



Image may be representation.
See specifications for product details.



MCP23S17T-E/SS

Manufacturer Part Number	MCP23S17T-E/SS
Manufacturer	Microchip Technology
Allelco Part Number	32D-MCP23S17T-E/SS
ECAD Model	PCB Symbol, Footprint & 3D Model
Parts Description	IC XPNDR 10MHZ SPI 28SSOP
Package	28-SSOP (0.209", 5.30mm Width)
Data sheet	MCP23017, MCP23S17 Datasheet.pdf
RoHs Status	ROHS3 Compliant

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MCP23S17T-E/SS - Microchip Technology. New Original in Stock. Download Linear Technology MCP23S17T-E/SS datasheet/specifications on AllelcoElec.com. Request a quote for MCP23S17T-E/SS, please send us email: info@allelco.com

Specifications

MCP23S17T-E/SS Tech Specifications

MCP23S17T-E/SS - Microchip Technology technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	Microchip Technology	Number of I/O	16
Voltage - Supply	1.8V ~ 5.5V	Mounting Type	Surface Mount
Supplier Device Package	28-SSOP	Interrupt Output	Yes
Series	-	Interface	SPI
Package / Case	28-SSOP (0.209", 5.30mm Width)	Features	-
Package	Tape & Reel (TR)	Current - Output Source/Sink	25mA
Output Type	Push-Pull	Clock Frequency	10 MHz
Operating Temperature	-40°C ~ 125°C	Base Product Number	MCP23S17

Parts with Similar Specifications

The three parts on the right have similar specifications to Microchip Technology MCP23S17T-E/SS

Product Attribute				
Part Number	MCP23S17T-E/SS	MCP23S17-E/SO	MCP23S09-E/MG	MCP23S08T-E/SS
Manufacturer	Microchip Technology	Microchip Technology	Microchip Technology	Microchip Technology
Interface	SPI	SPI	SPI	SPI
Features	-	POR	-	POR
Output Type	Push-Pull	Push-Pull	Open Drain	Push-Pull
Base Product Number	MCP23S17	MCP23S17	MCP23S09	MCP23S08
Interrupt Output	Yes	Yes	Yes	Yes
Clock Frequency	10 MHz	10 MHz	10 MHz	10 MHz
Series	-	-	-	-
Operating Temperature	-40°C ~ 125°C	-40°C ~ 125°C	-40°C ~ 125°C	-40°C ~ 125°C
Supplier Device Package	28-SSOP	28-SOIC	16-QFN (3x3)	20-SSOP
Number of I/O	16	16	8	8
Package	Tape & Reel (TR)	Tube	Tube	Tape & Reel (TR)
Package / Case	28-SSOP (0.209", 5.30mm Width)	28-SOIC (0.295", 7.50mm Width)	16-VFQFN Exposed Pad	20-SSOP (0.209", 5.30mm Width)
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Voltage - Supply	1.8V ~ 5.5V	1.8V ~ 5.5V	1.8V ~ 5.5V	1.8V ~ 5.5V
Current - Output Source/Sink	25mA	25mA	25mA	25mA

MCP23S17T-E/SS Datasheet PDF

Download MCP23S17T-E/SS pdf datasheets and Microchip Technology documentation for MCP23S17T-E/SS - Microchip Technology.

Datasheets

[MCP23017, MCP23S17 Datasheet.pdf](#)

PCN Packaging

[Label and Packing Changes 23/Sep/2015.pdf](#)

[Packing Changes 10/Oct/2016.pdf](#)

Other Related Documents

[Development Tools Catalog.pdf](#)

PCN Assembly/Origin

[Mult Devices 17/Nov/2017.pdf](#)


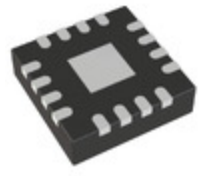

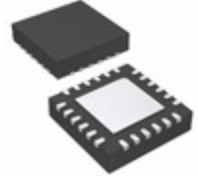





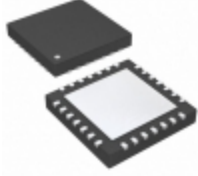
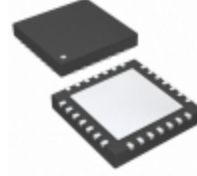







