PRODUCT NEWS

Product Discontinuation Notice

Programmable Multi-Axis Controller (PMAC)

OMRON

Issue Date
March 31, 2023

20230328_DOP_00006

For over 20 years, the Turbo PMAC family and other common accessories have enjoyed a successful life span and numerous innovative applications. We thank you for that. Key components on these products have been obsolete for a few years now. They are no longer obtainable and our inventory stock is nearing its' end. For that reason, we are announcing the discontinuation of certain products that incorporate these components. Please contact your local OMRON sales representative for more information about this notice and other OMRON industry-leading line of programmable multi-axis motion controllers.

Product Discontinuation

A/D Converter Interface ACC-28B

From 3-2678A-□□□0□-00

Recommended Replacement

No Direct Replacement

UMAC Systems
ACC-28E
CK3M System
CK3W-AD□100
EtherCAT System
NX-AD□□□□

[Final Order Entry Date]
March 31, 2024

[Date of The Last Shipping]
September 30, 2024

[Scheduled date of maintenance close]
September 29, 2027 (subject to part availability)

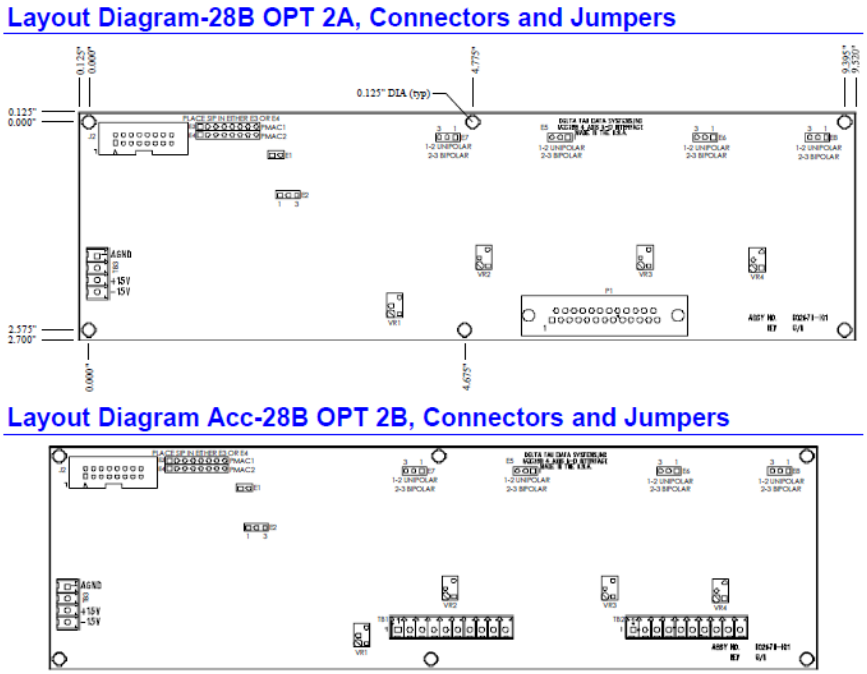
[Difference from discontinued product]

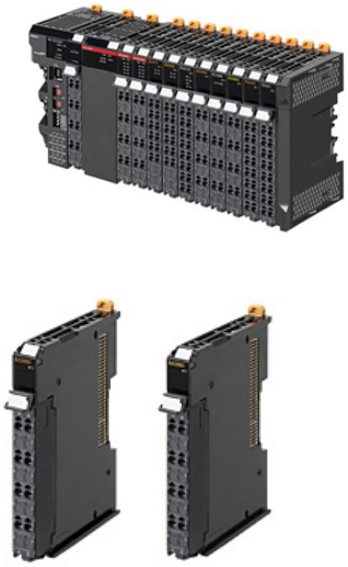
Recommended replacement	Body Color	Dimensions	Wire Connection	Mounting Dimensions	Form Factor	Operation Ratings	Operation Methods
UMAC Solution	-	--	*	--	--	*	--
CK3M Solution	-	--	--	--	--	*	--
EtherCAT Solution	-	--	--	--	--	*	--

** : Compatible
* : Minor change/Almost compatible
-- : Not compatible
- : No corresponding specification

The following illustrations show the "from to" items for replacement product.

