

# MCP19035-BAAAE/MF

#### MCP19035-BAAAE/MF Information



For Reference Only

Part NumberMCP19035-BAAAE/MFManufacturerMicrochip TechnologyCategoryIntegrated Circuits (ICs)

PMIC - Voltage Regulators - DC DC Switching

Controllers

**Description** IC REG CTRLR BUCK 10DFN

Package 10-VFDFN Exposed Pad

For the pricing/inventory/lead time, please contact

us

Website: https://www.heisener.com E-mail: salesdept@heisener.com



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### MCP19035-BAAAE/MF Specifications

Manufacturer Part Number Manufacturer Microchip Technology Category Integrated Circuits (ICs) PMIC - Voltage Regulators - DC DC Switching Controllers Package 10-VFDFN Exposed Pad Series - Output Type Transistor Driver Function Step-Down Output Configuration Positive Topology Buck Number of Outputs 1 Output Phases 1 Voltage - Supply (Vcc/Vdd) 4.5 V ~ 30 V Frequency - Switching Duty Cycle (Max) Synchronous Rectifier Clock Sync No Serial Interfaces - Control Features Enable, Phase Control, Power Good Operating Temperature Package / Case Supplier Device Package  Neport errors' Report errors' Report errors' Report errors' Report errors'		
Category         Integrated Circuits (ICs)           PMIC - Voltage Regulators - DC DC Switching Controllers           Package         10-VFDFN Exposed Pad           Series         -           Output Type         Transistor Driver           Function         Step-Down           Output Configuration         Positive           Topology         Buck           Number of Outputs         1           Output Phases         1           Voltage - Supply (Vcc/Vdd)         4.5 V ~ 30 V           Frequency - Switching         600kHz           Duty Cycle (Max)         85%           Synchronous Rectifier         Yes           Clock Sync         No           Serial Interfaces         -           Control Features         Enable, Phase Control, Power Good           Operating Temperature         -40°C ~ 125°C (TJ)           Package / Case         10-VFDFN Exposed Pad           Supplier Device Package         10-DFN (3x3)	Manufacturer Part Number	MCP19035-BAAAE/MF
PMIC - Voltage Regulators - DC DC Switching Controllers  Package 10-VFDFN Exposed Pad  Series - Output Type Transistor Driver  Function Step-Down Output Configuration Positive  Topology Buck  Number of Outputs 1 Output Phases 1 Voltage - Supply (Vcc/Vdd) 4.5 V ~ 30 V  Frequency - Switching 600kHz  Duty Cycle (Max) 85%  Synchronous Rectifier Yes Clock Sync No Serial Interfaces - Control Features Enable, Phase Control, Power Good Operating Temperature -40°C ~ 125°C (TJ)  Package / Case 10-VFDFN Exposed Pad Supplier Device Package 10-DFN (3x3)	Manufacturer	Microchip Technology
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Function Step-Down Output Configuration Positive  Topology Buck Number of Outputs 1 Output Phases 1 Voltage - Supply (Vcc/Vdd) 4.5 V ~ 30 V Frequency - Switching 600kHz Duty Cycle (Max) 85% Synchronous Rectifier Yes Clock Sync No Serial Interfaces - Control Features Enable, Phase Control, Power Good Operating Temperature -40°C ~ 125°C (TJ) Package / Case 10-VFDFN Exposed Pad Supplier Device Package 10-DFN (3x3)	Series	-
Output Configuration Positive  Topology Buck  Number of Outputs 1  Output Phases 1  Voltage - Supply (Vcc/Vdd) 4.5 V ~ 30 V  Frequency - Switching 600kHz  Duty Cycle (Max) 85%  Synchronous Rectifier Yes  Clock Sync No  Serial Interfaces -  Control Features Enable, Phase Control, Power Good  Operating Temperature -40°C ~ 125°C (TJ)  Package / Case 10-VFDFN Exposed Pad  Supplier Device Package 10-DFN (3x3)	Output Type	Transistor Driver
