

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

Turbo PMAC2 Ethernet Ultralite



From 5-3862F3-202□-□□0□□□



### Recommended Replacement

Power PMAC EtherLite ARM

To PEL3-□□0-4□□-□□00□□□

### [ 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
PEL3-□□0-4□□-□□00□□□	**	*	*	*	*	**	*

\*\* : Compatible

\* : Minor change/Almost compatible

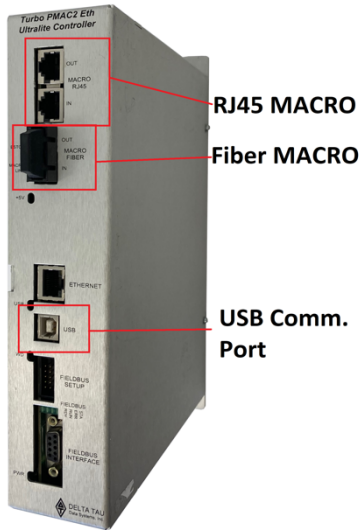
-- : Not compatible

- : No corresponding specification

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

[ Wire Connection ]

From 5-3862F3-202□-□□0□□□

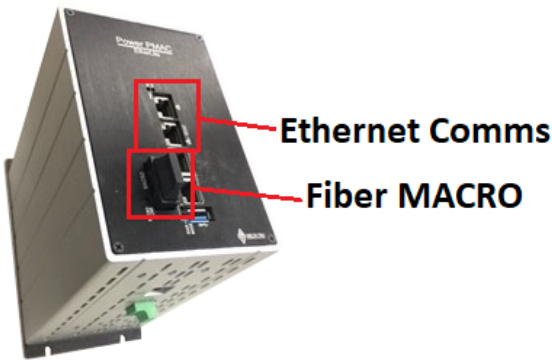


RJ45 MACRO

Fiber MACRO

USB Comm. Port

To PEL3-□□0-4□□-□□00□□□



Ethernet Comms

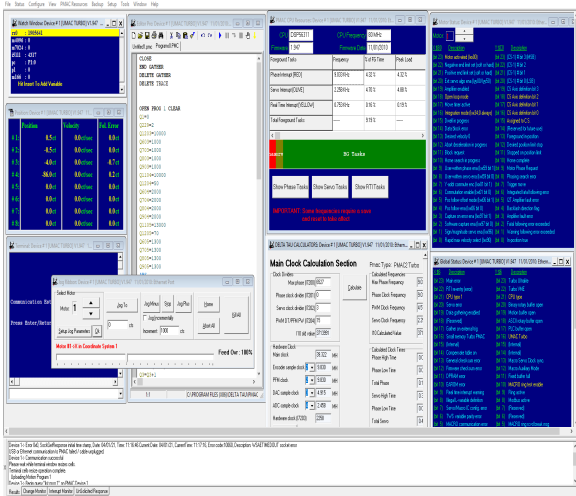
Fiber MACRO

USB Type B port removed. Communication only via Ethernet.

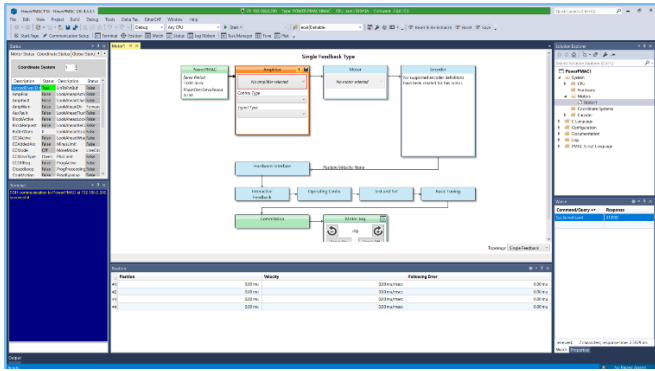
MACRO only available via Fiber Optic. RJ45 MACRO is obsolete for PEL3-□□0-4□□-□□00□□□.

[ Operation Methods ]

From 5-3862F3-202□-□□0□□□



To PEL3-□□0-4□□-□□00□□□



Programming moved to Power PMAC IDE. Training is available.

