

Voltage Detectors



Nominal Reset Voltage (V)	Reset Type	Output	Watchdog Timer	Manual Reset	Vcc Range (V)	Package	Digi-Key Part No.	Price Each			Tape and Reel†	
								1	10	25	Qty.	Pricing
2.630	Active Low	Open Drain	No	No	1.0 - 5.5	TO-92	MCP111-270E/TO-ND	.54	.45	.37	—	—
2.900	Active Low	Open Drain	No	No	1.0 - 5.5	TO-92	MCP111-290E/TO-ND	.54	.45	.37	—	—
3.080	Active Low	Open Drain	No	No	1.0 - 5.5	TO-92	MCP111-315E/TO-ND	.54	.45	.37	—	—
4.380	Active Low	Open Drain	No	No	1.0 - 5.5	TO-92	MCP111-450E/TO-ND	.54	.45	.37	—	—
4.630	Active Low	Open Drain	No	No	1.0 - 5.5	TO-92	MCP111-475E/TO-ND	.54	.45	.37	—	—
2.320	Active Low	Open Drain	No	No	1.0 - 5.5	SC-70	MCP111T-240E/LBCT-ND†	.54	.45	.37	3,000	340.00/M
2.630	Active Low	Open Drain	No	No	1.0 - 5.5	SC-70	MCP111T-270E/LBCT-ND†	.54	.45	.37	—	—
2.900	Active Low	Open Drain	No	No	1.0 - 5.5	SC-70	MCP111T-290E/LBCT-ND†	.54	.45	.37	—	—
2.630	Active Low	Open Drain	No	No	1.0 - 5.5	SOT-23B-3	MCP111T-270E/TTCT-ND†	.54	.45	.37	—	—
2.900	Active Low	Open Drain	No	No	1.0 - 5.5	SC-70	MCP111T-290E/LBCT-ND†	.54	.45	.37	—	—
2.930	Active Low	Open Drain	No	No	1.0 - 5.5	SC-70	MCP111T-300E/LBCT-ND†	.54	.45	.37	—	—
2.930	Active Low	Open Drain	No	No	1.0 - 5.5	SOT-23B-3	MCP111T-300E/TTCT-ND†	.54	.45	.37	—	—
3.080	Active Low	Open Drain	No	No	1.0 - 5.5	SC-70	MCP111T-315E/LBCT-ND†	.54	.45	.37	3,000	340.00/M
4.380	Active Low	Open Drain	No	No	1.0 - 5.5	SC-70	MCP111T-450E/LBCT-ND†	.54	.45	.37	—	—
4.380	Active Low	Open Drain	No	No	1.0 - 5.5	SOT-23B-3	MCP111T-450E/TTCT-ND†	.54	.45	.37	—	—
2.63	Active Low	Push-Pull	No	No	1.0 - 5.5	TO-92	MCP112-270E/TO-ND	.54	.45	.37	—	—
3.08	Active Low	Push-Pull	No	No	1.0 - 5.5	TO-92	MCP112-315E/TO-ND	.54	.45	.37	—	—
4.380	Active Low	Push-Pull	No	No	1.0 - 5.5	TO-92	MCP112-450E/TO-ND	.54	.45	.37	—	—
2.320	Active Low	Push-Pull	No	No	1.0 - 5.5	SOT-23B	MCP112T-240E/TTCT-ND†	.54	.45	.37	3,000	340.00/M
2.630	Active Low	Push-Pull	No	No	1.0 - 5.5	SC-70-3	MCP112T-270E/LBCT-ND†	.54	.45	.37	—	—
