LIST OF FIGURES*

SECTION I

SECTION II

Figure 2.1 Historical View of Moore’s Law................................................................. 8

SECTION III

Figure 3.1 Typical Arrayed Waveguide Grating......................................................... 12
Figure 3.2 Evolution of Photonic Integration.............................................................. 13
Figure 3.3 Network Operator 100G Deployment Timelines........................................ 14
Figure 3.4 Worldwide FTTH Deployment Forecast (Households, 2005-2012)............. 15
Figure 3.5 JDSU’s Integrated Laser Mach Zehnder................................................... 16
Figure 3.6 Schematic Drawing of Infinera Transmitter & Receiver PICs...................... 17
Figure 3.7 Public Optical Integration Companies – Where Are They Now?.............. 19
Figure 3.8 Private Optical Integration Companies – Where Are They Now?............. 19

SECTION IV

Figure 4.1 Diagram of Intel Hybrid Silicon Laser..................................................... 22
Figure 4.2 Diagram of Future Integrated Terabit Silicon Optical Transmitter.............. 22
Figure 4.3 Luxtera 40G Active Optical Cable Applications........................................ 23
Figure 4.4 CMOS Processing Technology Evolution............................................... 25
Figure 4.5 Lithium Niobate Modulator vs. Silicon Photonics Integrated Modulator.. 25
Figure 4.6 "Traditional" Silicon Photonics MZI Structure......................................... 26
Figure 4.7 Lightwire SISCAP CMOS Photonics MZI Structure............................... 27

SECTION V

Figure 5.1 JDSU Revenue and Profit Figures, 2003-2007.......................................... 33
Figure 5.2 Lightwire LSM1085 10G LRM SFP+ Module........................................... 36
Figure 5.3 NEL Revenue Breakdown by Product Line (2007)................................. 40

* All charts and figures in this report are original to Heavy Reading, unless otherwise noted.