

### **L6384 Information**



For Reference Only

Part Number L6384

Manufacturer STMicroelectronics

Category Integrated Circuits (ICs)
PMIC - Gate Drivers

**Description** IC DRVR HALF BRIDGE HV 8MINIDIP

**Package** 8-DIP (0.300", 7.62mm)

For the pricing/inventory/lead time, please contact

us

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# **Certified Quality**

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Manufacturer Part Number         L6384           Manufacturer         STMicroelectronics           Category         Integrated Circuits (ICs)           Package         8-DIP (0.300", 7.62mm)           Series         -           Driven Configuration         Half-Bridge           Channel Type         Synchronous           Number of Drivers         2           Gate Type         IGBT, N-Channel MOSFET           Voltage - Supply         14.6 V ~ 16.6 V           Logic Voltage - VIL, VIH         1.5V, 3.6V           Current - Peak Output (Source, Sink)         400mA, 650mA           Input Type         Inverting           High Side Voltage - Max (Bootstrap)         600V           Rise / Fall Time (Typ)         50ns, 30ns           Operating Temperature         -45°C ~ 125°C (TJ)           Mounting Type         Through Hole           Package / Case         8-DIP (0.300", 7.62mm)           Supplier Device Package         8-Mini DIP		
Category  Integrated Circuits (ICs)  PMIC - Gate Drivers  Package  8-DIP (0.300", 7.62mm)  Series  - Driven Configuration  Half-Bridge  Channel Type  Synchronous  Number of Drivers  2  Gate Type  IGBT, N-Channel MOSFET  Voltage - Supply  14.6 V ~ 16.6 V  Logic Voltage - VIL, VIH  1.5V, 3.6V  Current - Peak Output (Source, Sink)  Input Type  High Side Voltage - Max (Bootstrap)  Rise / Fall Time (Typ)  Operating Temperature  Mounting Type  Through Hole  Package / Case  8-DIP (0.300", 7.62mm)  Supplier Device Package	Manufacturer Part Number	L6384
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Driven Configuration  Channel Type  Synchronous  Number of Drivers  2  Gate Type  IGBT, N-Channel MOSFET  Voltage - Supply  14.6 V ~ 16.6 V  Logic Voltage - VIL, VIH  1.5V, 3.6V  Current - Peak Output (Source, Sink)  Input Type  Inverting  High Side Voltage - Max (Bootstrap)  Rise / Fall Time (Typ)  Operating Temperature  -45°C ~ 125°C (TJ)  Mounting Type  Through Hole  Package / Case  8-DIP (0.300", 7.62mm)  Supplier Device Package	Package	8-DIP (0.300", 7.62mm)
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Number of Drivers2Gate TypeIGBT, N-Channel MOSFETVoltage - Supply14.6 V ~ 16.6 VLogic Voltage - VIL, VIH1.5V, 3.6VCurrent - Peak Output (Source, Sink)400mA, 650mAInput TypeInvertingHigh Side Voltage - Max (Bootstrap)600VRise / Fall Time (Typ)50ns, 30nsOperating Temperature-45°C ~ 125°C (TJ)Mounting TypeThrough HolePackage / Case8-DIP (0.300", 7.62mm)Supplier Device Package8-Mini DIP	Driven Configuration	Half-Bridge
Gate Type  Voltage - Supply  14.6 V ~ 16.6 V  Logic Voltage - VIL, VIH  1.5V, 3.6V  Current - Peak Output (Source, Sink)  Input Type  Inverting  High Side Voltage - Max (Bootstrap)  Rise / Fall Time (Typ)  Operating Temperature  -45°C ~ 125°C (TJ)  Mounting Type  Through Hole  Package / Case  8-DIP (0.300", 7.62mm)  Supplier Device Package	Channel Type	Synchronous
Voltage - Supply14.6 V ~ 16.6 VLogic Voltage - VIL, VIH1.5V, 3.6VCurrent - Peak Output (Source, Sink)400mA, 650mAInput TypeInvertingHigh Side Voltage - Max (Bootstrap)600VRise / Fall Time (Typ)50ns, 30nsOperating Temperature-45°C ~ 125°C (TJ)Mounting TypeThrough HolePackage / Case8-DIP (0.300", 7.62mm)Supplier Device Package8-Mini DIP	Number of Drivers	2
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Input Type  High Side Voltage - Max (Bootstrap)  Rise / Fall Time (Typ)  Operating Temperature  -45°C ~ 125°C (TJ)  Mounting Type  Through Hole  Package / Case  8-DIP (0.300", 7.62mm)  Supplier Device Package	Logic Voltage - VIL, VIH	1.5V, 3.6V
High Side Voltage - Max (Bootstrap)  Rise / Fall Time (Typ)  50ns, 30ns  Operating Temperature  -45°C ~ 125°C (TJ)  Mounting Type  Through Hole  Package / Case  8-DIP (0.300", 7.62mm)  Supplier Device Package  8-Mini DIP	Current - Peak Output (Source, Sink)	400mA, 650mA
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Operating Temperature  -45°C ~ 125°C (TJ)  Mounting Type  Through Hole  Package / Case  8-DIP (0.300", 7.62mm)  Supplier Device Package  8-Mini DIP	High Side Voltage - Max (Bootstrap)	600V
Mounting Type Through Hole Package / Case 8-DIP (0.300", 7.62mm) Supplier Device Package 8-Mini DIP	Rise / Fall Time (Typ)	50ns, 30ns
Package / Case 8-DIP (0.300", 7.62mm) Supplier Device Package 8-Mini DIP	Operating Temperature	-45°C ~ 125°C (TJ)
Supplier Device Package 8-Mini DIP	Mounting Type	Through Hole
	Package / Case	8-DIP (0.300", 7.62mm)
Report errors?	Supplier Device Package	8-Mini DIP
		Report errors?

### L6384 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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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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