

Application Note:

Differences in XPort[™](-03) Reset Pin Characteristics

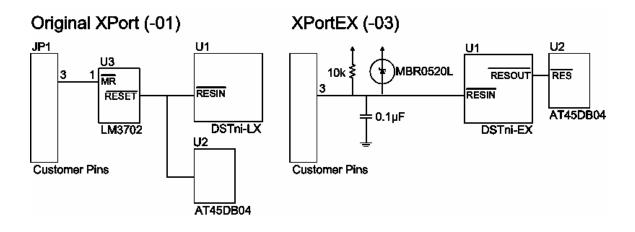
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Overview

The reset pin on XPort (-03) has slightly different characteristics than the XPort (-01). The circuitry inside XPort is different in each of these designs. XPort-01 is DSTni-LX based and uses a separate reset supervisor IC. The XPort-03 uses the DSTni-EX and utilizes the reset function built into the EX chip. The EX chip requires a few discrete components on its input reset line. Since components in your design may utilize the Reset signal, it is important that you are aware of these differences.

Schematic Differences

The following diagram illustrates the difference between the (-01) and (-03) XPorts:



Note: The LM3702 MR in the XPort (-01) has an internal pull-up resistor of approximately 56k Ω .

Parameter Differences

Parameter	XPort (-01)	XPort (-03)
Low Maximum	0.8 V	0.36 V
High Minimum	2.0 V	1.4 V
Vcc Reset Threshold	3.08 V	2.7 V
Timeout	200 ms	164 ms
Pull-Up	56k Ω	10k Ω

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