

# Application Note:

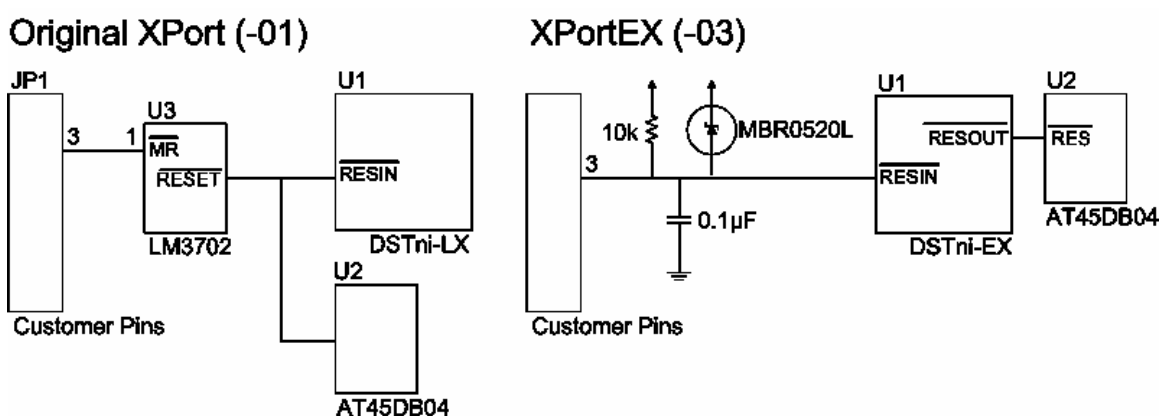
## *Differences in XPort™(-03) Reset Pin Characteristics*

## 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  $\Omega$ .

## 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 $\Omega$	10k $\Omega$