



Image may be representation.  
See specifications for product details.

## UPD78F0501AMC-CAB-AX

Manufacturer Part Number	<b>UPD78F0501AMC-CAB-AX</b>
Manufacturer	<b>Renesas Electronics Corporation</b>
Allelco Part Number	32D-UPD78F0501AMC-CAB-AX
ECAD Model	PCB Symbol, Footprint & 3D Model
Parts Description	IC MCU 8BIT 16KB FLASH 30LSSOP
Package	30-LSSOP (0.240", 6.10mm Width)
Data sheet	UPD78F0501AMC-CAB-AX.pdf
RoHs Status	<b>ROHS3 Compliant</b>

**Get a Quote**



UPD78F0501AMC-CAB-AX - Renesas Electronics America Inc. New Original in Stock. Download Linear Technology UPD78F0501AMC-CAB-AX datasheet/specifications on AllelcoElec.com.  
Request a quote for UPD78F0501AMC-CAB-AX, please send us email: [info@allelco.com](mailto:info@allelco.com)

### Specifications

UPD78F0501AMC-CAB-AX Tech Specifications

UPD78F0501AMC-CAB-AX - Renesas Electronics America Inc technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	Renesas Electronics Corporation	Oscillator Type	Internal
Voltage - Supply (Vcc/Vdd)	1.8V ~ 5.5V	Operating Temperature	-40°C ~ 85°C (TA)
Supplier Device Package	30-LSSOP	Number of I/O	23
Speed	20MHz	Mounting Type	Surface Mount
Series	78K0/Kx2	EEPROM Size	-
RAM Size	768 x 8	Data Converters	A/D 4x10b
Program Memory Type	FLASH	Core Size	8-Bit
Program Memory Size	16KB (16K x 8)	Core Processor	78K/0
Peripherals	LVD, POR, PWM, WDT	Connectivity	3-Wire SIO, I <sup>2</sup> C, LINbus, UART/USART
Package / Case	30-LSSOP (0.240", 6.10mm Width)	Base Product Number	UPD78F0501
Package	Tray		

### Parts with Similar Specifications

The three parts on the right have similar specifications to Renesas Electronics America Inc UPD78F0501AMC-CAB-AX

Product Attribute				
Part Number	UPD78F0501AMC-CAB-AX	UPD78F0500MC-5A4-A	UPD78F0500MCA2-CAB-G	UPD78F0501AMC-CAB-E2-AX
Manufacturer	Renesas Electronics America Inc	Renesas Electronics America Inc	Renesas Electronics America Inc	Renesas Electronics America Inc
Package / Case	30-LSSOP (0.240", 6.10mm Width)	30-LSSOP (0.240", 6.10mm Width)	30-LSSOP (0.240", 6.10mm Width)	30-LSSOP (0.240", 6.10mm Width)
Base Product Number	UPD78F0501	UPD78F0500	UPD78F0500	UPD78F0501
Core Processor	78K/0	78K/0	78K/0	78K/0
Peripherals	LVD, POR, PWM, WDT	LVD, POR, PWM, WDT	LVD, POR, PWM, WDT	LVD, POR, PWM, WDT
Supplier Device Package	30-LSSOP	30-LSSOP	30-LSSOP	30-LSSOP
RAM Size	768 x 8	512 x 8	512 x 8	768 x 8
Core Size	8-Bit	8-Bit	8-Bit	8-Bit
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Data Converters	A/D 4x10b	A/D 4x10b	A/D 4x10b SAR	A/D 4x10b SAR
Program Memory Type	FLASH	FLASH	FLASH	FLASH
Series	78K0/Kx2	78K0/Kx2	78K0/Kx2	78K0/Kx2
Oscillator Type	Internal	Internal	External, Internal	External, Internal
Operating Temperature	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 125°C (TA)	-40°C ~ 85°C (TA)
Connectivity	3-Wire SIO, I <sup>2</sup> C, LINbus, UART/USART	3-Wire SIO, I <sup>2</sup> C, LINbus, UART/USART	3-Wire SIO, I <sup>2</sup> C, LINbus, UART/USART	3-Wire SIO, I <sup>2</sup> C, LINbus, UART/USART
Package	Tray	Tray	Bulk	Bulk
EEPROM Size	-	-	-	-
Number of I/O	23	23	23	23
Program Memory Size	16KB (16K x 8)	8KB (8K x 8)	8KB (8K x 8)	16KB (16K x 8)
Voltage - Supply (Vcc/Vdd)	1.8V ~ 5.5V	1.8V ~ 5.5V	1.8V ~ 5.5V	1.8V ~ 5.5V
Speed	20MHz	20MHz	20MHz	20MHz

### UPD78F0501AMC-CAB-AX Datasheet PDF

Download UPD78F0501AMC-CAB-AX pdf datasheets and Renesas Electronics America Inc documentation for UPD78F0501AMC-CAB-AX - Renesas Electronics America Inc.

#### PCN Packaging

Label Change-All Devices 01/Dec/2022.pdf

Full CartonParts 30/Nov/2022.pdf

### Customers Also Interested in

#### Recommended Products

<b>UPD78F0501AMC</b> NEC	<b>UPD78F0501MC</b> NEC	<b>UPD78F0500MC-5A4-A</b> Renesas Electronics America Inc IC MCU 8BIT 8KB FLASH 30SSOP	<b>UPD78F0501AMCA-CAB-R</b> Renesas Electronics Corporation	<b>UPD78F0501AMC-CAB-AX/JM</b> Renesas Electronics Corporation	<b>UPD78F0500MC</b> Renesas Electronics Corporation
<b>UPD78F0501AMCA-CAB-R-G/JM</b> NEC	<b>UPD78F0501A</b> NEC	<b>UPD78F0500AMCA-CAB-E1-G</b> Renesas Electronics Corporation	<b>UPD78F0500AMCA2-CAB-G</b> Renesas Electronics America Inc IC MCU 8BIT 8KB FLASH 30LSSOP	<b>UPD78F0501MC(A)-CAB</b> NEC	<b>UPD78F0501AMCA-CAB-R-G</b> Renesas Electronics Corporation
<b>UPD78F0501AMCA2-CAB-G</b> Renesas Electronics Corporation	<b>UPD78F0501AMC-CAB-E2-AX</b> Renesas Electronics America Inc IC MCU 8BIT 16KB FLASH 30LSSOP	<b>UPD78F0501FC</b> NEC	<b>UPD78F0500AMCA2-CAB-G</b> Renesas Electronics America Inc IC MCU 8BIT 8KB FLASH 30LSSOP	<b>UPD78F0500AMC-602-CAB-E2</b> NEC	<b>UPD78F0501AFC-AA3</b> NEC

## 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.

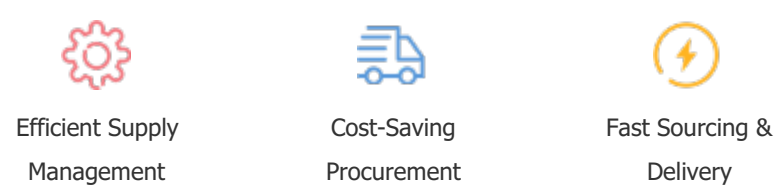
Contact us if you have any questions.

## Payment Support

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



## Your Faithful Supply Chain Partner -



Contact us if you have any questions.



## Certifications & Memberships



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