



Power Management (Cont.)



Switching Regulators

Description	Input Voltage Range (V)	Output Voltage (V)	Operating Temperature Range (°C)	Output	Control Scheme	Switching Frequency (kHz)	Typical Active Supply (µA)	Output Current (mA)	Package	Digi-Key Part No.	Price Each		
											1	10	25
Buck Regulator	2.7 - 5.5	0.8 - 4.5	-40 - 85	0.8V - 4.5V	PFM/PWM	2,000	45	500	8-DFN	MCP1603-ADJ/MC-ND NEW!	1.30	1.19	.99
Step-Down	2.7 - 5.5	0.8 - 5.0	-40 - 85	Adjustable	PWM	1,400	5,000	1,000	8-MSOP	MCP1612-ADJ/MS-ND NEW!	1.86	1.71	1.43
Step-Up	0.35	2.0 - 5.5	-40 - 85	Variable	PWM	500	220	175	SOT-23-6	MCP1623T-I/CHYCT-ND NEW!	.63	.51	.43
Step-Up	0.35	2.0 - 5.5	-40 - 85	Variable	PWM	500	220	175	SOT-23-6	MCP1623T-I/CHYTR-ND NEW!	1144.60/3,000		
Step-Up	0.35	2.0 - 5.5	-40 - 85	Variable	PFM/PWM	500	19	175	SOT-23-6	MCP1624T-I/CHYCT-ND NEW!	.63	.51	.43
Step-Up	0.35	2.0 - 5.5	-40 - 85	Variable	PFM/PWM	500	19	175	SOT-23-6	MCP1624T-I/CHYTR-ND NEW!	1144.60/3,000		
Evaluation Board for MCP1612										MCP1612EV-ND	39.28	—	—

◆ RoHS Compliant † Cut Tape ▲ Tape and Reel

Battery Management

Linear Mode	No. of Li-Ion Cells	Vcc Range (V)	Typical Reverse Leakage Current (µA)	Temperature Range (°C)	Integrated FET	Package	Digi-Key Part No.	Price Each			Tape and Reel ‡			
								1	10	25	Qty.	Pricing		
Yes	1	4 - 16	0.5	-40 - 85	Internal	10-DFN	MCP73113-06SI/MF-ND NEW!	1.37	1.26	1.05	—	—		
Yes	1	4 - 16	0.7	-40 - 85	Internal	10-DFN	MCP73113-16SI/MF-ND NEW!	1.37	1.26	1.05	—	—		
Yes	1	4 - 16	0.7	-40 - 85	Internal	10-DFN	MCP73114-0NSI/MF-ND NEW!	1.39	1.26	1.05	—	—		
Yes	1	4 - 16	0.7	-40 - 85	Internal	10-DFN	MCP73114-1NSI/MF-ND NEW!	1.37	1.26	1.05	—	—		
Yes	1	4 - 16	0.7	-40 - 85	Internal	10-DFN	MCP73123-22SI/MF-ND NEW!	1.37	1.26	1.05	—	—		
—	—	—	—	—	—	—	—	—	—	—	—	—		
Yes	2	4 - 16	0.7	-40 - 85	Internal	10-DFN	MCP73124-2JAI/MF-ND NEW!	1.37	1.26	1.05	—	—		
Yes	2	4 - 16	0.7	-40 - 85	Internal	10-DFN	MCP73213-A6SI/MF-ND NEW!	2.18	2.01	1.68	—	—		
Yes	2	4 - 16	0.7	-40 - 85	Internal	10-DFN	MCP73213-B6SI/MF-ND NEW!	2.18	2.01	1.68	—	—		
Yes	2	4 - 16	0.7	-40 - 85	Internal	10-DFN	MCP73223-C2SI/MF-ND NEW!	2.18	2.01	1.68	—	—		
Yes	1	3.75 - 6.0	1	-40 - 85	Internal	SOT-23-5	MCP73811T-420I/OTCT-ND NEW!	.71	.58	.49	3,000	437.65/M		
Yes	1	3.75 - 6.0	1	-40 - 85	Internal	SOT-23-5	MCP73812T-420I/OTCT-ND NEW!	.76	.61	.51	3,000	460.09/M		
Yes	1	4.5 - 5.5	8	-20 - 85	External	SOT-23-6	MCP73826-4.2VCHCT-ND NEW!	1.21	1.01	.85	3,000	763.07/M		
Yes	1	4.5 - 5.5	8	-20 - 85	External	8-MSOP	MCP73827-4.1VUA-ND	1.29	1.08	.90	—	—		
Yes	1	4.5 - 5.5	8	-20 - 85	External	8-MSOP	MCP73827-4.2VUA-ND	1.29	1.08	.90	—	—		
Yes	1	4.5 - 5.5	1	-20 - 85	External	8-MSOP	MCP73828-4.2VUA-ND	1.29	1.08	.90	—	—		
Yes	1	3.75 - 6.0	0.15	-40 - 85	Internal	SOT-23-5	MCP73831T-2ACI/OTCT-ND NEW!	.76	.63	.53	3,000	471.31/M		
Yes	1	3.75 - 6.0	0.15	-40 - 85	Internal	SOT-23-5	MCP73831T-2ATI/OTCT-ND NEW!	.76	.63	.53	3,000	471.31/M		
Yes	1	3.75 - 6.0	0.15	-40 - 85	Internal	SOT-23-5	MCP73831T-2DCI/OTCT-ND NEW!	.76	.63	.53	3,000	471.31/M		
Yes	1	3.75 - 6.0	0.15	-40 - 85	Internal	SOT-23-5	MCP73832T-2ACI/OTCT-ND NEW!	.76	.63	.53	3,000	471.31/M		
Yes	1	3.75 - 6.0	0.15	-40 - 85	Internal	SOT-23-5	MCP73832T-2ATI/OTCT-ND NEW!	.76	.63	.53	3,000	471.31/M		
Yes	1	3.75 - 6.0	0.15	-40 - 85	Internal	SOT-23-5	MCP73832T-2DCI/OTCT-ND NEW!	.76	.63	.53	3,000	471.31/M		
Yes	1	3.75 - 6.0	0.15	-40 - 85	Internal	SOT-23-5	MCP73832T-2DFI/OTCT-ND NEW!	.76	.63	.53	3,000	471.31/M		
Yes	1	3.75 - 6.0	0.15	-40 - 85	Internal	10-MSOP	MCP73833-AMI/UN-ND NEW!	1.05	.96	.80	—	—		
Yes	1	3.75 - 6.0	0.15	-40 - 85	Internal	10-MSOP	MCP73833-FCI/UN-ND NEW!	1.05	.96	.80	—	—		
Yes	1	3.75 - 6.0	0.15	-40 - 85	Internal	10-MSOP	MCP73834-FCI/UN-ND NEW!	1.05	.96	.80	—	—		
Yes	1	3.75 - 6.0	0.5	-40 - 85	Internal	10-DFN	MCP73837-FCI/MF-ND NEW!	1.37	1.26	1.05	—	—		
Yes	1	3.75 - 6.0	0.5	-40 - 85	Internal	10-MSOP	MCP73837-FCI/UN-ND NEW!	1.37	1.26	1.05	—	—		
Yes	1	3.75 - 6.0	0.5	-40 - 85	Internal	10-DFN	MCP73837-FJI/MF-ND NEW!	1.37	1.26	1.05	—	—		
Yes	1	3.75 - 6.0	0.5	-40 - 85	Internal	10-DFN	MCP73837-NVI/MF-ND NEW!	1.37	1.26	1.05	—	—		
Yes	1	3.75 - 6.0	0.5	-40 - 85	Internal	10-DFN	MCP73837T-FCI/MFCT-ND NEW!	1.54	1.26	1.05	3,300	953.84/M		
Yes	1	3.75 - 6.0	0.5	-40 - 85	Internal	10-MSOP	MCP73837-NVI/UN-ND NEW!	1.37	1.26	1.05	—	—		
Yes	1	3.75 - 6.0	0.5	-40 - 85	Internal	10-DFN	MCP73838-FCI/MF-ND NEW!	1.37	1.26	1.05	—	—		