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Form 155

# [ Product Discontinuation and Recommended Replacement ]

5-3862F3-202□-□□0□□□ Part Number

**Turbo PMAC2 ETH Ultralite**

A		B		C		D		E		F		G		H		J		K		L	
5	-	3	8	6	2			-	2			-			0						

<p><b>A B</b></p> <p><b>C0 - Opt. 5C0 80MHz</b> DSP563xx CPU 256Kx24 SRAM 1Mx8 flash* (Standard)</p> <p><b>C3 - Opt. 5C3 80MHz</b> DSP563xx CPU 1Mx24 SRAM 4Mx8 flash*</p> <p><b>F3 - Opt. 5F3 240MHz</b> DSP563xx CPU 1Mx24 SRAM 4Mx8 flash*</p>	<p><b>C</b></p> <p><b>2 - PMAC2 (Standard)*</b></p> <p><b>D</b></p> <p><b>0 - No Option</b></p> <p><b>3 - Opt. 18A</b> Electronic board Identification</p> <p><b>CPU / Memory / Firmware Options</b></p>	<p><b>E</b></p> <p><b>2 - Opt. A</b> MACRO-ring fiber optic interface</p> <p><b>3 - Opt. C (Obsolete)</b> MACRO-ring RJ-45 electrical interf.</p> <p><b>F</b></p> <p><b>4 - No Option (Standard)</b></p> <p><b>5 - Opt. 2B</b> Dual Port. RAM</p> <p><b>6 - Opt. 15F</b> ModBus Comm.</p> <p><b>7 - Opt. 2B &amp; Opt. 15F</b> Dual Port. RAM &amp; ModBus Comm.</p> <p><b>Communication Options</b></p>	<p><b>G</b></p> <p><b>2 - Opt. 1A</b> 8 servo, 6 I/O and 2 communic. Nodes (Standard)</p> <p><b>3 - Opt. 1B</b> 16 servo, 12 I/O and 4 communic. nodes</p> <p><b>4 - Opt. 1C</b> 24 servo, 18 I/O and 6 communic. nodes</p> <p><b>5 - Opt. 1D</b> 32 servo, 24 I/O and 8 communic. nodes</p> <p><b>Axis / MACRO Node Options</b></p>	<p><b>H</b></p> <p><b>0 - No Options</b></p> <p><b>1 - Opt. 12</b> 2-channels 12-bit A/D converter &amp; 1 12-bit D/A converter</p>	<p><b>J</b></p> <p><b>0 - No Options</b></p> <p><b>1 - Opt. G1 (Obsolete)</b> Profibus Master</p> <p><b>2 - Opt. G2 (Obsolete)</b> Profibus Slave</p> <p><b>3 - Opt. G3 (Obsolete)</b> DeviceNet Master</p> <p><b>4 - Opt. G4 (Obsolete)</b> DeviceNet Slave</p> <p><b>5 - Opt. G5 (Obsolete)</b> CanOpen Master</p> <p><b>6 - Opt. G6 (Obsolete)</b> CanOpen Slave</p> <p><b>7 - Opt. GB (Obsolete)</b> CC-Link Slave</p> <p><b>Other Options</b></p>	<p><b>K L</b></p> <p><b>00 - No Additional* Options</b> <b>xx - Factory assigned digits</b> for <b>Additional* Options</b></p> <p><b>Factory Assigned Options</b></p>
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\* If Opt. 10xx (specific firmware version) or any other **Additional Option** is required, contact factory for digits **K** and **L** (**Factory Assigned** digits).  
If Opt. 10xx is not ordered the latest firmware is used.

PEL3-□□0-4□□-□□00□□□ Part Number

**Power PMAC EtherLite ARM CPU\***

A		B		E		F		G		H		K		L		M	
P	E	L	3	-		0	-	4		-		0	0				

<p><b>CPU, Memory, Flash Options</b></p> <p><b>A B</b></p> <p><b>AE - 1020 ARM CPU Dual-Core 1 GHz W/ 2 GB RAM &amp; 4 GB Flash</b> <b>BE - 1040 ARM CPU Quad Core 1.6 GHz W/ 2 GB RAM &amp; 4 GB Flash**</b></p>	<p><b>EtherCAT Options</b></p> <p><b>E</b></p> <p><b>0 - No EtherCAT</b> <b>1 - EtherCAT I/O Only</b> <b>3 - EtherCAT 8 Servo Axes and I/O</b> <b>5 - EtherCAT 16 Servo Axes and I/O</b></p> <p><b>J - EtherCAT 64 Servo Axes and I/O**</b></p> <p><b>For additional Servo Axes control contact factory</b></p> <p><b>F</b></p> <p><b>0 - No Slave Ports</b> <b>1 - RJ45 EtherCAT Slave Ports, IN/OUT**</b></p>	<p><b>MACRO Options (604035)</b></p> <p><b>G H</b></p> <p><b>00 - No MACRO Option**</b> <b>1A - Fiber Optic MACRO / 16 Servo + 12 IO Nodes</b> <b>2A - Fiber Optic MACRO / 32 Servo + 24 IO Nodes</b></p> <p><b>Mounting Options</b></p> <p><b>K</b></p> <p><b>0: Back panel mounting (12" depth panel)</b> <b>1: Right Side Mount (4" depth panel)</b></p> <p><b>Factory Assigned Options</b></p> <p><b>L M</b></p> <p><b>00: No Additional* Options</b> <b>XX: Factory assigned digits for Additional* Options</b></p>
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\* CE and UL only. This product is designed for US and Europe Only  
\*\* These Options are available with Quad Core Only

**NOTES:**

- As Custom P/Ns require customer approval, no equivalent part number can be recommended at this time.
- All recommendations are for the 1020 ("Dual Core") UMAC CPU option. The 1040 ("Quad Core") option is also available and may be preferred for some applications and customers. Contact local Omron representative if you are not sure which would be recommended for your specific application.
- All recommendations are the "No EtherCAT" option. For some customers and applications, one of the various EtherCAT options may be a preferred upgrade path. Contact local Omron representative if you wish to discuss this for your system.
- Certain options (Electronic Board Identification, Dual Port RAM, 2-channels 12-bit A/D converter & 1 12-bit D/A converter, and Fieldbus Options) are not available, and so units with those options are suggested to contact technical support. Other options (battery-backed RAM and Modbus) have equivalents that are standard on 1020 and 1040 UMAC CPUs.

Product Discontinuation	Recommended Replacement
5-3862F3-2024-200000	PEL3-AE0-400-1A00000
5-3862F3-2024-210000	Contact Local Omron Representative
5-3862F3-2024-500000	PEL3-AE0-400-2A00000
5-3862F3-2025-200000	Contact Local Omron Representative
5-3862F3-2025-310000	Contact Local Omron Representative
5-3862F3-2025-500000	Contact Local Omron Representative
5-3862F3-2025-510000	Contact Local Omron Representative
5-3862F3-2026-210000	Contact Local Omron Representative
5-3862F3-2026-310000	Contact Local Omron Representative
5-3862F3-2026-510000	Contact Local Omron Representative
5-3862F3-2027-210000	Contact Local Omron Representative
5-3862F3-2027-300000	Contact Local Omron Representative
5-3862F3-2027-410000	Contact Local Omron Representative
5-3862F3-2027-500000	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	RM	AA