

# LTC3900MPS8#PBF

### LTC3900MPS8#PBF Information



For Reference Only

Part Number LTC3900MPS8#PBF

Manufacturer Linear Technology

Category Integrated Circuits (ICs)
PMIC - Gate Drivers

**Description** IC DRIVER RECT SYNC CONV 8SOIC

**Package** 8-SOIC (0.154", 3.90mm Width)

For the pricing/inventory/lead time, please contact

us

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



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## LTC3900MPS8#PBF Specifications

| Manufacturer Part Number         LTC3900MPS8#PBF           Manufacturer         Linear Technology           Category         Integrated Circuits (ICs)           PMIC - Gate Drivers           Package         8-SOIC (0.154", 3.90mm Width)           Series         -           Driven Configuration         Low-Side           Channel Type         Synchronous           Number of Drivers         2           Gate Type         N-Channel MOSFET           Voltage - Supply         4.5 V ~ 11 V           Logic Voltage - VIL, VIH         -           Current - Peak Output (Source, Sink)         2A, 2A           Input Type         Inverting, Non-Inverting           High Side Voltage - Max (Bootstrap)         -           Rise / Fall Time (Typ)         15ns, 15ns           Operating Temperature         -55°C ~ 150°C (TJ)           Mounting Type         Surface Mount           Package / Case         8-SOIC (0.154", 3.90mm Width)           Supplier Device Package         8-SO |                                      |                               |
|---|--------------------------------------|-------------------------------|
| Category Integrated Circuits (ICs) PMIC - Gate Drivers  Package 8-SOIC (0.154", 3.90mm Width) Series - Driven Configuration Low-Side Channel Type Synchronous  Number of Drivers 2 Gate Type N-Channel MOSFET  Voltage - Supply 4.5 V ~ 11 V  Logic Voltage - VIL, VIH - Current - Peak Output (Source, Sink) Input Type Inverting, Non-Inverting High Side Voltage - Max (Bootstrap) Rise / Fall Time (Typ) Operating Temperature  Mounting Type Surface Mount Package / Case 8-SOIC (0.154", 3.90mm Width) Supplier Device Package  | Manufacturer Part Number             | LTC3900MPS8#PBF               |
| Package 8-SOIC (0.154", 3.90mm Width)  Series - Channel Type Low-Side  Channel Type Synchronous  Number of Drivers 2  Gate Type N-Channel MOSFET  Voltage - Supply 4.5 V ~ 11 V  Logic Voltage - VIL, VIH - Current - Peak Output (Source, Sink) 1.0 Everting, Non-Inverting  High Side Voltage - Max (Bootstrap) - Rise / Fall Time (Typ) 15ns, 15ns  Operating Temperature -55°C ~ 150°C (TJ)  Mounting Type Surface Mount  Package / Case 8-SOIC (0.154", 3.90mm Width)  Supplier Device Package 8-SOIC (0.154", 3.90mm Width)   | Manufacturer                         | Linear Technology             |
| Package8-SOIC (0.154", 3.90mm Width)Series-Driven ConfigurationLow-SideChannel TypeSynchronousNumber of Drivers2Gate TypeN-Channel MOSFETVoltage - Supply4.5 V ~ 11 VLogic Voltage - VIL, VIH-Current - Peak Output (Source, Sink)2A, 2AInput TypeInverting, Non-InvertingHigh Side Voltage - Max (Bootstrap)-Rise / Fall Time (Typ)15ns, 15nsOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / Case8-SOIC (0.154", 3.90mm Width)Supplier Device Package8-SO   | Category                             | Integrated Circuits (ICs)     |
| Series-Driven ConfigurationLow-SideChannel TypeSynchronousNumber of Drivers2Gate TypeN-Channel MOSFETVoltage - Supply4.5 V ~ 11 VLogic Voltage - VIL, VIH-Current - Peak Output (Source, Sink)2A, 2AInput TypeInverting, Non-InvertingHigh Side Voltage - Max (Bootstrap)-Rise / Fall Time (Typ)15ns, 15nsOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / Case8-SOIC (0.154", 3.90mm Width)Supplier Device Package8-SO   |                                      | PMIC - Gate Drivers           |
| Driven ConfigurationLow-SideChannel TypeSynchronousNumber of Drivers2Gate TypeN-Channel MOSFETVoltage - Supply4.5 V ~ 11 VLogic Voltage - VIL, VIH-Current - Peak Output (Source, Sink)2A, 2AInput TypeInverting, Non-InvertingHigh Side Voltage - Max (Bootstrap)-Rise / Fall Time (Typ)15ns, 15nsOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / Case8-SOIC (0.154", 3.90mm Width)Supplier Device Package8-SO  | Package                              | 8-SOIC (0.154", 3.90mm Width) |