2.630	Active Low	Push-Pull	No	No	1.0 - 5.5	SOT-23B	MCP112T-270E/TTCT-ND†	.54	.45	.37	—	—
2.900	Active Low	Push-Pull	No	No	1.0 - 5.5	SC-70-3	MCP112T-290E/LBCT-ND†	.54	.45	.37	—	—
2.900	Active Low	Push-Pull	No	No	1.0 - 5.5	SOT-23B	MCP112T-290E/TTCT-ND†	.54	.45	.37	—	—
2.930	Active Low	Push-Pull	No	No	1.0 - 5.5	SC-70-3	MCP112T-300E/LBCT-ND†	.54	.45	.37	—	—
2.930	Active Low	Push-Pull	No	No	1.0 - 5.5	SOT-23B	MCP112T-300E/TTCT-ND†	.54	.45	.37	—	—
3.080	Active Low	Push-Pull	No	No	1.0 - 5.5	SC-70-3	MCP112T-315E/LBCT-ND†	.54	.45	.37	—	—
3.080	Active Low	Push-Pull	No	No	1.0 - 5.5	SOT-23B	MCP112T-315E/TTCT-ND†	.54	.45	.37	—	—
4.380	Active Low	Push-Pull	No	No	1.0 - 5.5	SC-70-3	MCP112T-450E/LBCT-ND†	.54	.45	.37	—	—
4.380	Active Low	Push-Pull	No	No	1.0 - 5.5	SOT-23B	MCP112T-450E/TTCT-ND†	.54	.45	.37	—	—
4.630	Active Low	Push-Pull	No	No	1.0 - 5.5	SC-70-3	MCP112T-475E/LBCT-ND†	.54	.45	.37	—	—
4.630	Active Low	Push-Pull	No	No	1.0 - 5.5	SOT-23B	MCP112T-475E/TTCT-ND†	.54	.45	.37	—	—
1.40	Active Low	Open Drain and Push-Pull	No	No	0.7 - 10	SOT-23A-3	TC54VC1402EGB713CT-ND†	.64	.53	.44	3,000	400.00/M
2.10	Active Low	Open Drain and Push-Pull	No	No	0.7 - 10	SOT-23A	TC54VC2102EGB713CT-ND†	.64	.53	.44	3,000	400.00/M
2.10	Active Low	Open Drain and Push-Pull	No	No	0.7 - 10	TO-92	TC54VC2102EZB-ND	.64	.53	.44	—	—
2.70	Active Low	Open Drain and Push-Pull	No	No	0.7 - 10	SOT-23A	TC54VC2702EGB71CT-ND†	.58	.48	.40	3,000	360.00/M
2.70	Active Low	Open Drain and Push-Pull	No	No	0.7 - 10	TO-92	TC54VC2702EZB-ND	.64	.53	.44	—	—
2.90	Active Low	Open Drain and Push-Pull	No	No	0.7 - 10	SOT-23A	TC54VC2902EGB71CT-ND†	.58	.48	.40	3,000	360.00/M
2.90	Active Low	Open Drain and Push-Pull	No	No	0.7 - 10	TO-92	TC54VC2902EZB-ND	.64	.53	.44	—	—
3.00	Active Low	Open Drain and Push-Pull	No	No	0.7 - 10	SOT-23A	TC54VC3002EGB713CT-ND†	.58	.48	.40	3,000	360.00/M
3.00	Active Low	Open Drain and Push-Pull	No	No	0.7 - 10	TO-92	TC54VC3002EZB-ND	.64	.53	.44	—	—
4.30	Active Low	Open Drain and Push-Pull	No	No	0.7 - 10	SOT-23A	TC54VC4302EGB71CT-ND†	.64	.53	.44	3,000	400.00/M
