PCN 16_0010

AD8280 Metal Mask Revision and Data Sheet Specification Change

Detail of changes to Data Sheet Specifications:

1. Fault Detection (Deglitch) Time Range: All seven settings are reduced.
   From   0.0s,   0.1s,   0.8s,   1.6s,   3.2s,   6.4s,   and 12.8s.
   To   0ms,   80ms,   625ms, 1.25s,   2.5s,   5.0s,   and 10.0s.

2. Self-Test Completion Time (t_{ST}), Deglitch OFF.
   From 40/50 ms (min/max).
   To 15/25 ms (min/max).

3. Self-Test Completion Time (t_{ST}), Deglitch ON.
   From 800/1000 ms (min/max).
   To 650/1000 ms (min/max).

4. Self-Test Valid Time (t_{STV}).
   From 0.0/3.5 us (min/max).
   To 0.0/2.0 us (min/max).

5. Delay Time for Self-Test Start (t_{RE}).
   From 10/100 ns (min/max).
   To 6.0 us (min).
   ADI has redefined this parameter for clarification purposes. t_{RE} is now defined as the minimum time the user must wait until the part is guaranteed to be in Self-Test mode. See Application Notes in the data sheet for further information.

6. Delay Time for Data Valid (t_{FE}).
   From 4.0/5.0 us (min/max).
   To 6.0 us (min).
   ADI has redefined this parameter for clarification purposes. t_{FE} is now defined as the minimum time the user must wait until the part is guaranteed to have finished Self-Test and the alarm data is valid again. See Application Notes in the data sheet for further information.