

SEM154A

Mfr.	Pins	Description	Mfrs. List No.	Order Code	Price Each					
					1+	10+	100+	250+	500+	
3800	UNI	8	Low Power BiCMOS Current Mode PWM Controller. 7.2V/100%.....	UCC3800N	<b>641-467</b>					
3801	UNI	8	Low Power BiCMOS Current Mode PWM Controller. 9.4V/50%.....	UCC3801N	<b>642-277</b>					
3802	UNI	8	Low Power BiCMOS Current Mode PWM Controller. 12.5V/100%....	UCC3802N	<b>642-289</b>					
3803	UNI	8	Low Power BiCMOS Current Mode PWM Controller. 4.1V/100%.....	UCC3803N	<b>642-290</b>					
3804	UNI	8	Low Power BiCMOS Current Mode PWM Controller. 12.5V/50%.....	UCC3804N	<b>641-479</b>					
3805	UNI	8	Low Power BiCMOS Current Mode PWM Controller. 4.1V/50%.....	UCC3805N	<b>642-307</b>					
3806	UNI	16	Low Power, Dual Output, BiCMOS Current Mode PWM Controller up to 1MHz operation, 7.5V start threshold, 50% max. duty cycle	UCC3806N	<b>641-510</b>					
3808	UNI	8	BCDMOS Primary Side PWM Controller 12.5V turn on, 8.3V turn off thresholds, On-Chip Vdd clamping.....	UCC3808N-1	<b>NEW 352-7153</b>					
3808	UNI	8	BCDMOS Primary Side PWM Controller 12.5V turn on, 8.3V turn off thresholds, On-Chip Vdd clamping.....	UCC3808D-1	<b>SMD NEW 352-7165</b>					
3808	UNI	8	BCDMOS Primary Side PWM Controller 4.3V turn on, 4.1V turn off thresholds, On-Chip Vdd clamping.....	UCC3808N-2	<b>NEW 352-7177</b>					
3808	UNI	8	BCDMOS Primary Side PWM Controller 4.3V turn on, 4.1V turn off thresholds, On-Chip Vdd clamping.....	UCC3808D-2	<b>SMD NEW 352-7189</b>					
3809	UNI	8	BCDMOS Primary Side PWM Controller 12.5V turn on, 8.3V turn off thresholds, prog. duty cycle.....	UCC3809N-1	<b>NEW 352-7116</b>					
3809	UNI	8	BCDMOS Primary Side PWM Controller 12.5V turn on, 8.3V turn off thresholds, prog. duty cycle.....	UCC3809D-1	<b>SMD NEW 352-7128</b>					
3809	UNI	8	BCDMOS Primary Side PWM Controller 4.3V turn on, 4.1V turn off thresholds, prog. duty cycle.....	UCC3809N-2	<b>NEW 352-7130</b>					
3809	UNI	8	BCDMOS Primary Side PWM Controller 4.3V turn on, 4.1V turn off thresholds, prog. duty cycle.....	UCC3809D-2	<b>SMD NEW 352-7141</b>					
3810	AD	8	Secondary side off-line battery charger controller. 12.6V battery voltage.	ADP3810AR-12.6	<b>SMD 314-6455</b>					
3811	AD	8	Secondary side off-line battery charger controller. Adjustable battery voltage	ADP3811AR	<b>SMD 314-6467</b>					
3817	UNI	16	BiCMOS Power Factor Pre Regulator.....	UCC3817D	<b>SMD NEW 352-7049</b>					
3817	UNI	16	BiCMOS Power Factor Pre Regulator with on-chip shunt regulator, this device achieves near unity power factor by shaping the ac input current waveform	UCC3817N	<b>NEW 352-7037</b>					
3818	UNI	16	BiCMOS Power Factor Pre Regulator.....	UCC3818D	<b>SMD NEW 352-7062</b>					
3818	UNI	16	BiCMOS Power Factor Pre Regulator for fixed supply, performs shaping of the ac input current.....	UCC3818N	<b>NEW 352-7050</b>					
3822	NSC	8	Current gauge IC with internal zero ohm sense element and PWM output, used for high-side sensing. Current option $\pm 1.0A$ (IND TEMP).....	LM3822MM-1.0	<b>SMD NEW 355-0527</b>					
3825	UNI	16	High Speed PWM Controller.....	UC3825N	<b>246-293</b>					
3827	UNI	24	Buck Current fed Push-Pull PWM Controller.....	UC3827N-1	<b>113-487</b>					
3827	UNI	24	Buck Current fed Push-Pull PWM Controller.....	UC3827N-2	<b>113-499</b>					
3842	ST	8	Pulse Width Modulation Controller.....	UC3842AN	<b>323-6389</b>					
3842	ST	14	Pulse Width Modulation Controller.....	UC3842D	<b>SMD 323-6377</b>					
3842	ST	8	Current Mode PWM Controller up to 500kHz operation, low start current, 17.5V start threshold, 100% max. duty cycle.....	UC3842N	<b>408-402</b>					
3842A	UNI	8	Enhanced Pulse width Modulation Controller, <0.5mA start-up current, 500kHz operation 17.5V start threshold, 100% max duty cycle.....	UC3842AD8	<b>SMD NEW 352-6999</b>					
3842A	MOT	14	Enhanced Current Mode PWM Controller.....	UC3842AD	<b>SMD 642-095</b>					

## UC384x(A) Family Features



Part Number	UC3842A	UC3843	UC3843A	UC3844	UC3844A	UC3845	UC3845A
Application	Off-line	DC-DC	DC-DC	Off-line	Off-line	DC-DC	DC-DC
Topology	Forward, Flyback, Buck, Boost	Forward, Flyback, Buck, Boost	Forward, Flyback, Buck, Boost	Forward, Flyback, Buck, Boost	Forward, Flyback, Buck, Boost	Forward, Flyback, Buck, Boost	Forward, Flyback, Buck, Boost
Voltage Reference Tolerance	1%	1%	1%	1%	1%	1%	1%
Peak Output Current	1A	1A	1A	1A	1A	1A	1A
Maximum Practical Operating Frequency	500kHz	500kHz	500kHz	500kHz	500kHz	500kHz	500kHz
Outputs	Single, Totem Pole	Single, Totem Pole	Single, Totem Pole	Single, Totem Pole	Single, Totem Pole	Single, Totem Pole	Single, Totem Pole
Startup Current	0.5mA	1mA	0.5mA	1mA	0.5mA	1mA	0.5mA
Leading Edge Blanking							
Soft Start							
Maximum Duty Cycle	100%	100%	100%	50%	50%	50%	50%

All products feature Pulse-by-Pulse Current Limiting and UVLO unless otherwise noted.

SEM154B

Mfr.	Pins	Description	Mfrs. List No.	Order Code	Price Each					
					1+	10+	100+	250+	500+	
3842A	UNI	8	Enhanced Current Mode PWM Controller (improved UC3842N).....	UC3842AN	<b>246-232</b>					
3842A	ON	8	Enhanced Current Mode PWM Controller (improved UC3842N).....	UC3842AN	<b>639-060</b>					
3843	UNI	8	Current Mode PWM Controller, 9.0V start threshold.....	UC3843D8	<b>SMD NEW 352-7001</b>					
3843	ST	14	Pulse Width Modulation Controller.....	UC3843D	<b>SMD 323-6390</b>					
3843	ST	8	Current Mode PWM Controller up to 500kHz operation, low start current, 9V start threshold, 100% max. duty cycle.....	UC3843N	<b>408-414</b>					
3843A	UNI	8	Enhanced Current Mode PWM Controller (improved UC3843D8).....	UC3843AD8	<b>SMD NEW 352-7013</b>					
3843A	ON	14	Enhanced Current Mode PWM Controller.....	UC3843AD	<b>SMD 642-101</b>					
3843A	UNI	8	Enhanced Current Mode PWM Controller (improved UC3843N).....	UC3843AN	<b>246-244</b>					
3843A	ON	8	Enhanced Current Mode PWM Controller (improved UC3843N).....	UC3843AN	<b>639-072</b>					
3844	ON	8	Enhanced Current Mode PWM Controller. Operating range 11.5V to 30V, 1A. (IND TEMP).....	UC3844BD1	<b>SMD 300-4570</b>					

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