4.30	Active Low	Open Drain and Push-Pull	No	No	0.7 - 10	SOT-89	TC54VC4302EMB71CT-ND†	.64	.53	.44	1,000	400.00
4.30	Active Low	Open Drain and Push-Pull	No	No	0.7 - 10	TO-92	TC54VC4302EZB-ND	.64	.53	.44	—	—
4.50	Active Low	Open Drain and Push-Pull	No	No	0.7 - 10	SOT-23A	TC54VC4502EGB71CT-ND†	.64	.53	.44	3,000	400.00/M
4.50	Active Low	Open Drain and Push-Pull	No	No	0.7 - 10	TO-92	TC54VC4502EZB-ND	.64	.53	.44	—	—
1.40	Active Low	Open Drain and Push-Pull	No	No	0.7 - 10	SOT-23A-3	TC54VN1402EGB713CT-ND†	.64	.53	.44	3,000	400.00/M
2.10	Active Low	Open Drain and Push-Pull	No	No	0.7 - 10	TO-92	TC54VN1402EZB-ND	.64	.53	.44	—	—
2.10	Active Low	Open Drain and Push-Pull	No	No	0.7 - 10	SOT-23A	TC54VN2102EGB713CT-ND†	.58	.48	.40	3,000	360.00/M
2.70	Active Low	Open Drain and Push-Pull	No	No	0.7 - 10	TO-92	TC54VN2102EZB-ND	.64	.53	.44	—	—
2.70	Active Low	Open Drain and Push-Pull	No	No	0.7 - 10	SOT-23A	TC54VN2702EGB71CT-ND†	.58	.48	.40	3,000	360.00/M
2.70	Active Low	Open Drain and Push-Pull	No	No	0.7 - 10	TO-92	TC54VN2702EZB-ND	.64	.53	.44	—	—
2.90	Active Low	Open Drain and Push-Pull	No	No	0.7 - 10	SOT-23A	TC54VN2902EGB71CT-ND†	.58	.48	.40	—	—
2.90	Active Low	Open Drain and Push-Pull	No	No	0.7 - 10	TO-92	TC54VN2902EZB-ND	.64	.53	.44	—	—
3.00	Active Low	Open Drain and Push-Pull	No	No	0.7 - 10	SOT-23A	TC54VN3002EGB71CT-ND†	.58	.48	.40	3,000	360.00/M
3.00	Active Low	Open Drain and Push-Pull	No	No	0.7 - 10	TO-92	TC54VN3002EZB-ND	.64	.53	.44	—	—
4.30	Active Low	Open Drain and Push-Pull	No	No	0.7 - 10	SOT-23A	TC54VN4302EGB71CT-ND†	.64	.53	.44	3,000	400.00/M
4.30	Active Low	Open Drain and Push-Pull	No	No	0.7 - 10	TO-92	TC54VN4302EZB-ND	.64	.53	.44	—	—
4.50	Active Low	Open Drain and Push-Pull	No	No	0.7 - 10	SOT-23A	TC54VN4502EGB71CT-ND†	.64	.53	.44	3,000	400.00/M
4.50	Active Low	Open Drain and Push-Pull	No	No	0.7 - 10	SOT-89	TC54VN4502EMB71CT-ND†	.64	.53	.44	1,000	400.00
4.50	Active Low	Open Drain and Push-Pull	No	No	0.7 - 10	TO-92	TC54VN4502EZB-ND	.74	.69	.58	—	—

† For Tape and Reel part number, change CT-ND to TR-ND. † Cut Tape

Voltage Reference



Input Voltage (V)	Voltage Reference (V)	Current Output (mA)	Q Current (µA)	Operating Temperature (°C)	Package	Digi-Key Part No.	Price Each			Tape and Reel†	
							1	10	25	Qty.	Pricing
2.7 - 5.5	2.5	2	100	-40 - 85	TO-92	MCP1525-I/TO-ND	.92	.77	.64	—	—
	2.5	2	100	-40 - 85	SOT-23	MCP1525T-I/TTCT-ND†	.92	.77	.64	3,000	580.00/M
4.3 - 5.5	4.096	2	100	-40 - 85	TO-92	MCP1541-I/TO-ND	.92	.77	.64	—	—
	4.096	2	100	-40 - 85	SOT-23	MCP1541T-I/TTCT-ND†	.92	.77	.64	3,000	580.00/M

† For Tape and Reel part number, change CT-ND to TR-ND. † Cut Tape

DC/DC Converters

Description	Input Voltage (V)	Output Voltage (V)	Max. Input Current (µA)	Typical Active Output Current (mA)	Operating Temperature	Package	Digi-Key Part No.	Price Each			Tape and Reel†	
								1	10	25	Qty.	Pricing
Regulated	2.0 - 5.5	3.3 or 5.0	120	120	-45°C - 85°C	8-MSOP	MCP1252-33X50I/MS-ND◆	1.64	1.37	1.14	—	—
	2.0 - 5.5	3.3 or 5.0	120	120	-45°C - 85°C	8-MSOP	MCP1252-ADJ/MS-ND◆	1.64	1.37	1.14	—	—
	2.0 - 5.5	3.3 or 5.0	120	120	-45°C - 85°C	8-MSOP	MCP1253-33X50I/MS-ND◆	1.64	1.37	1.14	—	—
	2.0 - 5.5	3.3 or 5.0	120	120	-45°C - 85°C	8-MSOP	MCP1253-ADJ/MS-ND◆	1.64	1.37	1.14	—	—
	1.8 - 3.6	3.3	10	100	-40°C - 125°C	10-DFN	MCP1256-E/MF-ND◆	1.58	1.46	1.22	—	—
	1.8 - 3.6	3.3	10	100	-40°C - 125°C	10-MSOP	MCP1256-E/UN-ND◆	1.58	1.46	1.22	—	—
	1.8 - 3.6	3.3	10	100	-40°C - 125°C	10-DFN	MCP1257-E/MF-ND◆	1.58	1.46	1.22	—	—
	1.8 - 3.6	3.3	10	100	-40°C - 125°C	10-MSOP	MCP1257-E/UN-ND◆	1.58	1.46	1.22	—	—
	1.8 - 3.6	3.3	10	100	-40°C - 125°C	10-DFN	MCP1258-E/MF-ND◆	1.58	1.46	1.22	—	—
	1.8 - 3.6	3.3	10	100	-40°C - 125°C	10-MSOP	MCP1258-E/UN-ND◆	1.58	1.46	1.22	—	—
	1.8 - 3.6	3.3	10	100	-40°C - 125°C	10-DFN	MCP1259-E/MF-ND◆	1.58	1.46	1.22	—	—
	1.8 - 3.6	3.3	10	100	-40°C - 125°C	10-MSOP	MCP1259-E/UN-ND◆	1.58	1.46	1.22	—	—
Inverting or Doubling	2.7 - 5.5	0.9 to Vin	180	500	-45°C - 85°C	8-MSOP	MCP1601-I/MS-ND◆	1.34	1.23	1.02	—	—
	1.5 - 12	-Vin or 2Vin	80	20	-45°C - 85°C	8-SOIC	TC1044SEDA-ND◆	1.02	.93	.78	—	—
	1.5 - 12	-Vin or 2Vin	80	20	-45°C - 85°C	8-DIP	TC1044SEPA-ND◆	1.02	.93	.78	—	—
	2.4 - 5.5	-Vin or 2Vin	100	100	0°C - 70°C	8-SOIC	TC1121CPA-ND◆	1.34	1.23	1.02	—	—
	2.4 - 5.5	-Vin or 2Vin	100	100	0°C - 70°C	8-DIP	TC1121CPA-ND◆	1.38	1.26	1.05	—	—
	2.4 - 5.5	-Vin	100	100	-45°C - 85°C	8-SOIC	TC1121EPA-ND◆	1.46	1.34	1.11	—	—
2.4 - 5.5	-Vin	100	100	-45°C - 85°C	8-DIP	TC1121EPA-ND◆	1.46	1.34	1.11	—	—	

◆ RoHS Compliant † For Tape and Reel part number, change CT-ND to TR-ND. † Cut Tape

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