

**Product Change Notification: CENO-05FVJZ634**

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**Date:**

08-Jan-2025

**Product Category:**

16-Bit - Microcontrollers And Digital Signal Controllers, 32-Bit Microcontrollers, 8-Bit Microcontrollers, Smart Energy SOC

**Notification Subject:**

CCB 7084 Final Notice: Qualification of new stamped lead frame with inner lead tape and non-brown oxide treatment (non-BOT) for selected products available in 100L and 64L TQFP (14x14x1mm) packages at MMT assembly site.

**Affected CPNs:**

**[CENO-05FVJZ634\\_Affected\\_CPN\\_01082025.pdf](#)**  
**[CENO-05FVJZ634\\_Affected\\_CPN\\_01082025.csv](#)**

**Notification Text:****PCN Status:**Final Notification**PCN Type:**Manufacturing Change**Microchip Parts Affected:**Please open one of the files found in the Affected CPNs section.  
Note: For your convenience Microchip includes identical files in two formats (.pdf and .xls)**Description of Change:**Qualification of new stamped lead frame with inner lead tape and non-brown oxide treatment (non-BOT) for selected products available in 100L and 64L TQFP (14x14x1mm) packages at MMT assembly site.**Pre and Post Change Summary:***For 64L TQFP (14x14x1mm)*

	Pre Change	Post Change

Assembly Site	Microchip Technology Thailand (MMT)	Microchip Technology Thailand (MMT)
Wire Material	Au	Au
Die Attach Material	3280	3280
Molding Compound Material	G700HA	G700HA
Lead-Frame Material	C7025	C7025
Lead-Frame Treatment	BOT	None

*For 100L TQFP (14x14x1mm)*

	Pre Change		Post Change	
Assembly Site	Microchip Technology Thailand (MMT)		Microchip Technology Thailand (MMT)	
Wire Material	Au	CuPdAu	Au	CuPdAu
Die Attach Material	3280		3280	
Molding Compound Material	G700HA		G700HA	
Lead-Frame Material	C7025		C7025	
Lead-Frame Paddle Size	280x280 mils	240x240 mils	280x280 mils	240x240 mils
Lead-Frame Treatment	BOT		None	

**Impacts to Data Sheet:**None

**Change Impact:**None

**Reason for Change:**To improve productivity by qualifying new stamped lead frame with inner lead tape and non-brown oxide treatment (non-BOT).

**Change Implementation Status:**In Progress

**Estimated First Ship Date:**December 23, 2024 (date code: 2452)

Note: Please be advised that after the estimated first ship date customers may receive pre and post change parts.

**Time Table Summary:**

	August 2024					>	November 2024					December 2024				
Workweek	31	32	33	34	35		44	45	46	47	48	49	50	51	52	53
Initial PCN Issue Date		X														
Qual Report Availability										X						
Final PCN Issue Date										X						
Estimated Implementation Date															X	

**Method to Identify Change:**Traceability code

**Qualification Report:**Please open the attachments included with this PCN labeled as PCN\_#\_Qual\_Report.

**Revision History:**August 9, 2024: Issued initial notification.

November 20, 2024: Issued final notification. Attached the Qualification Report. Provided estimated first ship date to be on December 23, 2024.

January 8, 2025: Re-issued to correct the pre and post table note from "66L" to "64L". Removed EOL CPNs PIC32MZ1024ECM100T-I/PF and PIC32MZ1024ECM100-I/PF from affected CPN list.

The change described in this PCN does not alter Microchip's current regulatory compliance regarding the material content of the applicable products.

## Attachments:

**[PCN\\_CENO-05FVJZ634\\_Pre and Post Change\\_Summary.pdf](#)**  
**[PCN\\_CENO-05FVJZ634\\_Qualification Report.pdf](#)**

Please contact your local **Microchip sales office** with questions or concerns regarding this notification.

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If you wish to change your PCN profile, including opt out, please go to the **PCN home page** select login and sign into your myMicrochip account. Select a profile option from the left navigation bar and make the applicable selections.

