



### LTC3862HUH-2 Information

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For Reference Only

Part Number LTC3862HUH-2

Manufacturer Linear Technology

Category Integrated Circuits (ICs)

PMIC - Voltage Regulators - DC DC Switching

Controllers

**Description**IC POWER MANAGEMENT**Package**24-WQFN 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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# LTC3862HUH-2 Specifications

| Manufacturer       Linear Technology         Category       Integrated Circuits (ICs)         Package       24-WQFN Exposed Pad         Series       -         Output Type       Transistor Driver         Function       Step-Up, Step-Up/Step-Down         Output Configuration       Positive         Topology       Boost, SEPIC         Number of Outputs       2         Output Phases       2         Voltage - Supply (Vcc/Vdd)       5.5 V ~ 36 V         Frequency - Switching       75kHz ~ 500kHz         Duty Cycle (Max)       96%         Synchronous Rectifier       No         Clock Syne       Yes         Serial Interfaces       -         Control Features       Enable, Frequency Control, Phase Control, Soft Start         Operating Temperature       -40°C ~ 150°C (TJ)         Package / Case       24-WQFN Exposed Pad         Supplier Device Package       24-QFN (5x5)   | 36 C . D . 37 1            | A TEGOR CONTINUES                                       |
|---|----------------------------|---|
| Category         Integrated Circuits (ICs)           PMIC - Voltage Regulators - DC DC Switching Controllers           Package         24-WQFN Exposed Pad           Series         -           Output Type         Transistor Driver           Function         Step-Up, Step-Up/Step-Down           Output Configuration         Positive           Topology         Boost, SEPIC           Number of Outputs         2           Output Phases         2           Voltage - Supply (Vcc/Vdd)         5.5 V ~ 36 V           Frequency - Switching         75kHz ~ 500kHz           Duty Cycle (Max)         96%           Synchronous Rectifier         No           Clock Sync         Yes           Serial Interfaces         -           Control Features         Enable, Frequency Control, Phase Control, Soft Start           Operating Temperature         -40°C ~ 150°C (TJ)           Package / Case         24-WQFN Exposed Pad | Manufacturer Part Number   | LTC3862HUH-2  |
| Package 24-WQFN Exposed Pad  Series - Output Type Transistor Driver Function Step-Up, Step-Up/Step-Down Output Configuration Positive Topology Boost, SEPIC Number of Outputs 2 Output Phases 2 Voltage - Supply (Vcc/Vdd) 5.5 V ~ 36 V Frequency - Switching 75kHz ~ 500kHz Duty Cycle (Max) 96% Synchronous Rectifier No Clock Sync Yes Serial Interfaces - Control Features Enable, Frequency Control, Phase Control, Soft Start Operating Temperature 4.0°C ~ 150°C (TJ) Package / Case 24-WQFN Exposed Pad   | Manufacturer               | Linear Technology                                       |
| Package24-WQFN Exposed PadSeries-Output TypeTransistor DriverFunctionStep-Up, Step-Up/Step-DownOutput ConfigurationPositiveTopologyBoost, SEPICNumber of Outputs2Output Phases2Voltage - Supply (Vcc/Vdd)5.5 V ~ 36 VFrequency - Switching75kHz ~ 500kHzDuty Cycle (Max)96%Synchronous RectifierNoClock SyncYesSerial Interfaces-Control FeaturesEnable, Frequency Control, Phase Control, Soft StartOperating Temperature-40°C ~ 150°C (TJ)Package / Case24-WQFN Exposed Pad   | Category                   | Integrated Circuits (ICs)                               |
| Series-Output TypeTransistor DriverFunctionStep-Up, Step-Up/Step-DownOutput ConfigurationPositiveTopologyBoost, SEPICNumber of Outputs2Output Phases2Voltage - Supply (Vcc/Vdd)5.5 V ~ 36 VFrequency - Switching75kHz ~ 500kHzDuty Cycle (Max)96%Synchronous RectifierNoClock SyncYesSerial Interfaces-Control FeaturesEnable, Frequency Control, Phase Control, Soft StartOperating Temperature-40°C ~ 150°C (TJ)Package / Case24-WQFN Exposed Pad   |                            | PMIC - Voltage Regulators - DC DC Switching Controllers |
| Output TypeTransistor DriverFunctionStep-Up, Step-Up/Step-DownOutput ConfigurationPositiveTopologyBoost, SEPICNumber of Outputs2Output Phases2Voltage - Supply (Vcc/Vdd)5.5 V ~ 36 VFrequency - Switching75kHz ~ 500kHzDuty Cycle (Max)96%Synchronous RectifierNoClock SyncYesSerial Interfaces-Control FeaturesEnable, Frequency Control, Phase Control, Soft StartOperating Temperature-40°C ~ 150°C (TJ)Package / Case24-WQFN Exposed Pad  | Package                    | 24-WQFN Exposed Pad                                     |
