

## STM32F415VGT6



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IC MCU 32BIT 1MB FLASH 100LQFP

Lead free / RoHS Compliant

Integrated Circuits (ICs)

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## Specifications

<b>Voltage - Supply (Vcc/Vdd):</b>	1.8 V ~ 3.6 V
<b>Supplier Device Package:</b>	100-LQFP (14x14)
<b>Speed:</b>	168MHz
<b>Series:</b>	STM32 F4
<b>RAM Size:</b>	192K x 8
<b>Program Memory Type:</b>	FLASH
<b>Program Memory Size:</b>	1MB (1M x 8)
<b>Peripherals:</b>	Brown-out Detect/Reset, DMA, I <sup>2</sup> S, LCD, POR, PWM, WDT
<b>Packaging:</b>	Tray
<b>Package / Case:</b>	100-LQFP
<b>Oscillator Type:</b>	Internal
<b>Operating Temperature:</b>	-40°C ~ 85°C (TA)
<b>Number of I/O:</b>	82
<b>EEPROM Size:</b>	-
<b>Data Converters:</b>	A/D 16x12b, D/A 2x12b
<b>Core Size:</b>	32-Bit
<b>Core Processor:</b>	ARM® Cortex®-M4
<b>Connectivity:</b>	CAN, EBI/EMI, I <sup>2</sup> C, IrDA, LIN, SPI, UART/USART, USB OTG

## Related products



**STM32F413ZHJ6**

IC MCU 32BIT 1.5MB FLASH 144BGA  
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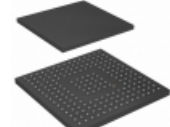
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**STM32F415VGT6TR**

IC MCU 32BIT 1MB FLASH 100LQFP  
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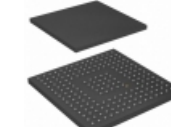
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**STM32F417IEH6**

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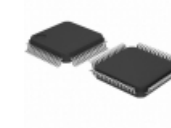
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**STM32F417IET6**

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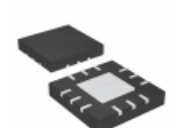
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**LM4050QCIM3-2.5/NOPB**

IC VREF SHUNT 2.5V SOT23-3  
[Texas Instruments](#)

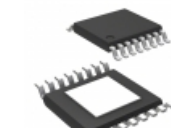
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**MAX16992ATCF/V+T**

IC REG CTRLR BOOST/SEPIC 12TQFN  
[Maxim Integrated](#)

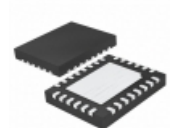
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**LTC3812EFE-5#TRPBF**

IC REG CTRLR BUCK 16TSSOP  
[Linear Technology](#)

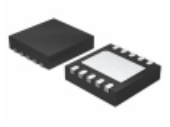
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**LTC3858EUFDF-1#TRPBF**

IC REG CTRLR BUCK 28QFN  
[Linear Technology](#)

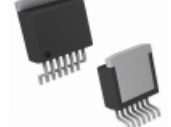
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**LT1618EDD#PBF**

IC REG MULT CONFIG ADJ 1.5A 10DFN  
[Linear Technology](#)

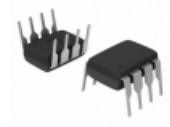
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**LM2673S-5.0**

IC REG BUCK 5V 3A TO263-7  
[Texas Instruments](#)

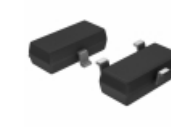
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**MAX882CPA+**

IC REG LDO 3.3V/ADJ 0.2A 8DIP  
[Maxim Integrated](#)

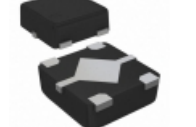
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**MCP1700T-2902E/TT**

IC REG LDO 2.9V 0.25A SOT23-3  
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**S-13R1D17-A4T2U3**

IC REG LINEAR 1.7V 0.15A HSNT-4  
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