60%
Frequency stability	\pm 100ppm	Mfrs. List No. SG531P4MHZ+ Frequency in MHz

210514

Frequency MHz	Frequency MHz	Order Code	1+	10+	100+	250+
4.0	SG531P4MHZ.0	221-429	371.00	283.00	235.00	177.00
4.0.0.0		121-6189	364.00	277.00	231.00	174.00
4.9152	SG531P4.9152MHZ.0	221-430	364.00	277.00	231.00	174.00
4.9152	.0	121-6190	364.00	277.00	231.00	174.00
8.0	SG531P8MHZ.0	221-442	360.00	277.00	231.00	174.00
8.0	.0	121-6191	360.00	277.00	231.00	174.00
10.0	SG531P10MHZ.0	221-454	364.00	277.00	231.00	184.00
10.0	.0	121-6192	364.00	277.00	231.00	174.00

Frequency MHz	Frequency MHz	Order Code	1+	10+	100+	250+
12.0	SG531P12MHZ.0	221-466	364.00	277.00	231.00	184.00
12.0	.0	121-6194	364.00	277.00	231.00	174.00
16.0	SG531P16MHZ.0	221-478	364.00	277.00	231.00	184.00
16.0	.0	121-6195	364.00	277.00	231.00	174.00
20.0.0.0	SG531P20MHZ	221-480	371.00	283.00	235.00	188.00
20.0	.0	121-6196	364.00	277.00	231.00	174.00
24.0	SG531P24MHZ.0	221-491	364.00	277.00	231.00	184.00
24.0	.0	121-6197	364.00	277.00	231.00	174.00
32.0	SG531PH32MHZ.0	221-508	364.00	277.00	231.00	184.00
32.0	.0	121-6198	364.00	277.00	231.00	174.00
40.0	SG531PH40MHZ.0	221-510	371.00	283.00	235.00	177.00
40.0	.0	121-6199	364.00	277.00	231.00	174.00
50.0	SG531PH50MHZ.0	221-521	364.00	277.00	231.00	174.00
50.0	.0	121-6201	364.00	277.00	231.00	174.00

8 pin DIL - Universal Output



3.6864MHz to 20MHz
24MHz to 64MHz
Temperature range
Temperature stability
Pin 1 = NC
Pin 4 = GND
Pin 5 = Output
Pin 8 = +VDC

Rise/fall times
Max. supply currents
10ns
20mA
6ns
40mA
0°C to 70°C
Duty cycle 45 to 55%
 \pm 100ppm

210691