Affected Catalog Part Numbers (CPN)

ATMEGA329P-20ANR  
ATXMEGA64A3U-AU  
ATMEGA128L-8AU  
ATMEGA128A-AU  
ATMEGA128-16AU  
ATXMEGA64A3U-AUR  
ATXMEGA192D3-AUR  
ATXMEGA256D3-AUR  
ATXMEGA256C3-AUR  
ATXMEGA192D3-AURA1  
ATMEGA165P-16AU  
ATMEGA165PV-8AU  
ATMEGA165PV-8AN  
ATMEGA165PV-8ANR  
ATMEGA165P-16AUR  
ATMEGA128-16AN  
ATMEGA329PA-AU  
ATMEGA325A-AU  
ATMEGA325PA-AU  
ATXMEGA256D3-AURA3  
ATXMEGA256C3-AURA0  
ATXMEGA192C3-AUR  
ATXMEGA128C3-AU  
ATXMEGA128D3-AUA1  
ATXMEGA128D3-AU  
ATMEGA128A-AN  
ATMEGA329A-AU  
ATMEGA325A-AN  
ATMEGA329PV-10AUR  
ATMEGA329PV-10AURA0  
AT90CAN64-16AU  
AT90CAN64-16AUR  
ATXMEGA128C3-AUR  
ATXMEGA128D3-AURA1  
ATMEGA64L-8AU  
ATMEGA64L-8AUR  
ATMEGA128-16ANR  
ATMEGA128L-8ANR  
ATMEGA128A-ANR  
ATMEGA325A-ANR  
ATMEGA329P-20AU  
ATMEGA329P-20AUR  
ATMEGA64-16AUA2  
ATXMEGA64B3-AU  
ATXMEGA128D3-AUR  
ATMEGA128A-AUR

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ATMEGA128L-8AUR  
ATMEGA64L-8AQR  
ATXMEGA64D3-AUA4  
ATXMEGA64D3-AU  
ATMEGA128L-8AURA6  
ATMEGA128-16AURA0  
ATMEGA128-16AUR  
ATMEGA325PA-AUR  
ATMEGA329A-AUR  
ATMEGA329PA-AUR  
ATMEGA325A-AUR  
ATMEGA165P-16AN  
ATXMEGA64C3-AU  
ATXMEGA32C3-AU  
PIC32MX570F512L-I/PF  
DSPIC33FJ256GP710A-I/PF  
DSPIC33FJ256MC510A-I/PF  
PIC32MX170F512LT-I/PF  
PIC32MX795F512LT-80I/PF  
PIC32MX775F512LT-80I/PF  
PIC32MX775F256LT-80I/PF  
PIC24HJ256GP610A-I/PF  
DSPIC33FJ256GP510A-I/PF  
PIC32MX470F512LT-120/PF  
PIC32MX675F256LT-80I/PF  
PIC32MX575F512LT-80I/PF  
PIC32MX575F256LT-80I/PF  
PIC32MX695F512LT-80I/PF  
PIC32MX150F256L-50I/PF  
PIC32MX170F512L-50I/PF  
PIC32MX675F512LT-80I/PF  
PIC32MX250F256L-50I/PF  
ATSAM4LC8CA-AU  
ATSAM4LS8CA-AU  
ATSAM4LC8CA-AUR  
ATSAM4LS8CA-AUR  
AT32UC3A1512-AUR  
ATSAM4C32CA-AUT  
PIC32CM2532JH00100T-E/PF  
PIC32CM5164JH00100T-E/PF  
PIC32CM2532JH01100T-E/PF  
PIC32CM5164JH01100T-E/PF  
PIC32CM5164LS60100-I/PF  
PIC32CM2532JH00100T-I/PF  
PIC32CM5164JH00100T-I/PF  
PIC32CM2532JH01100T-I/PF  
PIC32CM5164JH01100T-I/PF  
ATSAM4C8CB-AUT  
ATSAM4C8CB-AUTR