| FunctionStep-Up, Step-Up/Step-DownOutput ConfigurationPositiveTopologyBoost, SEPICNumber of Outputs2Output Phases2Voltage - Supply (Vcc/Vdd)5.5 V ~ 36 VFrequency - Switching75kHz ~ 500kHzDuty Cycle (Max)96%Synchronous RectifierNoClock SyncYesSerial Interfaces-Control FeaturesEnable, Frequency Control, Phase Control, Soft StartOperating Temperature-40°C ~ 150°C (TJ)Package / Case24-WQFN Exposed Pad  | Series                     | -   |
| Output Configuration Positive  Topology Boost, SEPIC  Number of Outputs 2  Output Phases 2  Voltage - Supply (Vcc/Vdd) 5.5 V ~ 36 V  Frequency - Switching 75kHz ~ 500kHz  Duty Cycle (Max) 96%  Synchronous Rectifier No  Clock Sync Yes  Serial Interfaces -  Control Features Enable, Frequency Control, Phase Control, Soft Start  Operating Temperature -40°C ~ 150°C (TJ)  Package / Case 24-WQFN Exposed Pad   | Output Type                | Transistor Driver                                       |
| Topology  Boost, SEPIC  Number of Outputs  2  Output Phases  2  Voltage - Supply (Vcc/Vdd)  Frequency - Switching  75kHz ~ 500kHz  Duty Cycle (Max)  Synchronous Rectifier  No  Clock Sync  Yes  Serial Interfaces  -  Control Features  Enable, Frequency Control, Phase Control, Soft Start  Operating Temperature  -40°C ~ 150°C (TJ)  Package / Case  24-WQFN Exposed Pad   | Function                   | Step-Up, Step-Up/Step-Down                              |
| Number of Outputs2Output Phases2Voltage - Supply (Vcc/Vdd)5.5 V ~ 36 VFrequency - Switching75kHz ~ 500kHzDuty Cycle (Max)96%Synchronous RectifierNoClock SyncYesSerial Interfaces-Control FeaturesEnable, Frequency Control, Phase Control, Soft StartOperating Temperature-40°C ~ 150°C (TJ)Package / Case24-WQFN Exposed Pad  | Output Configuration       | Positive  |
| Output Phases  2 Voltage - Supply (Vcc/Vdd)  5.5 V ~ 36 V  Frequency - Switching  75kHz ~ 500kHz  Duty Cycle (Max)  96%  Synchronous Rectifier  No Clock Sync  Yes  Serial Interfaces  - Control Features  Enable, Frequency Control, Phase Control, Soft Start  Operating Temperature  -40°C ~ 150°C (TJ)  Package / Case  24-WQFN Exposed Pad   | Topology                   | Boost, SEPIC  |
| Voltage - Supply (Vcc/Vdd)5.5 V ~ 36 VFrequency - Switching75kHz ~ 500kHzDuty Cycle (Max)96%Synchronous RectifierNoClock SyncYesSerial Interfaces-Control FeaturesEnable, Frequency Control, Phase Control, Soft StartOperating Temperature-40°C ~ 150°C (TJ)Package / Case24-WQFN Exposed Pad  | Number of Outputs          | 2   |
| Frequency - Switching 75kHz ~ 500kHz  Duty Cycle (Max) 96%  Synchronous Rectifier No  Clock Sync Yes  Serial Interfaces -  Control Features Enable, Frequency Control, Phase Control, Soft Start  Operating Temperature -40°C ~ 150°C (TJ)  Package / Case 24-WQFN Exposed Pad  | Output Phases              | 2   |
| Duty Cycle (Max)  Synchronous Rectifier  No  Clock Sync  Yes  Serial Interfaces  -  Control Features  Enable, Frequency Control, Phase Control, Soft Start  Operating Temperature  -40°C ~ 150°C (TJ)  Package / Case  24-WQFN Exposed Pad  | Voltage - Supply (Vcc/Vdd) | 5.5 V ~ 36 V  |
| Synchronous Rectifier  Clock Sync  Yes  Serial Interfaces  -  Control Features  Enable, Frequency Control, Phase Control, Soft Start  Operating Temperature  -40°C ~ 150°C (TJ)  Package / Case  24-WQFN Exposed Pad  | Frequency - Switching      | 75kHz ~ 500kHz  |
| Clock Sync Yes  Serial Interfaces -  Control Features Enable, Frequency Control, Phase Control, Soft Start  Operating Temperature -40°C ~ 150°C (TJ)  Package / Case 24-WQFN Exposed Pad  | Duty Cycle (Max)           | 96%   |
| Serial Interfaces - Control Features Enable, Frequency Control, Phase Control, Soft Start Operating Temperature -40°C ~ 150°C (TJ) Package / Case 24-WQFN Exposed Pad   | Synchronous Rectifier      | No  |
| Control Features Enable, Frequency Control, Phase Control, Soft Start  Operating Temperature -40°C ~ 150°C (TJ)  Package / Case 24-WQFN Exposed Pad   | Clock Sync                 | Yes   |
| Operating Temperature -40°C ~ 150°C (TJ)  Package / Case 24-WQFN Exposed Pad  | Serial Interfaces          | -   |
| Package / Case 24-WQFN Exposed Pad  | Control Features           | Enable, Frequency Control, Phase Control, Soft Start    |
|   | Operating Temperature      | -40°C ~ 150°C (TJ)                                      |
| Supplier Device Package 24-QFN (5x5)  | Package / Case             | 24-WQFN Exposed Pad                                     |
|   | Supplier Device Package    | 24-QFN (5x5)  |
| Report errors?  |                            | Report errors?  |

#### LTC3862HUH-2 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.

# LTC3862HUH-2 Payment Methods





















## LTC3862HUH-2 Shipping Methods













If you have any question about LTC3862HUH-2, please do not hesitate to contact us!

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