

# LM2586SX-3.3/NOPB

### LM2586SX-3.3/NOPB Information



For Reference Only

Part Number	LM2586SX-3.3/NOPB	
Manufacturer	Texas Instruments	
Category	Integrated Circuits (ICs) PMIC - Voltage Regulators - DC DC Switching Regulators	
Description	IC REG MULT CONFIG 3.3V 3A TO263	
Package	TO-263-8, D2Pak (7 Leads + Tab), TO-263CA	
	For the pricing/inventory/lead time, please contact us Website: https://www.heisener.com E-mail: salesdept@heisener.com	



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# LM2586SX-3.3/NOPB Specifications

Manufacturer Part Number LM2586SX-3.3/NOPB   Manufacturer Texas Instruments   Category Integrated Circuits (ICs)   PMIC - Voltage Regulators - DC DC Switching Regulators PMIC - Voltage Regulators - DC DC Switching Regulators   Package TO-263-8, D2Pak (7 Leads + Tab), TO-263CA   Series SIMPLE SWITCHER?   Function Step-Up, Step-Up/Step-Down   Output Configuration Positive   Topology Boost, Flyback, Forward Converter   Output Type Fixed   Number of Outputs 1   Voltage - Input (Min) 4V   Voltage - Output (Min/Fixed) 3.3V   Voltage - Output (Min/Fixed) 3.4V   Voltage - Output (Min/Fixed) 3.4Switch)   Voltage - Output (Min/Fixed) 3.4Switch)   Voltage - Output (Min/Fixed) 3.4Switch)   Voltage - Output (Min/Fixed) 40°C ~ 125°C (TJ)   Mounting Type Surface Mount   Poreading Temperature 40°C ~ 125°C (TJ)   Mounting Type Surface Mount   Package / Case TO-263-8, D2Pak (7 Leads + Tab), TO-263CA   Supp		
CategoryIntegrated Circuits (ICs)PackagePMIC - Voltage Regulators - DC DC Switching RegulatorsPackageTO-263-8, D2Pak (7 Leads + Tab), TO-263CASeriesSIMPLE SWITCHER?FunctionStep-Up, Step-Up/Step-DownOutput ConfigurationPositiveTopologyBoost, Flyback, Forward ConverterOutput TypeFixedNumber of Outputs1Voltage - Input (Maix)4VVoltage - Input (Marx)3.3VVoltage - Output (Min/Fixed)3.3VVoltage - Output (Marx)10kHz ~ 200kHzFrequency - SwitchingNoOutput Type40°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / CaseDOPAK/TO-263-7	Manufacturer Part Number	LM2586SX-3.3/NOPB
PMIC - Voltage Regulators - DC DC Switching RegulatorsPackageTO-263-8, D2Pak (7 Leads + Tab), TO-263CASeriesSIMPLE SWITCHER?FunctionStep-Up, Step-Up/Step-DownOutput ConfigurationPositiveTopologyBoost, Flyback, Forward ConverterOutput TypeFixedNumber of Outputs1Voltage - Input (Min)4VVoltage - Output (Mar)3.3VVoltage - Output (Min/Fixed)3.3VVoltage - Output (Min/Fixed)3.4 (Switch)Current - Output3.4 (Switch)Frequency - Switching100kHz ~ 200kHzSynchronous RectifierNoOutput TypeSurface MountPrequency CaseSurface MountPackage / CaseTO-263-8, D2Pak (7 Leads + Tab), TO-263CASupplier Device PackageDDPAK/TO-263-7	Manufacturer	Texas Instruments
PackageTO-263-8, D2Pak (7 Leads + Tab), TO-263CASeriesSIMPLE SWITCHER?FunctionStep-Up, Step-Up/Step-DownOutput ConfigurationPositiveTopologyBoost, Flyback, Forward ConverterOutput TypeFixedNumber of Outputs1Voltage - Input (Min)4VVoltage - Input (Max)40VVoltage - Output (Min/Fixed)3.3VVoltage - Output (Max)-Current - Output3A (Switch)Frequency - Switching100kHz ~ 200kHzSynchronous RectifierNoOperating Temperature40°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / CaseTO-263-8, D2Pak (7 Leads + Tab), TO-263CASupplier Device PackageDDPAK/TO-263-7	Category	Integrated Circuits (ICs)
SeriesSIMPLE SWITCHER?FunctionStep-Up, Step-Up/Step-DownOutput ConfigurationPositiveTopologyBoost, Flyback, Forward ConverterOutput TypeFixedNumber of Outputs1Voltage - Input (Min)4VVoltage - Output (Min/Fixed)3.3VVoltage - Output (Max)-Current - Output3.4 (Switch)Frequency - SwitchingIOwHz ~ 200kHzSynchronous RectifierNoOperating TemperatureSurface MountPrekage / CaseTo-263-8, D2Pak (7 Leads + Tab), TO-263CASupplier Device PackageDDPAK/TO-263-7		PMIC - Voltage Regulators - DC DC Switching Regulators
FunctionKep-Up/Step-DownOutput ConfigurationPositiveTopologyBoost, Flyback, Forward ConverterOutput TypeFixedNumber of Outputs1Voltage - Input (Min)4VVoltage - Output (Min/Fixed)40VVoltage - Output (Min/Fixed)3.3VVoltage - Output (Max)-Current - Output3.4(Switch)Frequency - Switching100kHz ~ 200kHzSynchronous RectifierNoOutput Type-u°C ~ 125°C (TJ)Mounting TypeGuréa MountPackage / CaseTO-263*, D2Pak (7 Leads + Tab), TO-263CASupplier Device PackageDDPAK/TO-263-7	Package	TO-263-8, D2Pak (7 Leads + Tab), TO-263CA
And explore propresentOutput ConfigurationPositiveTopologyBoost, Flyback, Forward ConverterOutput TypeFixedNumber of Outputs1Voltage - Input (Min)4VVoltage - Input (Max)40VVoltage - Output (Min/Fixed)3.3VVoltage - Output (Max)-Current - Output3A (Switch)Frequency - Switching100kHz ~ 200kHzSynchronous RectifierNoOperating Temperature-40°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / CaseDDPAK/TO-263-7	Series	SIMPLE SWITCHER?
TopologyBoost, Flyback, Forward ConverterOutput TypeFixedNumber of Outputs1Voltage - Input (Min)4VVoltage - Input (Max)40VVoltage - Output (Min/Fixed)3.3VVoltage - Output (Max)-Current - Output3A (Switch)Frequency - Switching100kHz ~ 200kHzSynchronous RectifierNoOperating Temperature-40°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / CaseTO-263-8, D2Pak (7 Leads + Tab), TO-263CASupplier Device PackageDDPAK/TO-263-7	Function	Step-Up, Step-Up/Step-Down
Output TypeFixedNumber of Outputs1Voltage - Input (Min)4VVoltage - Input (Max)40VVoltage - Output (Min/Fixed)3.3VVoltage - Output (Max)-Current - Output3A (Switch)Frequency - Switching100kHz ~ 200kHzSynchronous RectifierNoOperating Temperature-40°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / CaseTO-263-8, D2Pak (7 Leads + Tab), TO-263CASupplier Device PackageDDPAK/TO-263-7	Output Configuration	Positive
Number of Outputs1Voltage - Input (Min)4VVoltage - Input (Max)40VVoltage - Output (Min/Fixed)3.3VVoltage - Output (Max)-Current - Output3A (Switch)Frequency - Switching100kHz ~ 200kHzSynchronous RectifierNoOperating Temperature-40°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / CaseTO-263-8, D2Pak (7 Leads + Tab), TO-263CASupplier Device PackageDDPAK/TO-263-7	Topology	Boost, Flyback, Forward Converter
Voltage - Input (Min) 4V   Voltage - Input (Max) 40V   Voltage - Output (Min/Fixed) 3.3V   Voltage - Output (Max) -   Current - Output 3A (Switch)   Frequency - Switching 100kHz ~ 200kHz   Synchronous Rectifier No   Operating Temperature -40°C ~ 125°C (TJ)   Mounting Type Surface Mount   Package / Case TO-263-8, D2Pak (7 Leads + Tab), TO-263CA   Supplier Device Package DDPAK/TO-263-7	Output Type	Fixed
