

## ConverterPAC Description - FlexPAC

ConverterPACs are the family of versatile slide-in module assemblies used in the [MegaPAC Family of power supplies](#). Currently there are 13 ConverterPAC types available for use, including the FlexPAC. Most ConverterPACs of the same length are interchangeable within the MegaPAC series of power supplies. They can be added, moved, or changed as necessary.



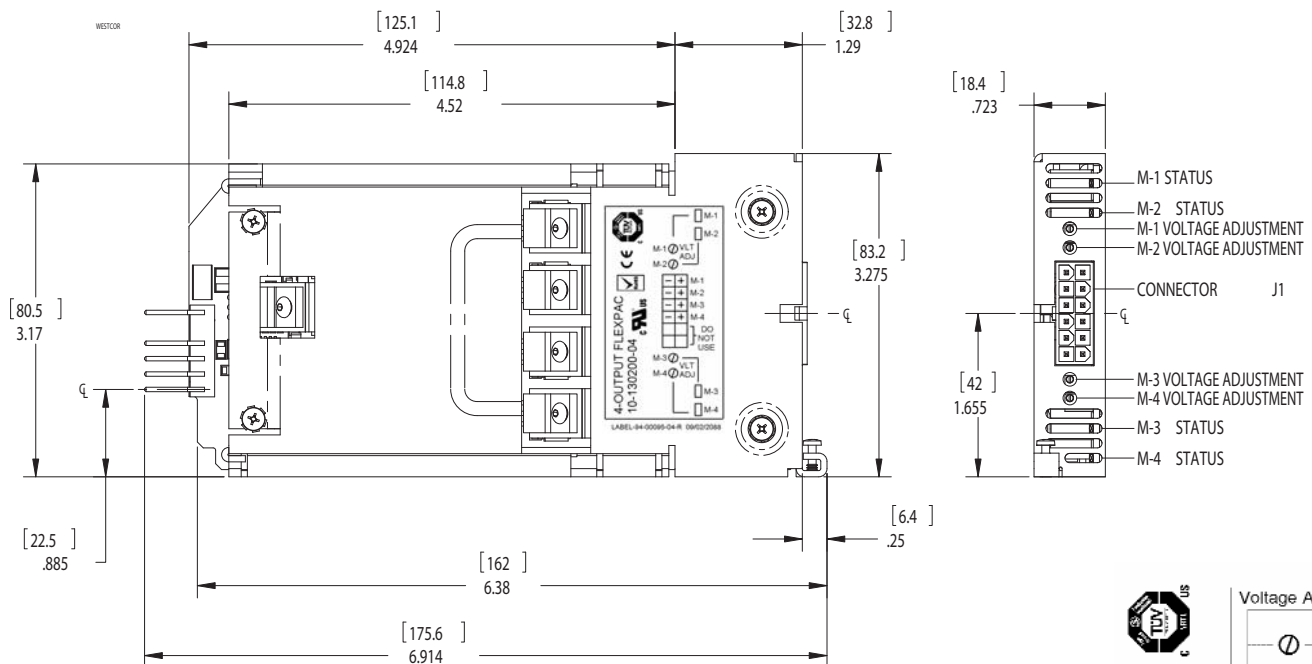
### FLEXPAC (FS)

The FlexPAC is the newest member of the ConverterPAC family and offers an effective platform for a wide variety of low power applications. Some features include

- Dimensions: 7.28 x 3.28 x 0.73"(184,9 x 83,3 x 18,3mm)
- 2, 3 or 4 isolated configurable Voltage Outputs
- Adjustable Voltage Range 2.0Vdc to 25Vdc
- 50W per output channel (limited by a maximum output current of 5A. For more information, refer to power delivery envelope chart on pg 3)
- Low noise 50mV over the entire voltage range
- Factory programmable channel power up sequencing
- Outputs may be configured in series
- Voltage in range (Green LED)
- Over Voltage Protection (Red LED @ Channel)
- Shutdown (None Latching)
- Under Voltage warning (Red LED)
- Over Temperature Protection (Red LED & Channel Shutdown( None Latching))
- Compatible with all members of the MegaPAC family (including low leakage)
- Local sense available
- RoHS Compliant
- Weight - 0.5lbs

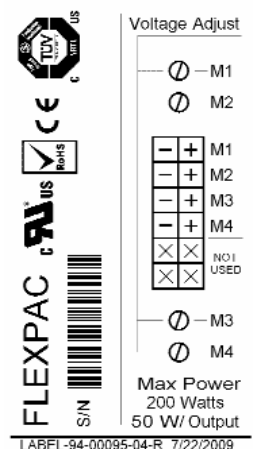
## FLEXPAC MECHANICAL OUTLINE DRAWING

### Four Output FlexPAC

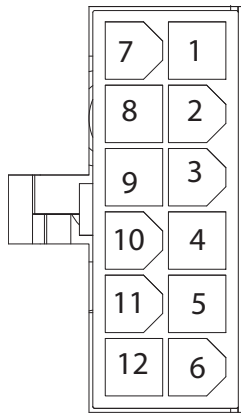


4 OUTPUT

Four Output  
Product Label

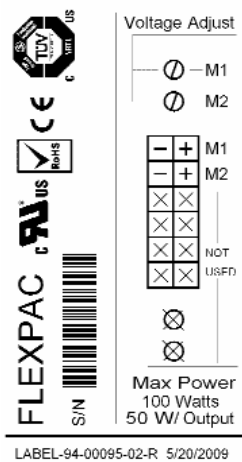


**J1 CONNECTOR PIN OUT**

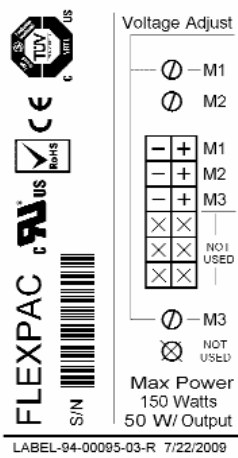


7 -V OUT M1	1 +V OUT M1
8 -V OUT M2	2 +V OUT M2
9 -V OUT M3	3 +V OUT M3
10 -V OUT M4	4 +V OUT M4
11 DO NOT USE	5 DO NOT USE
12 DO NOT USE	6 DO NOT USE

