

MC33982BPNA

MC33982BPNA Information

Man Cate Desc	t Number nufacturer egory cription kage	MC33982BPNA NXP Integrated Circuits (ICs) PMIC - Power Distribution Switches, Load Drivers IC SWITCH HI SIDE SINGLE 16-PQFN 16-PowerDFN For the pricing/inventory/lead time, please contact us	
For Reference Only		Website: https://www.heisener.com E-mail: salesdept@heisener.com	Request a Quote

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MC33982BPNA Specifications

Manufacturer NXP Category Integrated Circuits (ICs) PMIC - Power Distribution Switches, Load Drivers PMIC - Power Distribution Switches, Load Drivers Package 16-Power Distribution Switches, Load Drivers Series - Switch Type General Purpose Number of Outputs 1 Attio - Input:Output 1:1 Output Configuration High Side Output Yope N-Channel Voltage - Load 6V ~ 27 V Voltage - Supply (Vcc/Vdd) 4.5 V ~ 5.5 V Current - Output (Max) - Ats On (Typ) 2 mOhm Input Type - Features Slew Rate Controlled, Watchdog Timer Features Jew Rate Controlled, Watchdog Timer Fult Protection Current Limiting (Fixed), Open Load Detect, Over Temperature, Over Voltage Operating Temperature -40°C ~ 150°C (TJ)	_	
CategoryIntegrated Circuits (ICs)PMIC - Power Distribution Switches, Load DriversPackage16-Power Distribution Switches, Load DriversSeries-Switch TypeGeneral PurposeNumber of Outputs1Ratio - Input:Output1:1Output ConfigurationHigh SideOutput TypeN-ChannelVoltage - Load6V ~ 27 VVoltage - Supply (Vcc/Vd)4.5 V ~ 5.5 VCurrent - Output (Max)-Rds On (Typ)2 mOhmInput Type-FeaturesSlew Rate Controlled, Watchdog TimerFault ProtectionCurrent Limiting (Fixed), Open Load Detect, Over Temperature, Over VoltageOperating Temperature6-0% cr 150°C (TJ)Package / Case16-PQEN (12x12)	Manufacturer Part Number	MC33982BPNA
PMIC - Power Distribution Switches, Load DriversPackage16-PowerDFNSeries-Switch TypeGeneral PurposeNumber of Outputs1Ratio - Input:Output1:1Output ConfigurationHigh SideOutput TypeN-ChannelNuffaceSPIVoltage - Load6 V ~ 27 VVoltage - Supply (Vcc/Vdd)4.5 V ~ 5.5 VCurrent - Output (Max)-Rds On (Typ)2 mOhmInput Type-FeaturesSlew Rate Controlled, Watchdog TimerFull ProtectionCurrent Limiting (Fixed), Open Load Detect, Over Temperature, Over VoltageOperating Temperature6-0verDFNPackage / Case16-POWERDENSupplier Device Package16-PQEFN (12x12)	Manufacturer	NXP
Package16-PowerDFNSeries-Switch TypeGeneral PurposeNumber of Outputs1Ratio - Input:Output1:1Output ConfigurationHigh SideOutput TypeN-ChannelInterfaceSPIVoltage - Load6 V ~ 27 VVoltage - Supply (Vcc/Vdd)4.5 V ~ 5.5 VCurrent - Output (Max)-FeaturesSlew Rate Controlled, Watchdog TimerFeaturesSlew Rate Controlled, Watchdog TimerFull Protection-40°C ~ 150°C (TJ)Package / Case16-POKPI (12x12)	Category	Integrated Circuits (ICs)