Voltage - Input (Max)40VVoltage - Output (Min/Fixed)3.3VVoltage - Output (Max)-Current - Output3A (Switch)Frequency - Switching100kHz ~ 200kHzSynchronous RectifierNoOperating Temperature-40°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / CaseTO-263-8, D2Pak (7 Leads + Tab), TO-263CASupplier Device PackageDDPAK/TO-263-7	Number of Outputs	1
Voltage - Output (Min/Fixed)3.3VVoltage - Output (Max)-Current - Output3A (Switch)Frequency - Switching100kHz ~ 200kHzSynchronous RectifierNoOperating Temperature-40°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / CaseTO-263-8, D2Pak (7 Leads + Tab), TO-263CASupplier Device PackageDDPAK/TO-263-7	Voltage - Input (Min)	4V
Voltage - Output (Max)-Current - Output3A (Switch)Frequency - Switching100kHz ~ 200kHzSynchronous RectifierNoOperating Temperature-40°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / CaseTO-263-8, D2Pak (7 Leads + Tab), TO-263CASupplier Device PackageDDPAK/TO-263-7	Voltage - Input (Max)	40V
Current - Output3A (Switch)Frequency - Switching100kHz ~ 200kHzSynchronous RectifierNoOperating Temperature-40°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / CaseTO-263-8, D2Pak (7 Leads + Tab), TO-263CASupplier Device PackageDDPAK/TO-263-7	Voltage - Output (Min/Fixed)	3.3V
Frequency - Switching100kHz ~ 200kHzSynchronous RectifierNoOperating Temperature-40°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / CaseTO-263-8, D2Pak (7 Leads + Tab), TO-263CASupplier Device PackageDDPAK/TO-263-7	Voltage - Output (Max)	-
Synchronous RectifierNoOperating Temperature-40°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / CaseTO-263-8, D2Pak (7 Leads + Tab), TO-263CASupplier Device PackageDDPAK/TO-263-7	Current - Output	3A (Switch)
Operating Temperature-40°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / CaseTO-263-8, D2Pak (7 Leads + Tab), TO-263CASupplier Device PackageDDPAK/TO-263-7	Frequency - Switching	100kHz ~ 200kHz
Mounting TypeSurface MountPackage / CaseTO-263-8, D2Pak (7 Leads + Tab), TO-263CASupplier Device PackageDDPAK/TO-263-7	Synchronous Rectifier	No
Package / CaseTO-263-8, D2Pak (7 Leads + Tab), TO-263CASupplier Device PackageDDPAK/TO-263-7	Operating Temperature	-40°C ~ 125°C (TJ)
Supplier Device Package DDPAK/TO-263-7	Mounting Type	Surface Mount
	Package / Case	TO-263-8, D2Pak (7 Leads + Tab), TO-263CA
Report errors	Supplier Device Package	DDPAK/TO-263-7
		Report errors <sup>6</sup>

#### LM2586SX-3.3/NOPB Guarantees



**Quality Guarantees** 

We provide 90 days warranty. \* If the items you received were not in perfect quality, we would be responsible for your refund or replacement, but the items must be returned in their original condition.



#### **Service Guarantees**

We guarantee 100% customer satisfaction. Our experienced sales team and tech support team back our services to satisfy all our customers.

#### LM2586SX-3.3/NOPB Payment Methods



# LM2586SX-3.3/NOPB Shipping Methods



If you have any question about LM2586SX-3.3/NOPB, please do not hesitate to contact us! Website: https://www.heisener.com E-mail: salesdept@heisener.com