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ATSAM4C16CB-AUT  
ATSAM4C16CB-AUTR  
ATSAM4C32CA-AUTR  
PIC32CM2532JH00100-E/PF  
PIC32CM5164JH00100-E/PF  
PIC32CM2532JH01100-E/PF  
PIC32CM5164JH01100-E/PF  
PIC32CM2532JH00100-I/PF  
PIC32CM5164JH00100-I/PF  
PIC32CM2532JH01100-I/PF  
PIC32CM5164JH01100-I/PF  
AT32UC3A1128-AUT  
AT32UC3A1256-AUT  
AT32UC3A1128-AUR  
AT32UC3A1256-AUR  
PIC16F1939-ME2/PF  
ATSAM4LC4CA-AU  
ATSAM4LS4CA-AU  
ATSAM4LC2CA-AU  
ATSAM4LC4CA-AUR  
ATSAM4LS4CA-AUR  
ATSAM4LC2CA-AUR  
ATSAM4LS2CA-AUR  
DSPIC33FJ32GS610-50I/PF  
PIC32MZ1024EFM100T-E/PF  
PIC32MZ2048EFG100T-E/PF  
PIC32MX270F512LT-V/PF  
PIC32MX550F256LT-I/PF  
PIC32MX530F128LT-I/PF  
PIC32MX575F512LT-80V/PF  
PIC32MX575F512L-80V/PF  
PIC32MX575F256L-80V/PF  
PIC32MX575F256LT-80V/PF  
PIC32MX695F512LT-80V/PF  
PIC32MX675F512LT-80V/PF  
PIC32MZ1024EFG100T-E/PF  
PIC32MZ1024EFH100T-E/PF  
PIC32MZ1024EFK100T-E/PF  
PIC32MZ1024EFF100T-E/PF  
PIC32MX530F128LT-50I/PF  
DSPIC33FJ64GP710-I/PF  
DSPIC33FJ128GP310-I/PF  
PIC32MX695F512L-80V/PF  
PIC32MX270F512LT-50I/PF  
PIC32MX130F128L-50I/PF  
PIC32MX230F128L-I/PF  
PIC32MX675F512L-80V/PF  
PIC32MX675F256L-80V/PF  
PIC32MX795F512L-80V/PF

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PIC32MX775F512L-80V/PF  
PIC32MX530F128L-I/PF  
PIC32MX530F128L-50I/PF  
PIC32MX550F256LT-50I/PF  
PIC32MX570F512LT-50I/PF  
PIC32MX230F128L-50I/PF  
PIC32MX775F256L-80V/PF  
PIC32MX570F512LT-I/PF  
PIC32MZ2048EFH100T-E/PF  
PIC32MZ2048ECM100-I/PF  
PIC32MX130F128L-V/PF  
PIC32MX230F128L-V/PF  
PIC32MX675F256LT-80V/PF  
PIC32MX795F512LT-80V/PF  
PIC32MZ2048ECG100-I/PF  
PIC32MZ2048EFM100T-E/PF  
PIC32MZ1024ECG100-I/PF  
PIC32MX775F512LT-80V/PF  
PIC32MX775F256LT-80V/PF  
PIC32MX575F256LT-80V/PFC21  
DSPIC33FJ128MC510-I/PF  
DSPIC33FJ128MC710-I/PF  
DSPIC33FJ256MC510-I/PF  
PIC24HJ256GP610-I/PF  
DSPIC33FJ64GP310-I/PF  
DSPIC33FJ256GP710-I/PF  
DSPIC33FJ64MC710-I/PF  
PIC24HJ256GP610AT-I/PF  
DSPIC33FJ128GP710-I/PF  
DSPIC33FJ256GP510-I/PF  
PIC32MX170F512LT-V/PF  
PIC32MX150F256LT-V/PF  
DSPIC33FJ256GP710AT-I/PF  
PIC32MX150F256LT-50I/PF  
PIC32MX170F512LT-50I/PF  
PIC32MX130F128LT-50I/PF  
PIC32MZ2048ECH100-I/PF  
PIC32MZ0512EFE100T-E/PF  
PIC32MX130F128LT-V/PF  
PIC32MX150F256LT-I/PF  
PIC32MX130F128LT-I/PF  
PIC32MX250F256LT-I/PF  
PIC32MX250F256LT-50I/PF  
PIC32MX230F128LT-50I/PF  
PIC32MZ0512EFF100T-E/PF  
PIC32MZ0512EFK100T-E/PF  
ATXMEGA32D3-AU  
ATMEGA329V-8AU  
ATMEGA329-16AU

