



Important Notice to our Customers

Product Change Notice # BE151214

Date: December 14, 2015

Re: Header and Mating Connector change on PFC MegaPAC, 4 kW MegaPAC, and Mini MegaPAC Families – This PCN supersedes PCN # BE151116

To Our Valued Customers:

We appreciate your use of the PFC MegaPAC, 4 kW MegaPAC, and Mini MegaPAC product families. The purpose of this notice is to inform you of a change to the headers and associated mating connectors, requiring a part number change for existing models. There is no change to the electrical specifications or components of the power supplies. This is a mechanical change of the headers that are available on the individual outputs for status and control connection. These headers are integral to the listed ConverterPAC subassemblies that provide the required outputs for these power supplies.

PCN Type:

Notice of product and part number change due to header/connector obsolescence by our supplier

Product(s) Affected:

Due to a component supply issue, some of the headers and mating connectors for the following products will be changed as of December 21, 2015.

Power supplies

PFC MegaPAC
PFC MegaPAC-EL
PFC MegaPAC-HPEL
PFC MegaPAC-HP
4kW MegaPAC
Mini MegaPAC

ConverterPACs

ModuPAC
JuniorPAC
RAMPAC
BatPAC
QPAC
JuniorQPAC
DualQPAC
UniPAC

All models shipped from December 21, 2015 forward will have the newer headers. Since the headers are not a direct replacement, these power supplies need a new part number. Existing part numbers will require a prefix change from “MP” to “WP”, “MX” to “WX”, and “MM” to “WM” to reflect the changed headers.

Examples:

MP3-737394 replaced by WP3-737394

MX4-749465 replaced by WX4-749465

MM4-16521 replaced by WM4-16521

Models that are newly configured will maintain the current part numbering format (MP, MX, and MM) since they are new designs and there is effectively no change to form, fit or function. The affected ConverterPAC subassembly part numbers will not be changed.

The mating connectors for models shipped after this date will require a new connector kit (43075) which replaces connector kit (19-130040).

Customer Impact:

The new part numbers will be required on orders of the affected parts, effective immediately. Additionally, existing orders that are currently on the books will need to be changed by customers to reflect the new part numbers. Customer shipments after December 21, 2015 will receive updated power supplies with the new headers used in the various ConverterPAC output assemblies.

The affected 4 pin and 7 pin headers provide access to status and control points for each MegaPAC individual output. If these functions are not utilized, then nothing will need to be done. If they are used, the newer connector kits can be ordered from Vicor (43075) or through the manufacturer’s distribution channel (model numbers below).

Technical Details:

The 4 Pin header is found on the ModuPAC, JuniorPAC, RAMPAC and BatPAC assemblies.

The 7 Pin header is found on the QPAC, JuniorQPAC, DualQPAC, UniPAC and FinPAC assemblies.

Example of changes to 7 Pin Header

Old Style – Square corner opening and flat blade contacts



New Style – Chamfered corner opening and flat pin contacts



If the status and control features accessed by these 7 pin or 4 pin headers are used in the application, the mating connector used must change to the connectors available in the new connector kit (Vicor part # 43075). This kit contains the mating connectors to all of the status and control headers. The connectors are not assembled; they must be assembled in the field.

The new connector components can be purchased directly from the manufacturer if desired. The old and new model numbers are shown below as a reference for ordering purposes.

Old 7 Pin mating connector information:

HOUSING- MOLEX P/N: 39-01-0073
TERMINALS- MOLEX P/N: 39-00-0031
CRIMP TOOL MOLEX P/N: 57005-5000

New 7 Pin mating connector information:

HOUSING- MOLEX P/N: 50-37-5073 (included in Kit # 43075)
TERMINALS- MOLEX P/N: 08-70-1040 (included in Kit # 43075)
CRIMP TOOL MOLEX P/N: 63811-5200

Old 4 Pin mating connector information:

HOUSING- MOLEX P/N: 39-01-0043
TERMINALS- MOLEX P/N: 39-00-0031
CRIMP TOOL MOLEX P/N: 57005-5000

New 4 Pin mating connector information:

HOUSING- MOLEX P/N: 50-37-5043 (included in Kit # 43075)
TERMINALS- MOLEX P/N: 08-70-1040 (included in Kit # 43075)
CRIMP TOOL MOLEX P/N: 63811-5200



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