

Errata for “Right The First Time, A Practical Handbook on High Speed PCB and System Design,” Volume 1.

Page 16. third paragraph, “used care salesman” should read “used car salesman”.

Page 23. The sixth bullet should read “ideal signal inputs”.

Page 49, Table 16.1

The last two lines of the table were scrambled. They should read:

	Er	in/nSEC	pSEC/in
Alumina	9.0	3.90	256.0
Water	73.0	0.4	2200

Page 53, references to Figure 17.3 on page 52:

The EM field whose voltage is 3.3V, 2 nanoseconds later, T₂ (should be T₁)

All subsequent T subscripts are one too big

The location of both the T₃ label and the falling transition on the orange curve (load) should be 2ns after the T₂, not >2.5ns

Page 55. last paragraph, first line, “C0” should be “C1”.

Page 80. Equation 23.3 should read:

$$Z_0 = \frac{79}{\sqrt{\epsilon_r + 1.41}} \ln\left(\frac{5.98H}{0.8W + T}\right)$$

Page 84. 1st sentence: Equation 23.2 should read Equation 23.3

Page 90. Last paragraph, first sentence: Trace 24 and 25 should read Trace 24 & 26.

Page 98. Last paragraph: Figure 26.3 should read Figure 27.1

Page 114. RS-232 is not a differential standard, it is single ended.

Page 123 In Table 32.1 the bottom right value reads 1.5 mohms. Is should read 2 mohms.

Page 130 Equation 33.3 should have the number 20 added after ln (ln20)

Page 131 In the second paragraph 106 mohm should read 106mW

Page 133 in Figure 34.3 ERL should read ESL

Page 144. last paragraph: “Zo of 50 W” should read “Zo of 50 ohms”

Page 144 At the end of the first paragraph reference is made to Figure 32.4. It should read 32.5

Page 145. last paragraph: Figure 35.6 should read Figure 35.7

Page 146. the second equation is missing the operand for the natural logarithm. It should be 0.25

Page 149. first paragraph: “dived” should be “divided”.

Page 153. last paragraph: “50W load line” should read “50 ohm load line”

Page 166. Second paragraph, first sentence, the word “smaller” should be “larger”.

Page 205 In the section regarding water absorption, the .02% should read 0.2% in two places.