Topology  Buck  Number of Outputs  1  Output Phases  1  Voltage - Supply (Vcc/Vdd)  Frequency - Switching  600kHz  Duty Cycle (Max)  Synchronous Rectifier  Yes  Clock Sync  No  Serial Interfaces  -  Control Features  Deprating Temperature  -40°C ~ 125°C (TJ)  Package / Case  10-VFDFN Exposed Pad  Supplier Device Package  10-DFN (3x3)	Function	Step-Down
Number of Outputs  Output Phases  1  Voltage - Supply (Vcc/Vdd)  Frequency - Switching  Outp Cycle (Max)  Synchronous Rectifier  Clock Sync  Serial Interfaces  Control Features  Operating Temperature  Package / Case  Supplier Device Package  1  4.5 V ~ 30 V  4.5 V ~ 30 V  85%  No  Serious Hz  Enable Phase  Footrol Power Good  Operating Temperature  -40°C ~ 125°C (TJ)  Package / Case  10-DFN (3x3)	Output Configuration	Positive
Output Phases  1 Voltage - Supply (Vcc/Vdd) 4.5 V ~ 30 V  Frequency - Switching 600kHz  Duty Cycle (Max) 85%  Synchronous Rectifier Yes Clock Sync No Serial Interfaces - Control Features Enable, Phase Control, Power Good Operating Temperature -40°C ~ 125°C (TJ)  Package / Case 10-VFDFN Exposed Pad Supplier Device Package 10-DFN (3x3)	Topology	Buck
Voltage - Supply (Vcc/Vdd)  Frequency - Switching  600kHz  Duty Cycle (Max)  85%  Synchronous Rectifier  Yes  Clock Sync  No  Serial Interfaces  -  Control Features  Enable, Phase Control, Power Good  Operating Temperature  -40°C ~ 125°C (TJ)  Package / Case  10-VFDFN Exposed Pad  Supplier Device Package  10-DFN (3x3)	Number of Outputs	1
Frequency - Switching  Duty Cycle (Max)  85%  Synchronous Rectifier  Yes  Clock Sync  No  Serial Interfaces  -  Control Features  Enable, Phase Control, Power Good  Operating Temperature  -40°C ~ 125°C (TJ)  Package / Case  10-VFDFN Exposed Pad  Supplier Device Package  10-DFN (3x3)	Output Phases	1
Duty Cycle (Max)  Synchronous Rectifier  Yes  Clock Sync  No  Serial Interfaces  -  Control Features  Enable, Phase Control, Power Good  Operating Temperature  -40°C ~ 125°C (TJ)  Package / Case  10-VFDFN Exposed Pad  Supplier Device Package  10-DFN (3x3)	Voltage - Supply (Vcc/Vdd)	4.5 V ~ 30 V
Synchronous Rectifier  Clock Sync  No  Serial Interfaces  -  Control Features  Enable, Phase Control, Power Good  Operating Temperature  -40°C ~ 125°C (TJ)  Package / Case  10-VFDFN Exposed Pad  Supplier Device Package  10-DFN (3x3)	Frequency - Switching	600kHz
Clock Sync  Serial Interfaces  - Control Features  Enable, Phase Control, Power Good  Operating Temperature  -40°C ~ 125°C (TJ)  Package / Case  10-VFDFN Exposed Pad  Supplier Device Package  10-DFN (3x3)	Duty Cycle (Max)	85%
Serial Interfaces-Control FeaturesEnable, Phase Control, Power GoodOperating Temperature $-40^{\circ}\text{C} \sim 125^{\circ}\text{C}$ (TJ)Package / Case $10\text{-VFDFN}$ Exposed PadSupplier Device Package $10\text{-DFN}$ (3x3)	Synchronous Rectifier	Yes
Control Features  Enable, Phase Control, Power Good  Operating Temperature  -40°C ~ 125°C (TJ)  Package / Case  10-VFDFN Exposed Pad  Supplier Device Package  10-DFN (3x3)	Clock Sync	No
Operating Temperature -40°C ~ 125°C (TJ)  Package / Case 10-VFDFN Exposed Pad  Supplier Device Package 10-DFN (3x3)	Serial Interfaces	-
Package / Case 10-VFDFN Exposed Pad Supplier Device Package 10-DFN (3x3)	Control Features	Enable, Phase Control, Power Good
Supplier Device Package 10-DFN (3x3)	Operating Temperature	-40°C ~ 125°C (TJ)
	Package / Case	10-VFDFN Exposed Pad
Report errors'	Supplier Device Package	10-DFN (3x3)
		Report errors?

#### MCP19035-BAAAE/MF Guarantees



#### **Ouality 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.

### MCP19035-BAAAE/MF Payment Methods



















## MCP19035-BAAAE/MF Shipping Methods













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