

Matrix for the Dell Latitude D630 Laptop - Keyboard Part Number DP/N 0DR160

FPC Pin #	19	20	21	22	23	24	25	26	27
2		Insert		F12				Arrow-Right	
3		Delete		F11				Arrow-Down	
4	Arrow-Up	Home	Menu	End			Pause	Arrow-Left	
5		F8	F7	9	O	L	Period		
6	Quote	Minus	[0	P	;		/	
7	F6	Equal]	8	I	K	Comma		
8	H	6	Y	7	U	J	M	N	
9	F5	F9	Back-Space	F10		\	Enter	Space	
10	G	5	T	4	R	F	V	B	
11	F4	F2	F3	3	E	D	C		
12		F1	Caps-Lock	2	W	S	X		
13	Esc	Back-Tick	Tab	1	Q	A	Z		
14	Alt-L			Print-Screen	Num-Lock			Alt-R	
15			Shift-L				Shift-R		
16		Cntrl-L					Cntrl-R		
17				GUI	Page-Up	Page-Down			
18						Fn			
31				Vol-Down		Vol-Up	Mute		
33									Power-Switch

The end of the FPC cable measures 0.54mm thick instead of the normal 0.33mm due to the special requirements of the Dell removable connector. For the cable to fit in a generic FPC connector, the thick plastic backing strip was pulled off. The raw FPC cable measures 0.14 mm thick but with 2 pieces of paper from a "stick-up" pad, the total thickness is 0.32mm. I also had to trim the side of the cable next to pin 1 to make the traces align with the connector pins. Pin 1 and 34 have no trace on the cable. There are 3 LEDs on the keyboard that I believe are connected to pins 28, 29, and 30. The power switch has its own dedicated pins which could be separated from the keyboard controller and wired directly to a power control circuit. Besides the volume controls, power switch and diodes, the rest of the matrix is the same as the Dell 131L.