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ATMEGA165PA-AU  
ATMEGA169PA-AU  
ATMEGA169A-AU  
ATMEGA325-16AU  
ATMEGA649-16AUR  
ATMEGA645-16AUR  
ATXMEGA192A3U-AU  
ATXMEGA256A3BU-AU  
ATXMEGA256A3U-AU  
ATXMEGA128A3U-AU  
ATXMEGA128B3-AU  
ATMEGA165A-AU  
ATMEGA169PA-AN  
ATXMEGA192A3U-AN  
ATXMEGA256A3U-AN  
ATXMEGA192A3U-ANR  
ATXMEGA256A3U-ANR  
ATMEGA64A-AU  
ATMEGA64-16AU  
ATMEGA169PA-ANR  
ATMEGA329V-8AUR  
ATMEGA165P-16ANR  
ATXMEGA192A3U-AUR  
ATXMEGA64B3-AUR  
ATXMEGA128B3-AUR  
ATXMEGA32C3-AN  
ATXMEGA32D3-AN  
ATMEGA64-16AUA0  
ATMEGA64A-AN  
ATMEGA64A-ANR  
ATMEGA325-16AUR  
ATMEGA329-16AUR  
ATMEGA329PV-10AU  
ATMEGA325P-20AU  
ATXMEGA256A3BU-AUR  
ATXMEGA256D3-AURA1  
ATXMEGA128A3U-AUR  
ATXMEGA256A3U-AUR  
ATXMEGA64C3-AN  
ATXMEGA64D3-AN  
ATMEGA64A-AUR  
ATMEGA649A-AU  
ATMEGA645A-AU  
ATMEGA645P-AU  
ATMEGA165PA-AUR  
ATMEGA165A-AUR  
ATMEGA169A-AUR  
ATMEGA169PA-AUR  
ATXMEGA192D3-AU

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ATXMEGA256C3-AU  
ATXMEGA32C3-ANR  
ATXMEGA32D3-ANR  
ATXMEGA64C3-ANR  
ATMEGA645-16AU  
ATMEGA645V-8AU  
ATMEGA645V-8AUR  
PIC18F96J65-I/PF  
PIC18F97J60-I/PF  
PIC24FJ64GB110-I/PF  
PIC24FJ128GB110-I/PF  
PIC24FJ192GB110-I/PF  
PIC24FJ256GB110-I/PF  
PIC24FJ64GA110-I/PF  
PIC24FJ128GA110-I/PF  
PIC24FJ256GA110-I/PF  
PIC24FJ256GA110-E/PF  
PIC24FJ128GA110-E/PF  
PIC24FJ64GA010-I/PF  
PIC24FJ128GA010-I/PF  
PIC24FJ96GA010-I/PF  
PIC18F96J94-I/PF  
PIC18F97J94-I/PF  
DSPIC33FJ256GP710-I/PFB21  
PIC24FJ128GA310-I/PF  
PIC24HJ64GP210A-I/PF  
PIC24EP256GU810-E/PF  
PIC32MX370F512LT-I/PF  
PIC32MX470F512LT-I/PF  
PIC32MX370F512LT-V/PF  
PIC32MX470F512LT-V/PF  
DSPIC33FJ64GS610-50I/PF  
PIC32MX534F064L-V/PF  
PIC32MX330F064LT-I/PF  
PIC32MX430F064LT-I/PF  
PIC24EP512GU810-I/PF  
PIC32MX450F128L-V/PF  
PIC32MX764F128L-V/PF  
PIC32MX430F064L-V/PF  
DSPIC33EP256MU810T-I/PF  
DSPIC33EP512MU810T-I/PF  
PIC24EP256GU810T-I/PF  
PIC24EP512GU810T-I/PF  
PIC32MX564F064L-V/PF  
PIC32MX664F128L-V/PF  
PIC32MX664F064L-V/PF  
PIC32MX330F064L-V/PF  
PIC24EP256GU810-I/PF  
PIC32MX564F064L-I/PF

