

FLATPAQ Connector Layout

FAX TO ELCON AT (510) 490-3740

Use this sheet to specify the desired connector layout. Please copy this sheet prior to completion to allow reuse.

INSTRUCTIONS

- Indicate the connector layout by filling in the FP number of each module required in the boxes below, one per box. Use one form per mated pair.
- The left to right order of the modules should match the **mating face views** of the connector. **When laying out right angle assemblies, make sure that you look at the mating face with the termination tails facing downwards.**
- For **solder terminated assemblies**, indicate the tail length for each half of the connector and whether the retentive feature is required using the checkboxes to the right of the layout grid.

Upon receipt of this form, Elcon will generate a Customer Use Drawing for you to check and approve prior to connector production.

Write the "FP" numbers to indicate the layout of one half of the connector assembly, matching the left to right order with the mating face view of the connector (right angle assembly tails facing downwards).

FP	FP	FP	FP	FP	FP	FP	FP	FP	FP	FP	FP	FP	FP	FP	Solder tail options	
															<input type="checkbox"/> .062" thick board	<input type="checkbox"/> .125" thick board
															<input type="checkbox"/> .093" thick board	<input type="checkbox"/> Retentive feature

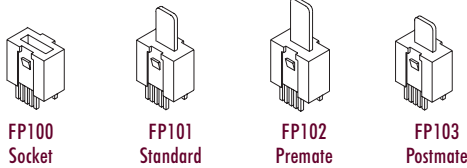
Write the "FP" numbers to indicate the layout of the mate to the above assembly, matching the left to right order with the mating face view of the connector (right angle assembly tails facing downwards).

FP	FP	FP	FP	FP	FP	FP	FP	FP	FP	FP	FP	FP	FP	FP	Solder tail options	
															<input type="checkbox"/> .062" thick board	<input type="checkbox"/> .125" thick board
															<input type="checkbox"/> .093" thick board	<input type="checkbox"/> Retentive feature

SOLDER TERMINATED MODULES

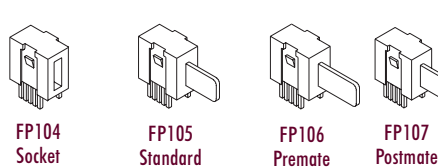
STRAIGHT TAILS

250V Power Modules

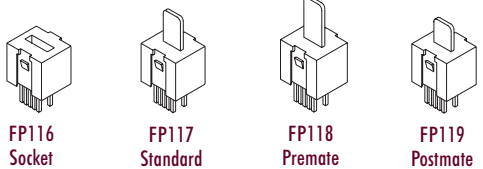


RIGHT ANGLE TAILS

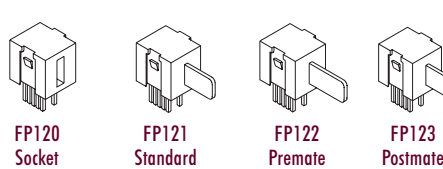
250V Power Modules



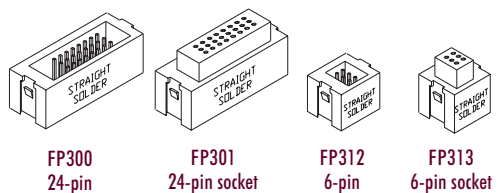
600V Power Modules



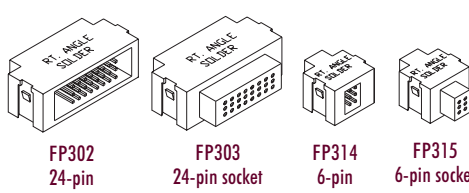
600V Power Modules



Signal Modules



Signal Modules



SOLDER TAIL OPTIONS

The following options are available when specifying solder terminated assemblies. Indicate these options by marking the check-boxes to the right of the connector layout grid.

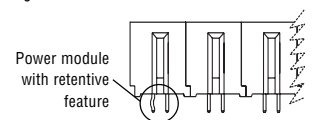
Tail length

Solder tails are available in 3 lengths. Select depending on board thickness and mounting style (straight or right angle assembly). See table below or, for more details, refer to TERMINATION OPTIONS at the bottom of next page.

Board Thickness	Straight Tails	Right Angle Tails
.062"	.115" (2.92mm) Nominal	.115" (2.92mm) Nominal
.093"	.143" (3.6mm) Nominal	.177" (4.5mm) Nominal
.125"	.177" (4.5mm) Nominal	.177" (4.5mm) Nominal

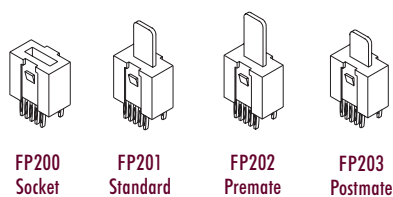
Retentive feature

Consists of precisely formed solder tails on the contacts of the outermost power modules of the assembly, as shown in the drawing below.

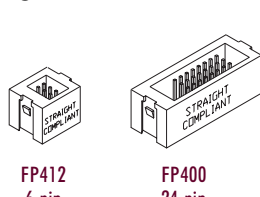


PRESS-FIT TERMINATED MODULES For 0.093" or thicker boards

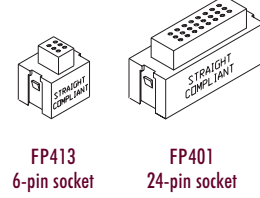
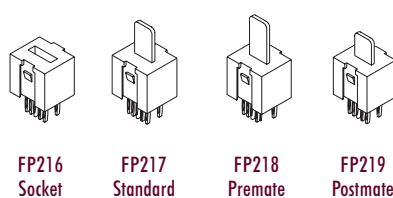
250V Power Modules



Signal Modules



600V Power Modules



OTHER MODULES

Mounts



FP500 Left flange mount



FP501 Right flange mount

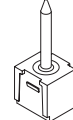
Guides



FP502 Straight passive guide socket



Right angle guide sockets
FP506 Passive
FP516 Active



Straight guide pins
FP503 Passive
FP515 Active, M3
FP517 Active, 4-40



FP507 Right angle passive guide pin

Spacers (without contacts)



FP511 Straight 250V spacer



FP512 Right angle 250V spacer



FP513 Straight 600V spacer



FP514 Right angle 600V spacer