PCN Design/Specification

[MCP23017/MCP23S17 01/Jul/2022.pdf](#)

[MCP23017/MCP23S17 07/Jul/2016.pdf](#)

Customers Also Interested in

Recommended Products

					
MCP23S17-E/SO Microchip Technology IC XPNDR 10MHZ SPI 28SOIC	MCP23S09-E/MG Microchip Technology IC XPNDR 10MHZ SPI 16QFN	MCP23S08T-E/SS Microchip Technology IC XPNDR 10MHZ SPI 20SSOP	MCP23S18T-E/MJ Microchip Technology IC XPNDR 10MHZ SPI 24QFN	MCP23S18-E/SO Microchip Technology IC XPNDR 10MHZ SPI 28SOIC	MCP23S17-E/SP Microchip Technology IC XPNDR 10MHZ SPI 28SDIP
					
MCP23S17T-E/SO Microchip Technology IC XPNDR 10MHZ SPI 28SOIC	MCP23S18T-E/SO Microchip Technology IC XPNDR 10MHZ SPI 28SOIC	MCP25050-E/SL Microchip Technology IC XPNDR 25MHZ CAN V2.0B 14SOIC	MCP23S17-E/ML Microchip Technology IC XPNDR 10MHZ SPI 28QFN	MCP23S17T-E/ML Microchip Technology IC XPNDR 10MHZ SPI 28QFN	MCP25025-I/SL Microchip Technology IC XPNDR 4MHZ CAN 14SOIC
					
MCP23S17-I/SS Micrel / Microchip Technology	MCP23S08T-E/SO Microchip Technology IC XPNDR 10MHZ SPI 18SOIC	MCP23S18-E/SP Microchip Technology IC XPNDR 10MHZ SPI 28SDIP	MCP23S17-E/SS Microchip Technology IC XPNDR 10MHZ SPI 28SSOP	MCP25050-I/SL Microchip Technology IC XPNDR 25MHZ CAN V2.0B 14SOIC	MCP25020-I/SL Microchip Technology IC XPNDR 25MHZ CAN V2.0B 14SOIC

Shipment

Delivery Time

In-stock items can be shipped within 24 hours. Some parts will be arranged for delivery within 1-2 days from the date all items arrive at our warehouse. And Allelco ships order once a day at about 17:00, except Sunday. Once the goods are shipped, the estimated delivery time depends on the shipping methods and Delivery destination. The table below shows are the logistic time for some common countries.

Delivery Cost

- > Use your express account for shipment if you have one.
 - > Use our account for the shipment. Refer to the table below for the approximate charges.
- (Different time frame / countries / package size has different price.)

Delivery Method

- > Global Common Shipment by DHL / UPS / FedEx / TNT / EMS / SF we support.
- > Others more shipping ways, please get in touch with your customer manager.

Common Countries Logistic Time Reference		
Region	Country	Logistic Time(Day)
America	United States	5
	Brazil	7
Europe	Germany	5
	United Kingdom	4
	Italy	5
Oceania	Australia	6
	New Zealand	7
Asia	India	6
	Japan	7
Middle East	Israel	6

DHL & FedEx Shipment Charges Reference	
Shipment charges(KG)	Reference DHL(USD\$)
0.00kg-1.00kg	USD\$60.00
1.00kg-2.00kg	USD\$70.00
2.00kg-3.00kg	USD\$80.00




Note: The above table is for reference only. There may have some data bias for the uncontrollable factors. Contact us if you have any questions.

Payment Support



The payment method can be chosen from the methods shown below:
Wire Transfer (T/T, Bank Transfer), Western Union, Credit card, PayPal.



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-  Efficient Supply Management
-  Cost-Saving Procurement
-  Fast Sourcing & Delivery

Contact us if you have any questions.

-  Phone
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-  Email
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Certifications & Memberships



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