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DSPIC33EP128GM710T-I/PF  
PIC32MX664F128L-I/PF  
PIC32MX664F064L-I/PF  
PIC32MX764F128L-I/PF  
PIC32MX330F064L-I/PF  
PIC32MX430F064L-I/PF  
DSPIC33EP256MU810-I/PF  
DSPIC33EP512MU810-I/PF  
PIC24HJ256GP210A-I/PF  
PIC32MZ2048EFH100-I/PFM21  
PIC32MX530F128LT-V/PF  
PIC32MX570F512LT-V/PF  
DSPIC33EP512GM310T-I/PF  
DSPIC33FJ256GP710A-E/PF  
PIC32MX150F256L-V/PF  
DSPIC33FJ256MC510A-E/PF  
DSPIC33FJ256MC710A-E/PF  
PIC32MX170F512L-V/PF  
PIC32MX270F512L-V/PF  
PIC32MX250F256L-V/PF  
PIC32MX550F256L-I/PF  
PIC32MX570F512L-50I/PF  
PIC32MX270F512L-50I/PF  
PIC32MX550F256L-50I/PF  
DSPIC33FJ64GS610T-I/PF  
DSPIC33FJ64GS610T-E/PF  
PIC32MX250F256L-I/PF  
PIC32MX270F512L-I/PF  
PIC32MZ2048EFM100-I/PF  
PIC32MX675F512L-80I/PF  
PIC32MX675F256L-80I/PF  
PIC32MX795F512L-80I/PF  
PIC32MX450F128LT-I/PF  
PIC32MX450F256LT-I/PF  
PIC32MX575F512L-80I/PF  
PIC32MX775F512L-80I/PF  
PIC24HJ256GP210A-E/PF  
PIC24HJ256GP610A-E/PF  
DSPIC33FJ256GP510A-E/PF  
PIC24HJ256GP210T-I/PF  
PIC24HJ256GP610T-I/PF  
DSPIC33FJ256GP710T-I/PF  
DSPIC33FJ256MC710T-I/PF  
DSPIC33FJ256MC710A-I/PF  
PIC32MX470F512L-120/PF  
PIC24HJ64GP510A-I/PF  
DSPIC33FJ64GP710A-I/PF  
DSPIC33FJ128GP710A-I/PF  
DSPIC33FJ128MC510A-I/PF

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DSPIC33FJ128MC710A-I/PF  
PIC24HJ128GP210A-I/PF  
PIC24HJ128GP310A-I/PF  
PIC24HJ128GP510A-I/PF  
DSPIC33FJ128GP310A-I/PF  
DSPIC33FJ64MC510A-I/PF  
DSPIC33EP128GM310-I/PF  
DSPIC33EP128GM710-I/PF  
DSPIC33EP256GM310-I/PF  
DSPIC33EP256GM710-I/PF  
DSPIC33EP512GM310-I/PF  
DSPIC33EP512GM710-I/PF  
PIC16F1789-ME2/PF  
PIC16F1829-ME2/PF  
DSPIC33EP128GM710-E/PF  
DSPIC33EP256GM310-E/PF  
DSPIC33EP512GM310-E/PF  
DSPIC33EP512GM710-E/PF  
PIC16F1719-ME2/PF  
DSPIC33EP512MU810-E/PF  
DSPIC33EP256MU810-E/PF  
PIC32MX450F256L-120/PF  
PIC24HJ128GP510A-E/PF  
PIC16F1619-ME2/PF  
DSPIC33FJ128MC710A-E/PF  
DSPIC33FJ128GP710A-E/PF  
DSPIC33EP512MU810-I/PFC04  
ATSAM4LS2CA-AU  
PIC24HJ64GP510AT-I/PF  
PIC24HJ128GP510AT-I/PF  
DSPIC33FJ128MC710AT-I/PF  
PIC24FJ64GA010T-I/PF  
PIC32MZ1024EFE100-I/PF  
PIC32MZ1024EFF100-I/PF  
PIC32MZ1024EFG100-I/PF  
PIC32MX130F128L-I/PF  
PIC32MZ2048EFH100-250I/PF  
PIC32MZ0512EFK100-I/PF  
PIC32MZ2048EFG100-I/PF  
PIC32MX530F128L-V/PF  
PIC32MZ0512EFE100-I/PF  
PIC32MZ0512EFF100-I/PF  
PIC32MX150F256L-I/PF  
PIC32MX170F512L-I/PF  
PIC32MZ1024EFM100-I/PF  
PIC32MZ2048EFG100-I/PF21  
PIC32MX570F512L-V/PF  
PIC32MX450F256LT-120/PF  
PIC32MX550F256L-V/PF

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PIC32MZ2048EFH100-I/PF  
PIC32MZ1024EFH100-I/PF  
PIC32MZ1024EFK100-I/PF  
PIC32MZ1024ECH100T-I/PF  
PIC32MZ2048ECH100T-I/PF  
PIC32MZ2048ECM100T-I/PF  
PIC24HJ128GP510-I/PF  
PIC24HJ256GP210-I/PF  
PIC24HJ64GP210-I/PF  
PIC24HJ64GP510-I/PF  
PIC32MX370F512L-V/PF  
DSPIC33EP256MU810T-E/PF  
DSPIC33EP512MU810T-E/PF  
PIC32MX470F512L-V/PF  
PIC24EP512GU810-E/PF  
PIC32MZ1024ECG100T-I/PF  
PIC32MX370F512L-I/PF  
PIC32MX470F512L-I/PF  
PIC24EP256GU810T-E/PF  
PIC24EP512GU810T-E/PF  
PIC32MZ2048ECG100T-I/PF  
PIC32MZ1024EFE100T-E/PF  
PIC32MZ1024ECH100-I/PF  
DSPIC33FJ256MC710-I/PF  
DSPIC33FJ256MC710AT-I/PF  
PIC24HJ128GP210-I/PF  
PIC24HJ128GP310-I/PF  
PIC32MX250F256LT-V/PF  
PIC32MX230F128LT-V/PF  
PIC32MX550F256LT-V/PF  
PIC32MX230F128LT-I/PF  
PIC32MX270F512LT-I/PF  
PIC32MX350F256L-I/PF  
PIC32MX764F128LT-I/PF  
PIC32MX350F128L-I/PF  
PIC32MX450F256L-I/PF  
DSPIC33FJ64GS610-I/PF  
DSPIC33FJ32GS610-I/PF  
PIC32MX450F128L-I/PF  
PIC32MX575F256L-80I/PF  
PIC32MX695F512L-80I/PF  
PIC32MX350F256LT-I/PF  
PIC32MZ2048EFM100T-I/PF  
PIC32MX564F064LT-I/PF  
PIC32MX664F128LT-I/PF  
PIC32MX664F064LT-I/PF  
PIC32MZ2048EFG100T-I/PF  
PIC32MZ2048EFH100T-I/PF  
PIC32MZ0512EFE100T-I/PF

