

TDR of SN75DP130 EVM Failing 100 Ohm +/-10%

TDR of SN75DP130 EVM shows impedance high of 106.7 Ohm and low at 74.3 Ohm, exceeding 100 Ohm +/-10%. The low of 74.3 Ohm occurs at the SN75DP130. TDR was measured on SN75DP130 EVM output side. Is this the expected impedance profile of SN75DP130 package/die ?

Test Equipment: Tek CSA8000 with 80E04 TDR Module. Filter risetime set to 130ps.

Setup: CSA8000 ↔ 6-Inch SMA Cables ↔ Wilder DP-TPA-P Test Fixture ↔ SN75DP130 EVM OUTPUT

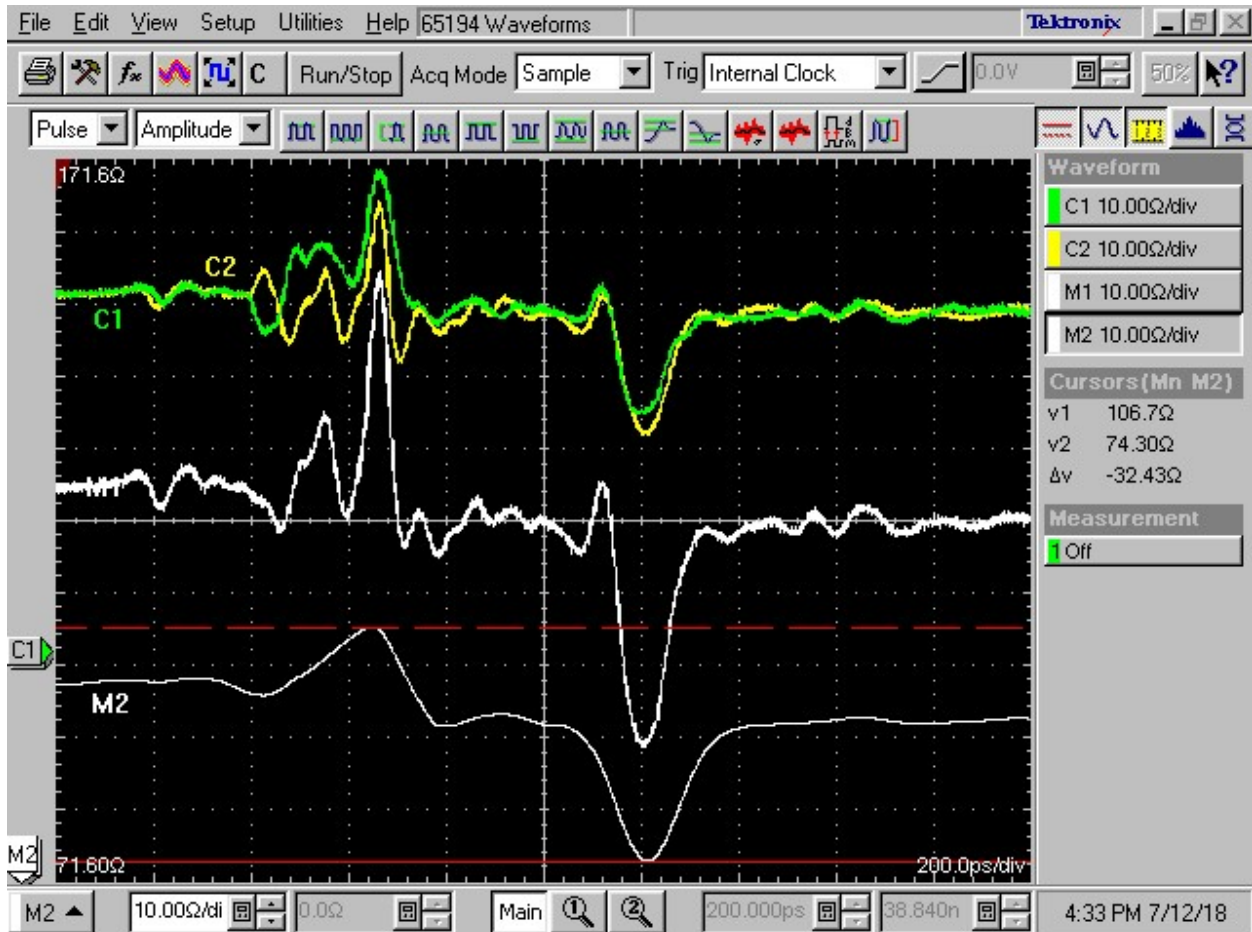
TDR Plot:

C1: Tx Lane 0 P

C2: Tx Lane 0 N

M1: C1 + C2, No Filter.

M2: C1 + C2, Filter Risetime 130 ps.



Filter Risetime Setting:

