

# MICROCHIP Power Management



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## SYSTEM SUPERVISORS (CONT.)

### ◆ Surface Mount Device



For quantities greater than listed, call for quote.

| MOUSER STOCK NO.        | Microchip Part No. | Package   | Nominal Reset Voltage | V <sub>CC</sub> (Min/Max) (V) | I <sub>CC</sub> (Typ) (µA) | Reset Type  | Output     | Operating Temp. Range (°C) | Price Each |     |     |     |
|-------------------------|--------------------|-----------|-----------------------|-------------------------------|----------------------------|-------------|------------|----------------------------|------------|-----|-----|-----|
|                         |                    |           |                       |                               |                            |             |            |                            | 1          | 10  | 25  | 100 |
| ◆ 579-TCM809REN713      | TCM809REN713       | SOT-23B-3 | 2.630                 | 1.0/5.5                       | 12                         | Active Low  | Push-Pull  | -40 to 85                  | .40        | .34 | .29 | .26 |
| ◆ 579-TCM809RVL713      | TCM809RVL713       | SOT-23B-3 | 2.630                 | 1.0/5.5                       | 12                         | Active Low  | Push-Pull  | -40 to 125                 | .40        | .34 | .29 | .26 |
| ◆ 579-MCP1316T-29LE/OT  | MCP1316T-29LE/OT   | SOT-23-5  | 2.900                 | 1.0/5.5                       | 1                          | Active Low  | Push-Pull  | -40 to 125                 | .62        | .59 | .49 | .45 |
| ◆ 579-MCP1317T-29LE/OT  | MCP1317T-29LE/OT   | SOT-23-5  | 2.900                 | 1.0/5.5                       | 1                          | Active High | Push-Pull  | -40 to 125                 | .62        | .59 | .49 | .45 |
| ◆ 579-MCP1319MT-29LE/OT | MCP1319MT-29LE/OT  | SOT-23-5  | 2.900                 | 1.0/5.5                       | 1                          | Active Low  | Open Drain | -40 to 125                 | .62        | .59 | .49 | .45 |
| ◆ 579-MCP1320T-29LE/OT  | MCP1320T-29LE/OT   | SOT-23-5  | 2.900                 | 1.0/5.5                       | 1                          | Active Low  | Open Drain | -40 to 125                 | .62        | .59 | .49 | .45 |
| ◆ 579-MCP1321T-29LE/OT  | MCP1321T-29LE/OT   | SOT-23-5  | 2.900                 | 1.0/5.5                       | 1                          | Active Low  | Open Drain | -40 to 125                 | .62        | .59 | .49 | .45 |
| ◆ 579-MCP1322T-29LE/OT  | MCP1322T-29LE/OT   | SOT-23-5  | 2.900                 | 1.0/5.5                       | 1                          | Active Low  | Open Drain | -40 to 125                 | .62        | .59 | .49 | .45 |
| ◆ 579-MCP100T-300I/TT   | MCP100T-300I/TT    | SOT-23-3  | 2.925                 | 1.0/5.5                       | 45                         | Active Low  | Push-Pull  | -40 to 85                  | .40        | .34 | .29 | .26 |
| ◆ 579-MCP101T-300I/TT   | MCP101T-300I/TT    | SOT-23-3  | 2.925                 | 1.0/5.5                       | 45                         | Active High | Push-Pull  | -40 to 85                  | .40        | .34 | .29 | .26 |
| ◆ 579-MCP120-300DI/TO   | MCP120-300DI/TO    | TO-92-3   | 2.925                 | 1.0/5.5                       | 45                         | Active Low  | Open Drain | -40 to 85                  | .54        | .45 | .37 | .34 |
| ◆ 579-MCP120T-300I/TT   | MCP120T-300I/TT    | SOT-23-3  | 2.925                 | 1.0/5.5                       | 45                         | Active Low  | Open Drain | -40 to 85                  | .54        | .45 | .37 | .34 |
| ◆ 579-MCP130-300DI/TO   | MCP130-300DI/TO    | TO-92-3   | 2.925                 | 1.0/5.5                       | 45                         | Active Low  | Open Drain | -40 to 85                  | .54        | .45 | .37 | .34 |
| ◆ 579-MCP130T-300I/TT   | MCP130T-300I/TT    | SOT-23-3  | 2.925                 | 1.0/5.5                       | 45                         | Active Low  | Open Drain | -40 to 85                  | .54        | .45 | .37 | .34 |
| ◆ 579-TCM809TVNB713     | TCM809TVNB713      | SOT-23B-3 | 3.080                 | 1.0/5.5                       | 12                         | Active Low  | Push-Pull  | -40 to 125                 | .40        | .34 | .29 | .26 |
| ◆ 579-MCP100-450DI/TO   | MCP100-450DI/TO    | TO-92-3   | 4.375                 | 1.0/5.5                       | 45                         | Active Low  | Push-Pull  | -40 to 85                  | .40        | .34 | .29 | .26 |
| ◆ 579-MCP100T-450I/TT   | MCP100T-450I/TT    | SOT-23-3  | 4.375                 | 1.0/5.5                       | 45                         | Active Low  | Push-Pull  | -40 to 85                  | .40        | .34 | .29 | .26 |
| ◆ 579-MCP101-450DI/TO   | MCP101-450DI/TO    | TO-92-3   | 4.375                 | 1.0/5.5                       | 45                         | Active High | Push-Pull  | -40 to 85                  | .40        | .34 | .29 | .26 |
| ◆ 579-MCP101T-450I/TT   | MCP101T-450I/TT    | SOT-23-3  | 4.375                 | 1.0/5.5                       | 45                         | Active High | Push-Pull  | -40 to 85                  | .40        | .34 | .29 | .26 |
| ◆ 579-MCP120-450DI/TO   | MCP120-450DI/TO    | TO-92-3   | 4.375                 | 1.0/5.5                       | 45                         | Active Low  | Open Drain | -40 to 85                  | .54        | .45 | .37 | .34 |
| ◆ 579-MCP120T-450I/TT   | MCP120T-450I/TT    | SOT-23-3  | 4.375                 | 1.0/5.5                       | 45                         | Active Low  | Open Drain | -40 to 85                  | .54        | .45 | .37 | .34 |
| ◆ 579-MCP130-450DI/TO   | MCP130-450DI/TO    | TO-92-3   | 4.375                 | 1.0/5.5                       | 45                         | Active Low  | Open Drain | -40 to 85                  | .54        | .45 | .37 | .34 |
| ◆ 579-MCP130T-450I/TT   | MCP130T-450I/TT    | SOT-23-3  | 4.375                 | 1.0/5.5                       | 45                         | Active Low  | Open Drain | -40 to 85                  | .54        | .45 | .37 | .34 |
| ◆ 579-MCP1316T-46LE/OT  | MCP1316T-46LE/OT   | SOT-23-5  | 4.600                 | 1.0/5.5                       | 1                          | Active Low  | Push-Pull  | -40 to 125                 | .62        | .59 | .49 | .45 |
| ◆ 579-MCP1317T-46LE/OT  | MCP1317T-46LE/OT   | SOT-23-5  | 4.600                 | 1.0/5.5                       | 1                          | Active High | Push-Pull  | -40 to 125                 | .62        | .59 | .49 | .45 |
| ◆ 579-MCP1319MT-46LE/OT | MCP1319MT-46LE/OT  | SOT-23-5  | 4.600                 | 1.0/5.5                       | 1                          | Active Low  | Open Drain | -40 to 125                 | .62        | .59 | .49 | .45 |
| ◆ 579-MCP1320T-46LE/OT  | MCP1320T-46LE/OT   | SOT-23-5  | 4.600                 | 1.0/5.5                       | 1                          | Active Low  | Open Drain | -40 to 125                 | .62        | .59 | .49 | .45 |
| ◆ 579-MCP1322T-46LE/OT  | MCP1322T-46LE/OT   | SOT-23-5  | 4.600                 | 1.0/5.5                       | 1                          | Active Low  | Open Drain | -40 to 125                 | .62        | .59 | .49 | .45 |
| ◆ 579-MCP100T-475I/TT   | MCP100T-475I/TT    | SOT-23-3  | 4.625                 | 1.0/5.5                       | 45                         | Active Low  | Push-Pull  | -40 to 85                  | .40        | .34 | .29 | .26 |
| ◆ 579-MCP101T-475I/TT   | MCP101T-475I/TT    | SOT-23-3  | 4.625                 | 1.0/5.5                       | 45                         | Active High | Push-Pull  | -40 to 85                  | .40        | .34 | .29 | .26 |
| ◆ 579-TCM809LVNB713     | TCM809LVNB713      | SOT-23B-3 | 4.630                 | 1.0/5.5                       | 12                         | Active Low  | Push-Pull  | -40 to 125                 | .40        | .34 | .29 | .26 |

## VOLTAGE DETECTORS

### ◆ Surface Mount Device



For quantities greater than listed, call for quote.

| MOUSER STOCK NO.  | Microchip Part No. | Package | Minimal Reset Voltage | Hysteresis Voltage (Typ)(mV) | Tolerance (%) | Supply Current (Typ)(µA) | Reset Type | Output     | Operating Temp. Range (°C) | Price Each |     |     |     |
|-------------------|--------------------|---------|-----------------------|------------------------------|---------------|--------------------------|------------|------------|----------------------------|------------|-----|-----|-----|
|                   |                    |         |                       |                              |               |                          |            |            |                            | 1          | 10  | 25  | 100 |
| 579-TC54VN4302EZB | TC54VN4302EZB      | TO-92-3 | 4.21                  | 215                          | ±2            | 1.1                      | Active Low | Open Drain | -40 to 85                  | .63        | .53 | .44 | .40 |

## VOLTAGE REFERENCES

### ◆ Surface Mount Device

For quantities greater than listed, call for quote.

| MOUSER STOCK NO.  | Microchip Part No. | Package  | Output Voltage (Typ)(V) | Initial Accuracy (Max)(%) | Temp Coeff (Max) (ppm/°C) | Output Current Drive (mA) | Max Load Current (mA) | V <sub>CC</sub> Range (V) | Price Each |     |     |     |
|-------------------|--------------------|----------|-------------------------|---------------------------|---------------------------|---------------------------|-----------------------|---------------------------|------------|-----|-----|-----|
|                   |                    |          |                         |                           |                           |                           |                       |                           | 1          | 10  | 25  | 100 |
| ◆ 579-MCP1525ITO  | MCP1525-I/TO       | TO-92-3  | 2.5                     | 1                         | 50                        | 2                         | ±2                    | 2.7 to 5.5                | .92        | .77 | .64 | .58 |
| ◆ 579-MCP1525TITT | MCP1525T-I/TT      | SOT-23-3 | 2.5                     | 1                         | 50                        | 2                         | ±2                    | 2.7 to 5.5                | .92        | .77 | .64 | .58 |
| ◆ 579-MCP1541ITO  | MCP1541-I/TO       | TO-92-3  | 4.096                   | 1                         | 50                        | 2                         | ±2                    | 4.3 to 5.5                | .92        | .77 | .64 | .58 |
| ◆ 579-MCP1541TITT | MCP1541T-I/TT      | SOT-23-3 | 4.096                   | 1                         | 50                        | 2                         | ±2                    | 4.3 to 5.5                | .92        | .77 | .64 | .58 |

## BATTERY CHARGERS

### ◆ Surface Mount Device



For quantities greater than listed, call for quote.

| MOUSER STOCK NO.        | Microchip Part No. | Package  | No. of Cells | V <sub>CC</sub> Range (V) | Internal/ External FET | Voltage Regulation Accuracy (%) | Temperature Monitor | Charge Safety Timers | Thermal Regulation | Price Each |      |      |      |
|-------------------------|--------------------|----------|--------------|---------------------------|------------------------|---------------------------------|---------------------|----------------------|--------------------|------------|------|------|------|
|                         |                    |          |              |                           |                        |                                 |                     |                      |                    | 1          | 10   | 25   | 100  |
| ◆ 579-MCP73811T-420IOT  | MCP73811T-420I/OT  | SOT-23-5 | 1            | 3.75 to 6.0               | Internal               | 1                               | No                  | No                   | Yes                | .56        | .51  | .43  | .39  |
| ◆ 579-MCP73812T-420IOT  | MCP73812T-420I/OT  | SOT-23-5 | 1            | 3.75 to 6.0               | Internal               | 1                               | No                  | No                   | Yes                | .60        | .54  | .45  | .41  |
| ◆ 579-MCP73831T-2ACIOT  | MCP73831T-2ACI/OT  | SOT-23-5 | 1            | 3.75 to 6.0               | Internal               | 0.75                            | No                  | No                   | Yes                | .60        | .56  | .47  | .42  |
| ◆ 579-MCP73832T-2ACIOT  | MCP73832T-2ACI/OT  | SOT-23-5 | 1            | 3.75 to 6.0               | Internal               | 0.75                            | No                  | No                   | Yes                | .60        | .56  | .47  | .42  |
| ◆ 579-MCP73833-AMI/MF   | MCP73833-AMI/MF    | DFN-10   | 1            | 3.75 to 6.0               | Internal               | 0.75                            | Yes                 | Yes                  | Yes                | .94        | .85  | .71  | .65  |
| ◆ 579-MCP73833-AMI/UF   | MCP73833-AMI/UF    | MSOP-10  | 1            | 3.75 to 6.0               | Internal               | 0.75                            | Yes                 | Yes                  | Yes                | .94        | .85  | .71  | .65  |
| ◆ 579-MCP73834-FCI/UF   | MCP73834-FCI/UF    | MSOP-10  | 1            | 3.75 to 6.0               | Internal               | 0.75                            | Yes                 | Yes                  | Yes                | .94        | .85  | .71  | .65  |
| ◆ 579-MCP73837-FCI/MF   | MCP73837-FCI/MF    | DFN-10   | 1            | 3.75 to 6.0               | Internal               | 0.5                             | Yes                 | Yes                  | Yes                | 1.22       | 1.12 | .93  | .85  |
| ◆ 579-MCP73837-FCI/UF   | MCP73837-FCI/UF    | MSOP-10  | 1            | 3.75 to 6.0               | Internal               | 0.5                             | Yes                 | Yes                  | Yes                | 1.22       | 1.12 | .93  | .85  |
| ◆ 579-MCP73838-FCI/MF   | MCP73838-FCI/MF    | DFN-10   | 1            | 3.75 to 6.0               | Internal               | 0.5                             | Yes                 | Yes                  | Yes                | 1.22       | 1.12 | .93  | .85  |
| ◆ 579-MCP73113-06SI/MF  | MCP73113-06SI/MF   | DFN-10   | 1            | 4 to 16                   | Internal               | 0.5                             | No                  | Yes                  | Yes                | 1.22       | 1.12 | .93  | .85  |
| ◆ 579-MCP73113-16SI/MF  | MCP73113-16SI/MF   | DFN-10   | 1            | 4 to 16                   | Internal               | 0.5                             | No                  | Yes                  | Yes                | 1.22       | 1.12 | .93  | .85  |
| ◆ 579-MCP73114-1NSI/MF  | MCP73114-1NSI/MF   | DFN-10   | 1            | 4 to 16                   | Internal               | 0.5                             | No                  | Yes                  | Yes                | 1.22       | 1.12 | .93  | .85  |
| ◆ 579-MCP73123-22SI/MF  | MCP73123-22SI/MF   | DFN-10   | 1            | 4 to 16                   | Internal               | 0.5                             | No                  | Yes                  | Yes                | 1.22       | 1.12 | .93  | .85  |
| ◆ 579-MCP73123T-22SI/MF | MCP73123T-22SI/MF  | DFN-10   | 1            | 4 to 16                   | Internal               | 0.5                             | No                  | Yes                  | Yes                | 1.22       | 1.12 | .93  | .85  |
| ◆ 579-MCP73124-2JAI/MF  | MCP73124-2JAI/MF   | DFN-10   | 1            | 4.2 to 6.5                | Internal               | 0.5                             | No                  | Yes                  | Yes                | 1.22       | 1.12 | .93  | .85  |
| ◆ 579-MCP73871-2AAI/ML  | MCP73871-2AAI/ML   | QFN-20   | 1            | 4.4 to 6.0                | Internal               | 0.5                             | Yes                 | Yes                  | Yes                | 1.94       | 1.79 | 1.49 | 1.35 |
| ◆ 579-MCP73871-2CCI/ML  | MCP73871-2CCI/ML   | QFN-20   | 1            | 4.4 to 6.0                | Internal               | 0.5                             | Yes                 | Yes                  | Yes                | 1.94       | 1.79 | 1.49 | 1.35 |
| ◆ 579-MCP73841-410I/UN  | MCP73841-410I/UN   | MSOP-10  | 1            | 4.5 to 12                 | External               | 0.5                             | Yes                 | Yes                  | No                 | 1.36       | 1.29 | 1.07 | .98  |
| ◆ 579-MCP73841-420I/UN  | MCP73841-420I/UN   | MSOP-10  | 1            | 4.5 to 12                 | External               | 0.5                             | Yes                 | Yes                  | No                 | 1.36       | 1.29 | 1.07 | .98  |
| ◆ 579-MCP73843-420I/MS  | MCP73843-420I/MS   | MSOP-8   | 1            | 4.5 to 12                 | External               | 0.5                             | No                  | Yes                  | No                 | 1.28       | 1.23 | 1.02 | .93  |
| ◆ 579-MCP73861-I/ML     | MCP73861-I/ML      | QFN-16   | 1            | 4.5 to 12                 | Internal               | 0.5                             | Yes                 | Yes                  | Yes                | 2.02       | 1.93 | 1.60 | 1.46 |
| ◆ 579-MCP73861-I/SL     | MCP73861-I/SL      | SOIC-16  | 1            | 4.5 to 12                 | Internal               | 0.5                             | Yes                 | Yes                  | Yes                | 2.02       | 1.93 | 1.60 | 1.46 |
| ◆ 579-MCP73863-I/SL     | MCP73863-I/SL      | SOIC-16  | 1            | 4.5 to 12                 | Internal               | 0.5                             | Yes                 | Yes                  | Yes                | 2.02       | 1.93 | 1.60 | 1.46 |
| ◆ 579-MCP73213-A6SI/MF  | MCP73213-A6SI/MF   | DFN-10   | 2            | 4 to 16                   | Internal               | 0.6                             | No                  | Yes                  | Yes                | 1.94       | 1.79 | 1.49 | 1.35 |
| ◆ 579-MCP73213T-A6SI/MF | MCP73213T-A6SI/MF  | DFN-10   | 2            | 4 to 16                   | Internal               | 0.6                             | No                  | Yes                  | Yes                | 1.94       | 1.79 | 1.49 | 1.35 |
| ◆ 579-MCP73213-B6SI/MF  | MCP73213-B6SI/MF   | DFN-10   | 2            | 4 to 16                   | Internal               | 0.6                             | No                  | Yes                  | Yes                | 1.94       | 1.79 | 1.49 | 1.35 |
| ◆ 579-MCP73223-C2SI/MF  | MCP73223-C2SI/MF   | DFN-10   | 2            | 4 to 16                   | Internal               | 0.6                             | No                  | Yes                  | Yes                | 1.94       | 1.79 | 1.49 | 1.35 |
| ◆ 579-MCP73842-840I/UN  | MCP73842-840I/UN   | MSOP-10  | 2            | 8.7 to 12                 | External               | 0.5                             | Yes                 | Yes                  | No                 | 1.44       | 1.37 | 1.14 | 1.04 |
| ◆ 579-MCP73844-840I/MS  | MCP73844-840I/MS   | MSOP-8   | 2            | 8.7 to 12                 | External               | 0.5                             | No                  | Yes                  | No                 | 1.38       | 1.30 | 1.09 | .99  |
| ◆ 579-MCP73862-I/ML     | MCP73862-I/ML      | QFN-16   | 2            | 8.7 to 12                 | Internal               | 0.5                             | Yes                 | Yes                  | Yes                | 2.28       | 2.17 | 1.81 | 1.65 |
| ◆ 579-MCP73862-I/SL     | MCP73862-I/SL      | SOIC-16  | 2            | 8.7 to 12                 | Internal               | 0.5                             | Yes                 | Yes                  | Yes                | 2.28       | 2.17 | 1.81 | 1.65 |
| ◆ 579-MCP73864-I/SL     | MCP73864-I/SL      | SOIC-16  | 2            | 8.7 to 12                 | Internal               | 0.5                             | Yes                 | Yes                  | Yes                | 2.28       | 2.17 | 1.81 | 1.65 |