

	Mfrs.	Pins	Pkg	Description
85C30	ZILOG	40	DIL	CMOS Serial Communications Controller - 10MHz
82B715	PS	8	DIL	Dual Bi-directional Data and Clock Buffer. I2C Bus Extender
16552	NSC	44	PLCC	CMOS DUART with FIFO, two independent communication channels, separate baud rate generators. (PLCC Package)
88C	EXAR	40	DIL	CMOS DUART, two independant communication channels, internal bit rate generators.
9200	SLX	8	SOIC	CAN Bus Driver and Receiver

		Price Each				
Mftrs. List No.	Order Code	1+	25+	100+	250+	+
Z85C3010PSG	108-1878	591.00	448.00	410.00	--	--
P82B715PN	121-1741	318.00	270.00	210.00	--	--
PC16552DV	949-0132	463.00	361.00	300.00	--	--
XR88C681CP/40	562-749	862.00	638.00	511.00	--	--
SI9200EY	107-7082	111.00	104.00	95.00	90.00	--

STM Supervisor & Reset Circuits



This set of Supervisors are self-contained devices which provide microprocessor supervisory functions. A precision voltage reference and comparator monitors the Vcc input for out of tolerance conditions, when an invalid condition is detected the reset is forced high or low depending on the device. Most devices include a watchdog timer and a power-fail comparator to warn of any impending power failure.

Mfrs. Part No	Watchdog Input	Watchdog Output	Active High Reset	Active Low Reset	Manual Reset Input	Battery Switchover	Power-Fail Comparator	Chip-Enable Gating
STM690....	✓	-	-	✓	-	✓	✓	-
STM704....	✓	-	-	✓	✓	✓	-	✓
STM706PM6E	✓	✓	✓	-	✓	-	✓	-
STM706....	✓	✓	-	-	✓	-	✓	-
STM708....	-	-	✓	✓	✓	-	✓	-
STM795...	-	-	-	✓	-	✓	✓	-
STM805....	✓	-	✓	-	-	✓	✓	-
STM813....	✓	✓	✓	-	✓	-	✓	-
STM817....	✓	-	-	✓	-	✓	✓	-
STM818....	✓	-	-	✓	-	✓	-	✓
STM819....	-	-	-	✓	-	✓	✓	-



		Price Each					
Threshold Voltage (V)	Mfrs. List No.	Order Code	1+	25+	100+	250+	+
3V							
690 2.63	STM690RM6E	928-2858	140.00	112.00	98.00	84.00	--
690 2.93	STM690SM6E	928-2866	140.00	112.00	98.00	84.00	--
690 3.08	STM690TM6E	928-2874	140.00	112.00	98.00	84.00	--
704 2.63	STM704RM6E	928-2882	129.00	103.00	90.00	77.00	--
704 2.93	STM704SM6E	928-2890	129.00	103.00	90.00	77.00	--
704 3.08	STM704TM6E	928-2904	129.00	103.00	90.00	77.00	--
795 2.63	STM795RM6E	928-2980	164.00	131.00	115.00	98.00	--
795 2.93	STM795SM6E	928-2998	164.00	131.00	115.00	98.00	--
795 3.08	STM795TM6E	928-3005	164.00	131.00	115.00	98.00	--
805 2.63	STM805RM6E	928-3013	140.00	112.00	98.00	84.00	--
805 2.93	STM805SM6E	928-3021	140.00	112.00	98.00	84.00	--
805 3.08	STM805TM6E	928-3030	140.00	112.00	98.00	84.00	--
5V							
706 2.65	STM706PM6E	928-2912	88.00	70.00	61.00	53.00	--
706 2.65	STM706RM6E	928-2920	88.00	70.00	61.00	53.00	--
706 2.94	STM706SM6E	928-2939	88.00	70.00	61.00	53.00	--
706 3.08	STM706TM6E	928-2947	88.00	70.00	61.00	53.00	--
708 2.65	STM708RM6E	928-2955	88.00	70.00	61.00	53.00	--
708 2.94	STM708SM6E	928-2963	88.00	70.00	61.00	56.00	--
708 3.08	STM708TM6E	928-2971	88.00	70.00	61.00	53.00	--
813 4.63	STM813LM6E	928-3048	88.00	70.00	61.00	53.00	--
817 4.63	STM817LM6E	928-3056	140.00	112.00	98.00	84.00	--
817 4.38	STM817MM6E	928-3064	140.00	112.00	98.00	84.00	--
818 4.63	STM818LM6E	928-3072	117.00	94.00	82.00	70.00	--
818 4.38	STM818MM6E	928-3080	117.00	94.00	82.00	70.00	--
819 4.38	STM819MM6E	928-3099	129.00	103.00	90.00	82.00	--

STM809/810/811/812 Microprocessor Reset Circuits



STM809/810/811/812 Microprocessor Reset Circuits are low-power supervisory devices used to monitor power supplies. They perform a single function: asserting a reset signal whenever the VCC supply voltage drops below a preset value and keeping it asserted until VCC has risen above the preset threshold for a minimum period of time (trec). The STM811/812 also provide a push-button reset input (MR).