- \* For output M1, J1-1 is positive while J1-7 is negative
- \* For output M2, J1-2 is positive while J1-8 is negative
- \* For output M3, J1-3 is positive while J1-9 is negative
- \* For output M4, J1-4 is positive while J1-10 is negative
- \* For this 12 pin Molex connector, use Molex mating receptacle #39-01-2120 with #39-00-0039 terminals provided.
- \* Attach terminals to 18-24 AWG stranded wire using Molex tool #11-01-0197.



**Two Output**



**Three Output**

- 2 output FlexPACs have outputs M3 and M4 depopulated
- 3 output FlexPACs have output M4 depopulated
- If an output is depopulated there will be no output and the corresponding LED will be OFF

**How to Adjust:**

- To increase the voltages turn the individual trimpot clockwise
- To decrease the voltage turn the trimpot counter clockwise.

**LED Status Indicator:**

- Green LED denotes output voltage within range.
- Red LED denotes one of the following faults:
  - \* Over Voltage
  - \* Under voltage
  - \* Over temperature
- No LED visible when an output is depopulated

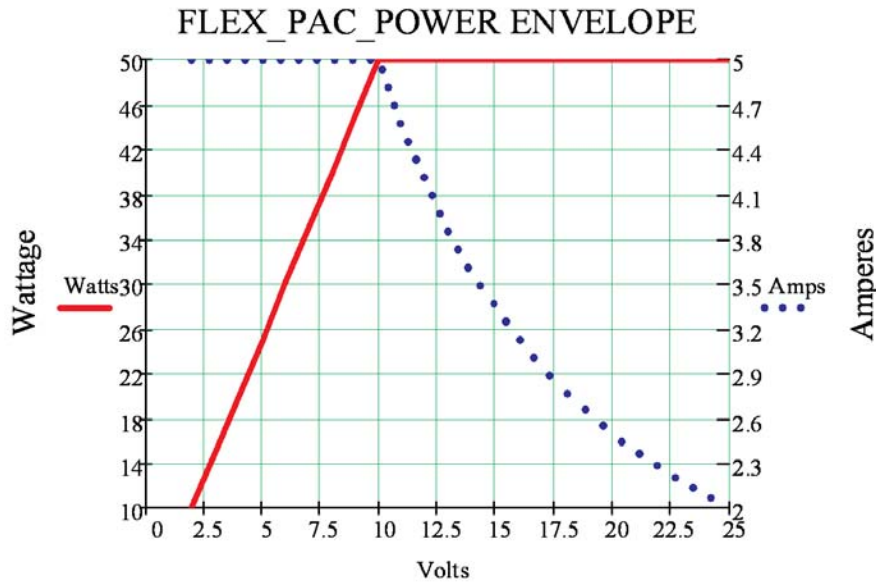
**Enable/Disable:**

The entire assembly will be enabled and disabled through the MegaPAC E/D and GSD function. Outputs cannot be individually enabled or disabled.

**Start-up Sequencing:**

Specific start-up sequences for an individual FlexPAC's outputs may be implemented in the FlexPAC hardware by special order. Please contact factory for details

**VOLTAGE VS. CURRENT OUTPUT CAPABILITIES**



FlexPAC Power Envelope

The graph shows output voltage plotted against output current and wattage. From the graph the full 5A is available upto 10 Vdc. After this threshold has been reached, the available current decreases as output voltage increases to maintain a 50W maximum available power. (DO NOT EXCEED 50W ON ANY OUTPUT CHANNEL)

**Part Numbering**

Fxxaaa-bbb-ccc-ddd

Where

- F = FlexPAC
- xx = two alpha characters denoting base pack variations
  - SS = short chassis standard start up
  - SL = short chassis sequenced start up
  - SP = short chassis command parallel
- aaa = voltage setting for output 1. An implicit factor of 10 is included. E.g. if aaa = 053, the voltage is set to 5.3V
- bbb = voltage setting for output 2
- ccc = voltage setting for output 3
- ddd = voltage setting for output 4

FSS103-205-033-000 is a short chassis standard start up FlexPAC with 3 outputs set at 10.3V, 20.5V, and 3.3.V

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### FlexPAC Connector kit

Output connector kits (optional) for use with the FlexPAC is available for purchase from Westcor:

	<b>Part Number</b>
FlexPAC	19-130065

<b>CONNECTOR KIT FOR FLEXPAC - 19-130065</b>				
<b>ITEM</b>	<b>QTY</b>	<b>DESCRIPTION</b>	<b>VENDOR # 1</b>	<b>PART NO.</b>
1	1	HOUSING 12 POS.165 CTR W/LATCH	MOLEX	39-01-2120
2	12	TERMINAL FEM CRIMP 18-24 AWG TIN	MOLEX	39-00-0039
**		CRIMP TOOL FOR ITEM 2	MOLEX	11-01-0197
** ITEMS FOR REF ONLY (NOT INCLUDED IN KIT)				

### FlexPAC Connector kit Listing

For more details about any Westcor products, contact the factory at 1-800-735-6200 or go to our website at

[www.vicorpower.com](http://www.vicorpower.com)

