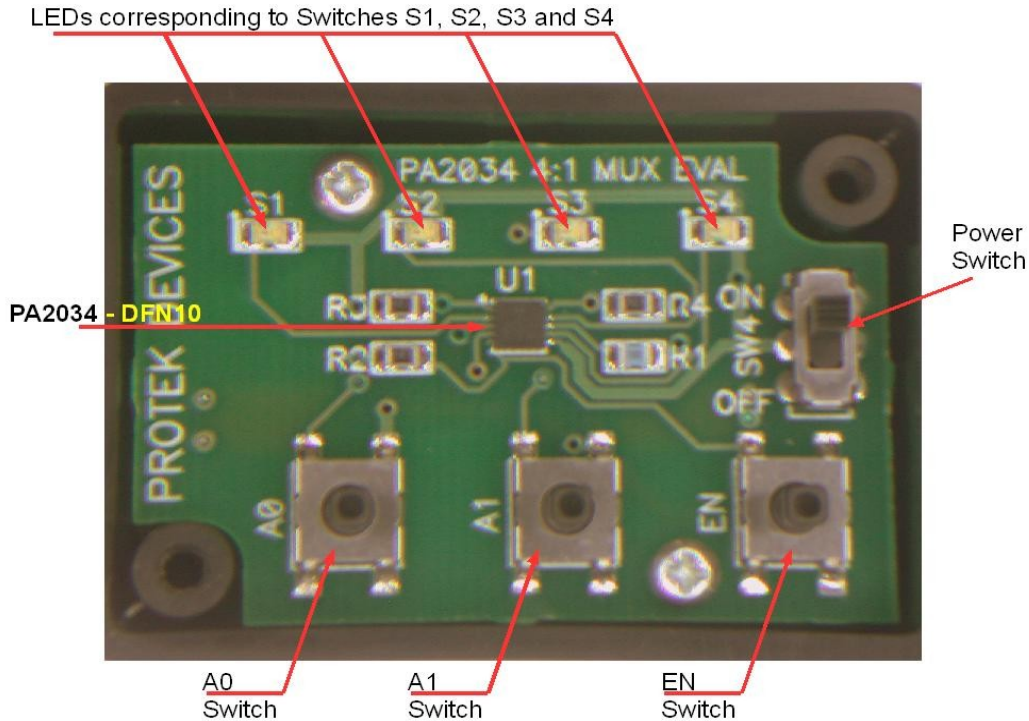


Application notes on PA2034 Evaluation Board.

Description of the Module:



The PA2034 is a low voltage, low Ron single 4:1 multiplexer. It is rated for a maximum VCC of 5V and has a low profile 3x3mm DFN10 package. The evaluation board for PA2034 explains how the 4:1 Multiplexer works.

1. A0 and A1 are the Logic control switches for selecting internal switches of PA2034. On the board, they are pulled HIGH by default.
2. EN is the Enable switch pin for PA2034. When EN is pulled LOW, the PA2034 stops working.
3. Switch SW4 is the On/Off control for the Power Supply to the PA2034 Evaluation Board.
4. S1, S2, S3&S4 are the LEDs indicating the four switches S1, S2, S3&S4 respectively.

Operational Truth Table and description of the evaluation board:

A0	A1	EN	LED
X	X	0	None
1	1	1	S4
0	1	1	S3
1	0	1	S2
0	0	1	S1

- When the SW is turned ON, LED S4 will glow. This is the “1-1” condition for A0 and A1.
- When switch A0 is pressed, S4 turns OFF and S3 turns ON
- When switch A1 is pressed, S3 turns OFF and S2 turns ON
- When both A1 and A0 are pressed, LED S1 turns ON.
- When EN is pressed, none of the LEDs will glow no matter what the status of A0 and A1 are.