Yes	1	3.75 - 6.0	0.5	-40 - 85	Internal	10-DFN	MCP73838-FJI/MF-ND NEW!	1.37	1.26	1.05	—	—		
Yes	1	3.75 - 6.0	0.5	-40 - 85	Internal	10-DFN	MCP73838-NVI/MF-ND NEW!	1.37	1.26	1.05	—	—		
Yes	1	3.75 - 6.0	0.5	-40 - 85	Internal	10-MSOP	MCP73838-NVI/UN-ND NEW!	1.37	1.26	1.05	—	—		
Yes	1	3.75 - 6.0	0.5	-40 - 85	Internal	10-DFN	MCP73838T-FCI/MFCT-ND NEW!	1.54	1.26	1.05	3,300	953.84/M		
Yes	1	3.75 - 6.0	0.5	-40 - 85	Internal	10-DFN	MCP73838T-FJI/MFCT-ND NEW!	1.54	1.26	1.05	3,300	953.84/M		
Yes	1	4.5 - 12	0.4	-40 - 85	External	10-MSOP	MCP73841-420I/UN-ND NEW!	1.74	1.45	1.21	—	—		
Yes	2	8.7 - 12	0.4	-40 - 85	External	10-MSOP	MCP73842-840I/UN-ND NEW!	1.84	1.54	1.28	—	—		
Yes	1	4.5 - 12	0.4	-40 - 85	External	8-MSOP	MCP73843-420I/MS-ND NEW!	1.66	1.38	1.15	—	—		
Yes	2	8.7 - 12	0.4	-40 - 85	External	8-MSOP	MCP73844-840I/MS-ND NEW!	1.75	1.46	1.23	—	—		
Yes	1	4.5 - 5.5	0.24	-40 - 85	Internal	16-QFN	MCP73853-I/ML-ND NEW!	2.41	2.01	1.68	—	—		
Yes	1	4.5 - 5.5	0.24	-40 - 85	Internal	16-QFN	MCP73853T-I/MLCT-ND NEW!	2.38	2.01	1.68	—	—		
Yes	1	4.5 - 5.5	0.24	-40 - 85	Internal	10-DFN	MCP73855-I/MF-ND NEW!	2.09	1.74	1.45	—	—		
Yes	1	4.5 - 5.5	0.24	-40 - 85	Internal	10-DFN	MCP73855T-I/MFCT-ND NEW!	2.08	1.74	1.45	3,300	1324.15/M		
Yes	1	4.5 - 12	0.5	-40 - 85	Internal	16-SOIC	MCP73861-I/SL-ND NEW!	2.60	2.17	1.80	—	—		
Yes	2	8.7 - 12	0.23	-40 - 85	Internal	16-SOIC	MCP73862-I/SL-ND NEW!	2.92	2.44	2.04	—	—		
Yes	2	8.7 - 12	0.23	-40 - 85	Internal	16-QFN	MCP73862T-I/MLCT-ND NEW!	2.88	2.44	2.04	3,300	1851.57/M		
Yes	1	4.5 - 12	0.5	-40 - 85	Internal	16-QFN	MCP73863-I/ML-ND NEW!	2.60	2.17	1.80	—	—		
Yes	1	4.5 - 12	0.5	-40 - 85	Internal	16-SOIC	MCP73863-I/SL-ND NEW!	2.60	2.17	1.80	—	—		
Yes	2	8.7 - 12	0.5	-40 - 85	Internal	16-QFN	MCP73864-I/ML-ND NEW!	2.92	2.44	2.04	—	—		
Yes	2	8.7 - 12	0.23	-40 - 85	Internal	16-SOIC	MCP73864-I/SL-ND NEW!	2.92	2.44	2.04	—	—		
Yes	1	4.4 - 6.0	30	-40 - 85	Internal	20-QFN	MCP73871-2AAI/ML-ND NEW!	2.18	2.01	1.68	—	—		
Yes	1	4.4 - 6.0	30	-40 - 85	Internal	20-QFN	MCP73871-2CAI/ML-ND NEW!	2.18	2.01	1.68	—	—		
Yes	1	4.4 - 6.0	30	-40 - 85	Internal	20-QFN	MCP73871-2CCI/ML-ND NEW!	2.18	2.01	1.68	—	—		
Reference Design Power Path for MCP7383X										MCP7383XRD-PPM-ND NEW!	44.89	—	—	—
Evaluation Board for MCP73833										MCP73833EV-ND	22.44	—	—	—
Evaluation Kit for MCP7384X										MCP7384XEV-ND	50.50	—	—	—
Evaluation Board for MCP7386X										MCP7386XEV-ND	33.66	—	—	—
Demo Board for MCP73871 with Voltage Proportional Current Control (VPCC)										MCP73871DM-VPCC-ND NEW!	22.44	—	—	—
Evaluation Board for MCP73871										MCP73871EV-ND	22.44	—	—	—
Evaluation Board Battery Charger for MCP73113										MCP73113EV-1SOVP-ND NEW!	22.43	—	—	—
Evaluation Board Battery Charger for MCP73213										MCP73213EV-2SOVP-ND NEW!	22.43	—	—	—
Evaluation Board Battery Charger for MCP73X23										MCP73X23EV-LFP-ND NEW!	28.04	—	—	—
Single Chip Battery Manager, 28-SSOP										PS402-I/SS042-ND	4.54	—	—	—

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

(Continued)

Digi-Reel® Most SMT cutdown parts are available on a Digi-Reel®. For Digi-Reel part number, change 1-ND to 6-ND or CT-ND to DKR-ND. See Digi-Key® Services on page 2 for additional information.

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