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PIC32MZ0512EFF100T-I/PF  
PIC32MX564F128LT-I/PF  
PIC32MX534F064LT-I/PF  
PIC32MZ2048EFH100T-250I/PF  
PIC32MZ0512EFK100T-I/PF  
PIC32MZ1024EFE100T-I/PF  
PIC32MZ1024EFF100T-I/PF  
DSPIC33FJ64GS610-E/PF  
PIC32MZ1024EFG100T-I/PF  
PIC32MZ1024EFH100T-I/PF  
PIC32MZ1024EFK100T-I/PF  
PIC32MZ1024EFM100T-I/PF  
PIC32MX775F256L-80I/PF  
PIC24FJ256GB110T-I/PF  
PIC32MX330F064LT-V/PF  
PIC32MX430F064LT-V/PF  
PIC32MZ0512EFE100-E/PF  
PIC32MZ0512EFF100-E/PF  
PIC32MZ0512EFK100-E/PF  
PIC32MZ1024EFE100-E/PF  
PIC32MX795F512L-80I/PFE21  
PIC32MZ1024EFF100-E/PF  
PIC32MZ1024EFG100-E/PF  
PIC32MZ1024EFH100-E/PF  
PIC32MZ1024EFK100-E/PF  
PIC32MZ1024EFM100-E/PF  
PIC32MX534F064LT-V/PF  
PIC32MX564F064LT-V/PF  
PIC32MX664F128LT-V/PF  
PIC32MX664F064LT-V/PF  
PIC32MZ2048EFG100-E/PF  
PIC32MZ2048EFH100-E/PF  
PIC32MZ2048EFM100-E/PF  
PIC32MX564F128LT-V/PF  
PIC32MX764F128LT-V/PF  
PIC32MX450F256LT-V/PF  
ATMEGA6490-16AU  
ATMEGA3290-16AUR  
ATMEGA3290V-8AUR  
ATMEGA3290PV-10AU  
ATMEGA3290PV-10AUR  
ATMEGA2560-16AU-HCM  
ATXMEGA128B1-AU  
ATXMEGA64B1-AU  
ATXMEGA64B1-AUA0  
ATMEGA3250PA-AUR  
ATMEGA3290A-AUR  
ATMEGA3250A-AUR  
ATMEGA3290PA-AUR

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ATMEGA3250-16AU  
ATMEGA3290-16AU  
ATMEGA64-16AURA0  
ATMEGA649P-AU  
ATMEGA649V-8AU  
ATMEGA649-16AU  
ATMEGA649V-8AUR  
ATMEGA64L-8AURA1  
ATMEGA64L-8AURA3  
ATMEGA64-16AURA1  
ATXMEGA256D3-AU  
ATXMEGA192C3-AU  
ATXMEGA64D3-ANR  
ATMEGA169PV-8AU  
ATMEGA169P-16AU  
ATMEGA325V-8AU  
ATMEGA325V-8AUR  
ATXMEGA384C3-AU  
ATXMEGA384D3-AU  
ATXMEGA64D3-AURA4  
ATXMEGA64D3-AUR  
ATXMEGA64C3-AUR  
ATMEGA325PV-10AU  
ATMEGA325P-20AUR  
ATMEGA325P-20AURA0  
ATMEGA128L-8AN  
ATMEGA649A-AUR  
ATMEGA645A-AUR  
ATMEGA645P-AUR  
AT90CAN32-16AU  
AT90CAN32-16AUR  
ATXMEGA384C3-AUR  
ATXMEGA32C3-AUR  
PIC32MX350F256LT-V/PF  
PIC32MX350F128LT-V/PF  
PIC32MX450F128LT-V/PF  
PIC32MX350F128LT-I/PF  
PIC32MX564F128L-I/PF  
PIC32MX534F064L-I/PF  
PIC32MX350F256L-V/PF  
PIC32MX350F128L-V/PF  
PIC32MX450F256L-V/PF  
PIC32MX564F128L-V/PF  
PIC18F96J94T-I/PF  
PIC18F97J60T-I/PF  
PIC32MZ2048EFG100T-I/PF21  
ATSAML22N16A-AUT  
AT32UC3C1128C-AUT  
AT32UC3C1256C-AUT

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AT32UC3C1512C-AUT  
AT32UC3C164C-AUT  
ATSAML22N17A-AUT  
ATMEGA3250V-8AUR  
ATMEGA3250-16AUR  
ATMEGA3290P-20AU  
ATXMEGA128B1-AURA0  
ATMEGA3250P-20AU  
ATXMEGA128B1-AUR  
ATXMEGA64B1-AUR  
ATMEGA6450A-AU  
ATMEGA6490A-AU  
ATMEGA6490P-AU  
ATMEGA6450P-AU  
ATMEGA1280-16AU-HCM  
ATXMEGA128A1-AU  
ATXMEGA64A1-AU  
ATMEGA6450-16AUR  
ATSAMC21N18A-AZ  
ATSAMC21N17A-AZ  
ATSAMC20N18A-AZ  
ATSAMC20N17A-AZ  
ATSAMC21N18A-AZT  
ATSAMC21N17A-AZT  
ATSAMC20N18A-AZT  
ATSAMC20N17A-AZT  
ATSAMC21N18A-AUTGR  
ATSAMC21N18A-AUGR  
PIC32CM5164LE00100-I/PF  
PIC32CM5164LE00100T-I/PF  
PIC32CM5164LS00100-I/PF  
PIC32CM5164LS00100T-I/PF  
PIC32CM5164JH01100-I/PF-SL3  
DSPIC33FJ64MC506A-E/PFC23  
ATXMEGA64D3-AURA7  
ATXMEGA64D3-AUA6  
ATMEGA64-16AUR  
ATSAML22N18A-AUT  
DSPIC33FJ256GP710A-H/PF  
DSPIC33FJ256MC710A-H/PF  
AT32UC3C1128C-AUR  
AT32UC3C1256C-AUR  
AT32UC3C1512C-AUR  
AT32UC3C164C-AUR  
AT32UC3C1256C-AURA0  
PIC32CM5164LS60100-I/PF-PROTO  
PIC32CM5164LS60100T-I/PF-PROTO  
ATSAMC21N17A-AN  
ATSAMC21N18A-AN

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ATSAMC20N17A-ANT  
ATSAMC21N17A-ANT  
ATSAMC20N18A-ANT  
ATSAMC21N18A-ANT  
ATSAMC20N18A-AN  
PIC24HJ256GP610A-H/PF  
PIC32CM5164SMT100-I/PF  
PIC32CM2532LE00100-I/PF  
PIC32CM2532LS00100-I/PF  
PIC32CM2532LE00100T-I/PF  
PIC32CM2532LS00100T-I/PF  
AT32UC3A1512-AUT  
ATMEGA6450A-AUR  
ATMEGA6490A-AUR  
ATMEGA6490P-AUR  
ATMEGA6490V-8AU  
ATMEGA640V-8AU  
ATXMEGA64A1-AUR  
ATXMEGA128A1-AUR  
ATMEGA2560-16AU  
ATMEGA2560V-8AU  
ATMEGA2560-16AUR  
ATMEGA3250V-8AU  
ATMEGA3250PV-10AU  
ATMEGA6450P-AUR  
ATMEGA6490-16AUR  
ATMEGA6490V-8AUR  
ATMEGA640-16AU  
ATMEGA640V-8AUR  
ATMEGA640-16AUR  
ATMEGA2560V-8AUR  
ATMEGA6450V-8AUR  
ATXMEGA128A1U-AU  
ATXMEGA64A1U-AU  
ATMEGA3250PV-10AUR  
ATMEGA3290V-8AU  
ATMEGA3290PV-10AUA0  
ATMEGA3250PA-AU  
ATMEGA3290A-AU  
ATMEGA3250A-AU  
ATXMEGA128A1U-AN  
ATXMEGA128A1U-ANR  
ATMEGA6450V-8AU  
ATMEGA3290PA-AU  
ATMEGA3290P-20AUR  
ATMEGA3250P-20AUR  
ATMEGA640-16AURA0  
ATMEGA1280-16AU  
ATMEGA1280V-8AU

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ATMEGA1280-16AUR

ATMEGA1280V-8AUR

ATXMEGA128A1U-AUR

ATXMEGA64A1U-AUR

ATMEGA6450-16AU

ATXMEGA32D3-AUR

ATXMEGA64D3-AURA6

ATMEGA169PV-8AUR

ATMEGA169P-16AUR

ATMEGA169PV-8AURA3

ATMEGA128L-8AURA3

ATMEGA128-16AURA3

ATMEGA165PV-8AUR

ATMEGA325PV-10AUR

ATMEGA649P-AUR

ATMEGA128L-8AUA4

ATMEGA128L-8AURA5