Series - Series General Purpose Switch Type General Purpose Number of Outputs 1 Ratio - Input:Output 1:1 Output Configuration High Side Output Type N-Channel Interface SPI Voltage - Load 6 V ~ 27 V Voltage - Supply (Vcc/Vdd) 4.5 V ~ 5.5 V Current - Output (Max) - Rato On (Typ) 2 mOhm Input Type - Features Slew Rate Controlled, Watchdog Timer Features Current Limiting (Fixed), Open Load Detect, Over Temperature, Over Voltage Operating Temperature -40°C ~ 150°C (TJ) Package / Case 16-POwerDFN Supplier Device Package 16-PQFN (12x12)		PMIC - Power Distribution Switches, Load Drivers
Switch TypeGeneral PurposeNumber of Outputs1Ratio - Input:Output1:1Output ConfigurationHigh SideOutput TypeN-ChannelInterfaceSPIVoltage - Load6 V ~ 27 VVoltage - Supply (Vcc/Vdd)4.5 V ~ 5.5 VCurrent - Output (Max)-Rds On (Typ)2 mOhmInput Type-FeaturesSlew Rate Controlled, Watchdog TimerFault ProtectionCurrent Limiting (Fixed), Open Load Detect, Over Temperature, Over VoltageOperating Temperature4-0°C ~ 150°C (TJ)Package / Case16-PQFN (12x12)	Package	16-PowerDFN
Number of Outputs1Ratio - Input:Output1:1Output ConfigurationHigh SideOutput TypeN-ChannelInterfaceSPIVoltage - Load $6 \vee 27 \vee$ Voltage - Supply (Vcc/Vdd) $4.5 \vee 5.5 \vee$ Current - Output (Max)-Rds On (Typ)2 mOhmInput Type-FeaturesSlew Rate Controlled, Watchdog TimerFault ProtectionCurrent Limiting (Fixed), Open Load Detect, Over Temperature, Over VoltageOperating Temperature16-PowerDFNSupplier Device Package16-PQFN (12x12)	Series	-
Ratio - Input:Output1:1Output ConfigurationHigh SideOutput TypeN-ChannelInterfaceSPIVoltage - Load6 V ~ 27 VVoltage - Supply (Vcc/Vdd)4.5 V ~ 5.5 VCurrent - Output (Max)-Rds On (Typ)2 mOhmInput Type-FeaturesSlew Rate Controlled, Watchdog TimerFault ProtectionCurrent Limiting (Fixed), Open Load Detect, Over Temperature, Over VoltageOperating Temperature-40°C ~ 150°C (TJ)Package / Case16-POWEDFNSupplier Device Package16-PQFN (12x12)	Switch Type	General Purpose
Output ConfigurationHigh SideOutput TypeN-ChannelInterfaceSPIVoltage - Load $6 V \sim 27 V$ Voltage - Supply (Vcc/Vdd) $4.5 V \sim 5.5 V$ Current - Output (Max)-Rds On (Typ)2 mOhmInput Type-FeaturesSlew Rate Controlled, Watchdog TimerFull Protection-40°C ~ 150°C (TJ)Operating Temperature-40°C ~ 150°C (TJ)Package / Case16-POwerDFNSupplier Device Package16-PQFN (12x12)	Number of Outputs	1
Output TypeN-ChannelInterfaceSPIVoltage - Load $6 V \sim 27 V$ Voltage - Supply (Vcc/Vdd) $4.5 V \sim 5.5 V$ Current - Output (Max)-Rds On (Typ)2 mOhmInput Type-FeaturesSlew Rate Controlled, Watchdog TimerFull ProtectionCurrent Limiting (Fixed), Open Load Detect, Over Temperature, Over VoltageOperating Temperature $40^\circ C \sim 150^\circ C$ (TJ)Package / Case16-POWERDENSupplier Device Package16-PQFN (12x12)	Ratio - Input:Output	1:1
InterfaceSPIVoltage - Load6 V ~ 27 VVoltage - Supply (Vcc/Vdd)4.5 V ~ 5.5 VCurrent - Output (Max)-Rds On (Typ)2 mOhmInput Type-FeaturesSlew Rate Controlled, Watchdog TimerFault ProtectionCurrent Limiting (Fixed), Open Load Detect, Over Temperature, Over VoltageOperating Temperature-40°C ~ 150°C (TJ)Package / Case16-POWErDFNSupplier Device Package16-PQFN (12x12)	Output Configuration	High Side
