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.