



Figure 3 DSO-TDR and -TDT alignment is a three-step process: Observe the TDR signal from open cables. Then, adjust the relative true/complement time to align the signals at cable connectors A and B. Note that this adjustment compensates for only half of the TDR-time mismatch because the observed signals have traversed the cables twice. If you use TDR to generate S_{11} plots, adjust the remaining TDR-time offset at the TDR receivers. After transmission alignment, use short barrel adapters to connect A to B and C to D. Use Channel 4's and Channel 3's skew control to adjust C-3 and D-4.