NotationAndVoltage - Load6 V ~ 27 VVoltage - Supply (Vcc/Vd)4.5 V ~ 5.5 VCurrent - Output (Max)-Rds On (Typ)2 mOhmInput Type-FeaturesSlew Rate Controlled, Watchdog TimerFault ProtectionCurrent Limiting (Fixed), Open Load Detect, Over Temperature, Over VoltageOperating Temperature-40°C ~ 150°C (TJ)Package / Case16-PowerDFNSupplier Device Package16-PQFN (12x12)	Output Type	N-Channel
Voltage - Supply (Vcc/Vdd)4.5 V ~ 5.5 VCurrent - Output (Max)-Rds On (Typ)2 mOhmInput Type-FeaturesSlew Rate Controlled, Watchdog TimerFault ProtectionCurrent Limiting (Fixed), Open Load Detect, Over Temperature, Over VoltageOperating Temperature-40°C ~ 150°C (TJ)Package / Case16-PowerDFNSupplier Device Package16-PQFN (12x12)	Interface	SPI
Current - Output (Max)-Rds On (Typ)2 mOhmInput Type-FeaturesSlew Rate Controlled, Watchdog TimerFault ProtectionCurrent Limiting (Fixed), Open Load Detect, Over Temperature, Over VoltageOperating Temperature-40°C ~ 150°C (TJ)Package / Case16-PowerDFNSupplier Device Package16-PQFN (12x12)	Voltage - Load	6 V ~ 27 V
Rds On (Typ)2 mOhmInput Type-FeaturesSlew Rate Controlled, Watchdog TimerFault ProtectionCurrent Limiting (Fixed), Open Load Detect, Over Temperature, Over VoltageOperating Temperature-40°C ~ 150°C (TJ)Package / Case16-PowerDFNSupplier Device Package16-PQFN (12x12)	Voltage - Supply (Vcc/Vdd)	4.5 V ~ 5.5 V
Input Type-FeaturesSlew Rate Controlled, Watchdog TimerFault ProtectionCurrent Limiting (Fixed), Open Load Detect, Over Temperature, Over VoltageOperating Temperature-40°C ~ 150°C (TJ)Package / Case16-PowerDFNSupplier Device Package16-PQFN (12x12)	Current - Output (Max)	-
FeaturesSlew Rate Controlled, Watchdog TimerFault ProtectionCurrent Limiting (Fixed), Open Load Detect, Over Temperature, Over VoltageOperating Temperature-40°C ~ 150°C (TJ)Package / Case16-PowerDFNSupplier Device Package16-PQFN (12x12)	Rds On (Typ)	2 mOhm
Fault ProtectionCurrent Limiting (Fixed), Open Load Detect, Over Temperature, Over VoltageOperating Temperature-40°C ~ 150°C (TJ)Package / Case16-PowerDFNSupplier Device Package16-PQFN (12x12)	Input Type	-
Operating Temperature-40°C ~ 150°C (TJ)Package / Case16-PowerDFNSupplier Device Package16-PQFN (12x12)	Features	Slew Rate Controlled, Watchdog Timer
Package / Case16-PowerDFNSupplier Device Package16-PQFN (12x12)	Fault Protection	Current Limiting (Fixed), Open Load Detect, Over Temperature, Over Voltage
Supplier Device Package 16-PQFN (12x12)	Operating Temperature	-40°C ~ 150°C (TJ)
	Package / Case	16-PowerDFN
Report errors?	Supplier Device Package	16-PQFN (12x12)
		Report errors?

MC33982BPNA 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.

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Service Guarantees

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

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