[Product Pictures]

From 3-2678A-□□□0□-00


ACC-28E	CK3W-AD□100	NX-AD□□□□
		

[Operation Methods]

From 3-2678A-□□□0□-00	To 3-3404A-00-000□-□□□□	To CK3W-AD□100	To NX-AD□□□□
Compatible with both Turbo and Power PMAC	Compatible with both Turbo and Power PMAC	Only compatible with Power PMAC	Only compatible with Power PMAC

[Product Discontinuation and Recommended Replacement]

3-2678A-□□□0□-00 Part Number

PMAC ACC-28B

								A	B	C	D	E			
3	-	2	6	7	8	A	-				0		-	0	0

A

0 – 2-channel A/D converter, 16-bit resolution

1 - 4-channel A/D converter, 16-bit resolution

A/D Option

B C

A2 – Analog input connector DB-25

B2 - Analog input connector terminal block

Analog Connector Option

E

0 - No Rail mount

4 – With Rail mount

Mounting Options

For UMAC Solution:

3-3404A-00-000□-□□□□ Part Number

UMAC ACC-28E

3	-	3	4	0	4	A	-	0	0	-	0	0	0		-				
														H		I	J	K	L

H – Channel Options
- 0 - 2 Channel
- 1 - 4 Channel

I – Plate Options
- B – BLACK Front, top and bottom plates (Standard)
- F - BLACK Front plate only Order as Spare Only
- R – SILVER Front, top and bottom plates
- A - SILVER Front plate only Order as Spare Only

J – Connection Options
- 1 - Removable Terminal Blks
- 2 - DB15 connectors

K L – Factory Assigned Options
- 00 - No Additional* Options
- xx - Factory assigned digits for Additional* Options

* If Any **Additional Option** is required, contact factory for digits **K** and **L** (**Factory Assigned** digits).

For CK3M Solution:

NX-AD□□□□ Part Number

Model	Specification								
	Number of points	Input range	Resolution	Conversion value, decimal number (0 to 100%)	Over all accuracy (25°C)	Input method	Conversion time	Input impedance	I/O refreshing method
NX-AD2603	2 points	-10 to +10 V	1/8000	-4000 to 4000	±0.2% (full scale)	Single-ended input	250 µs/ point	1 MΩ min.	Free-Run refreshing
NX-AD2604						Differential input			
NX-AD2608			1/30000	-15000 to 15000	±0.1% (full scale)	Differential input	10 µs/ point		Selectable Synchronous I/O refreshing or Free-Run refreshing
NX-AD3603	4 points		1/8000	-4000 to 4000	±0.2% (full scale)	Single-ended input	250 µs/ point		Free-Run refreshing
NX-AD3604						Differential input			
NX-AD3608			1/30000	-15000 to 15000	±0.1% (full scale)	Differential input	10 µs/ point		Selectable Synchronous I/O refreshing or Free-Run refreshing
NX-AD4603	8 points		1/8000	-4000 to 4000	±0.2% (full scale)	Single-ended input	250 µs/ point		Free-Run refreshing
NX-AD4604						Differential input			
NX-AD4608			1/30000	-15000 to 15000	±0.1% (full scale)	Differential input	10 µs/ point		Selectable Synchronous I/O refreshing or Free-Run refreshing

For EtherCAT Solution:

CK3W-AD□100 Part Number

Product name	Input range	Number of inputs	Model
Analog Input Unit	-10 to 10 V	4	CK3W-AD2100
		8	CK3W-AD3100

NOTES:
- A UMAC Solution is the closest replacement, but because of the differences, customers are recommended to contact local Omron representative to determine the most appropriate solution for their specific application.

Product Discontinuation	Recommended Replacement
3-2678A-0A200-00	Contact Local Omron Representative
3-2678A-0B200-00	Contact Local Omron Representative
3-2678A-0B204-00	Contact Local Omron Representative
3-2678A-0B234-00	Contact Local Omron Representative
3-2678A-1A200-00	Contact Local Omron Representative
3-2678A-1B200-00	Contact Local Omron Representative
3-2678A-1B204-00	Contact Local Omron Representative

Specifications and prices in this product news are as of the issue date and are subject to change without notice.
Only main changes in specifications are described in this document. Please be sure to read the relevant catalogs, datasheets, product specifications, instructions, and manuals for precautions and necessary information when using products.

Rev	Description	Date	Prepared By	Approved By
A	Released	3/10/2023	EH	AA