| Channel TypeSynchronousNumber of Drivers2Gate TypeN-Channel MOSFETVoltage - Supply4.5 V ~ 11 VLogic Voltage - VIL, VIH-Current - Peak Output (Source, Sink)2A, 2AInput TypeInverting, Non-InvertingHigh Side Voltage - Max (Bootstrap)-Rise / Fall Time (Typ)15ns, 15nsOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / Case8-SOIC (0.154", 3.90mm Width)Supplier Device Package8-SO  | Series                               | -                             |
| Number of Drivers  Gate Type  N-Channel MOSFET  Voltage - Supply  4.5 V ~ 11 V  Logic Voltage - VIL, VIH  - Current - Peak Output (Source, Sink)  Input Type  Inverting, Non-Inverting  High Side Voltage - Max (Bootstrap)  Rise / Fall Time (Typ)  Operating Temperature  -55°C ~ 150°C (TJ)  Mounting Type  Surface Mount  Package / Case  8-SOIC (0.154", 3.90mm Width)  Supplier Device Package  | Driven Configuration                 | Low-Side                      |
| Gate Type  N-Channel MOSFET  Voltage - Supply  4.5 V ~ 11 V  Logic Voltage - VIL, VIH  - Current - Peak Output (Source, Sink)  Input Type  Inverting, Non-Inverting  High Side Voltage - Max (Bootstrap)  - Rise / Fall Time (Typ)  15ns, 15ns  Operating Temperature  -55°C ~ 150°C (TJ)  Mounting Type  Surface Mount  Package / Case  8-SOIC (0.154", 3.90mm Width)  Supplier Device Package   | Channel Type                         | Synchronous                   |
| Voltage - Supply  Logic Voltage - VIL, VIH  Current - Peak Output (Source, Sink)  Input Type  Inverting, Non-Inverting  High Side Voltage - Max (Bootstrap)  Rise / Fall Time (Typ)  Operating Temperature  Operating Type  Surface Mount  Package / Case  8-SOIC (0.154", 3.90mm Width)  Supplier Device Package   | Number of Drivers                    | 2                             |
| Logic Voltage - VIL, VIH  Current - Peak Output (Source, Sink)  Input Type  Inverting, Non-Inverting  High Side Voltage - Max (Bootstrap)  Rise / Fall Time (Typ)  15ns, 15ns  Operating Temperature  -55°C ~ 150°C (TJ)  Mounting Type  Surface Mount  Package / Case  8-SOIC (0.154", 3.90mm Width)  Supplier Device Package  | Gate Type                            | N-Channel MOSFET              |
| Current - Peak Output (Source, Sink)  Input Type  Inverting, Non-Inverting  High Side Voltage - Max (Bootstrap)  Rise / Fall Time (Typ)  Operating Temperature  -55°C ~ 150°C (TJ)  Mounting Type  Surface Mount  Package / Case  8-SOIC (0.154", 3.90mm Width)  Supplier Device Package  | Voltage - Supply                     | 4.5 V ~ 11 V                  |
| Input Type  High Side Voltage - Max (Bootstrap)  Rise / Fall Time (Typ)  15ns, 15ns  Operating Temperature  -55°C ~ 150°C (TJ)  Mounting Type  Surface Mount  Package / Case  8-SOIC (0.154", 3.90mm Width)  Supplier Device Package  8-SO  | Logic Voltage - VIL, VIH             | -                             |
| High Side Voltage - Max (Bootstrap)  Rise / Fall Time (Typ)  15ns, 15ns  Operating Temperature  -55°C ~ 150°C (TJ)  Mounting Type  Surface Mount  Package / Case  8-SOIC (0.154", 3.90mm Width)  Supplier Device Package  8-SO  | Current - Peak Output (Source, Sink) | 2A, 2A                        |
| Rise / Fall Time (Typ)  15ns, 15ns  Operating Temperature  -55°C ~ 150°C (TJ)  Mounting Type  Surface Mount  Package / Case  8-SOIC (0.154", 3.90mm Width)  Supplier Device Package  8-SO   | Input Type                           | Inverting, Non-Inverting      |
| Operating Temperature  -55°C ~ 150°C (TJ)  Mounting Type  Surface Mount  Package / Case  8-SOIC (0.154", 3.90mm Width)  Supplier Device Package  8-SO   | High Side Voltage - Max (Bootstrap)  | -                             |
| Mounting Type Surface Mount Package / Case 8-SOIC (0.154", 3.90mm Width) Supplier Device Package 8-SO   | Rise / Fall Time (Typ)               | 15ns, 15ns                    |
| Package / Case 8-SOIC (0.154", 3.90mm Width) Supplier Device Package 8-SO   | Operating Temperature                | -55°C ~ 150°C (TJ)            |
| Supplier Device Package 8-SO  | Mounting Type                        | Surface Mount                 |
| 11  | Package / Case                       | 8-SOIC (0.154", 3.90mm Width) |
| Report errors?  | Supplier Device Package              | 8-SO                          |
|   |                                      | Report errors?                |

#### LTC3900MPS8#PBF 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.

### LTC3900MPS8#PBF Payment Methods



















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If you have any question about LTC3900MPS8#PBF, please do not hesitate to contact us!

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