Appendix A: AM2900 Source Code

Appendix B: AM2900 Package

Appendix C: AM2900 TestBench #1

Appendix D: AM2900 TestBench #2

Appendix E: AM2900 Synthesis Code

Appendix F: AM2900 TestBench #1 Result

Appendix G: AM2900 TestBench #2 Result