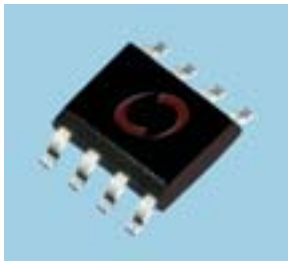
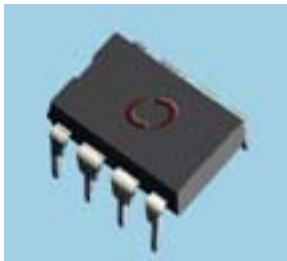
Features:

- Precision Monitoring of 3V, 3.3V, and 5V Supply voltages
- Low Supply Current - 6µA (Typical)
- 140ms Reset Pulse Width (Minimum)
- Guaranteed RST/RST Assertion Down to VCC = 1.0V
- Operating Temperature: -40°C to 85°C (Industrial Grade)
- Small SOT23 and SOT143 package

	Pins/Package	Description
809	3/SOT-23	Microprocessor Reset Circuit, Low Power, 4.63V Threshold
809	3/SOT-23	Microprocessor Reset Circuit, Low Power, 4.38V Threshold
809	3/SOT-23	Microprocessor Reset Circuit, Low Power, 2.63V Threshold
809	3/SOT-23	Microprocessor Reset Circuit, Low Power, 2.93V Threshold
809	3/SOT-23	Microprocessor Reset Circuit, Low Power, 3.08V Threshold
810	3/SOT-23	Microprocessor Reset Circuit, Low Power, 4.63V Threshold
810	3/SOT-23	Microprocessor Reset Circuit, Low Power, 2.63V Threshold
810	3/SOT-23	Microprocessor Reset Circuit, Low Power, 2.93V Threshold
810	3/SOT-23	Microprocessor Reset Circuit, Low Power, 3.08V Threshold
811	4/SOT143	Microprocessor Reset Circuit, Low Power, 4.38V Threshold
811	4/SOT143	Microprocessor Reset Circuit, Low Power, 2.93V Threshold
811	4/SOT143	Microprocessor Reset Circuit, Low Power, 3.08V Threshold
812	4/SOT143	Microprocessor Reset Circuit, Low Power, 4.63V Threshold
812	4/SOT143	Microprocessor Reset Circuit, Low Power, 4.38V Threshold
812	4/SOT143	Microprocessor Reset Circuit, Low Power, 2.63V Threshold
812	4/SOT143	Microprocessor Reset Circuit, Low Power, 2.93V Threshold
812	4/SOT143	Microprocessor Reset Circuit, Low Power, 3.08V Threshold

Type	Mfrs. List No.	Order Code	1+	25+	100+
Active Low, Push Pull	STM809LWX6F	869-0391	20.00	16.00	14.00
Active Low, Push Pull	STM809MWX6F	869-0405	20.00	16.00	14.00
Active Low, Push Pull	STM809RWX6F	869-0413	20.00	16.00	14.00
Active Low, Push Pull	STM809SWX6F	869-0421	20.00	16.00	14.00
Active Low, Push-Pull	STM809TWX6F	869-0430	20.00	16.00	14.00
Active High, Push-Pull	STM810LWX6F	869-0448	20.00	16.00	14.00
Active High, Push-Pull	STM810RWX6F	869-0464	20.00	16.00	14.00
Active High, Push-Pull	STM810SWX6F	869-0472	20.00	16.00	14.00
Active High, Push-Pull	STM810TWX6F	869-0480	20.00	16.00	14.00
Active Low, Push-Pull	STM811MW16F	869-0502	26.00	21.00	18.00
Active Low, Push-Pull	STM811SW16F	869-0529	26.00	21.00	18.00
Active Low, Push-Pull	STM811TW16F	869-0537	26.00	21.00	18.00
Active High, Push-Pull	STM812LW16F	869-0545	26.00	21.00	18.00
Active High, Push-Pull	STM812MW16F	869-0553	26.00	21.00	18.00
Active Low, Push-Pull	STM812RW16F	869-0561	26.00	21.00	18.00
Active Low, Push-Pull	STM812SW16F	869-0570	26.00	21.00	18.00
Active Low, Push-Pull	STM812TW16F	869-0588	26.00	21.00	18.00

Catalyst CPU Supervisory Circuits



The Catalyst range of CPU supervisory circuits with embedded I<sup>2</sup>C EEPROM provide a single-chip supervisor and memory solution in a standard EEPROM package. The combination of the power supply supervisor with the EEPROM memory provides the added security of directly disabling access to the memory during reset conditions. The other design advantages with having the supervisory function in the same package as the standard EEPROM are reduced component counts and saving in board space.

Features:

- Precision single power voltage monitor with EEPROM
- Six factory settable reset thresholds
- Debounced Manual Reset option
- Independent voltage sense
- Watchdog function
- 400KHz I<sup>2</sup>C bus
- Write-protect (WP) prevents accidental EEPROM access

