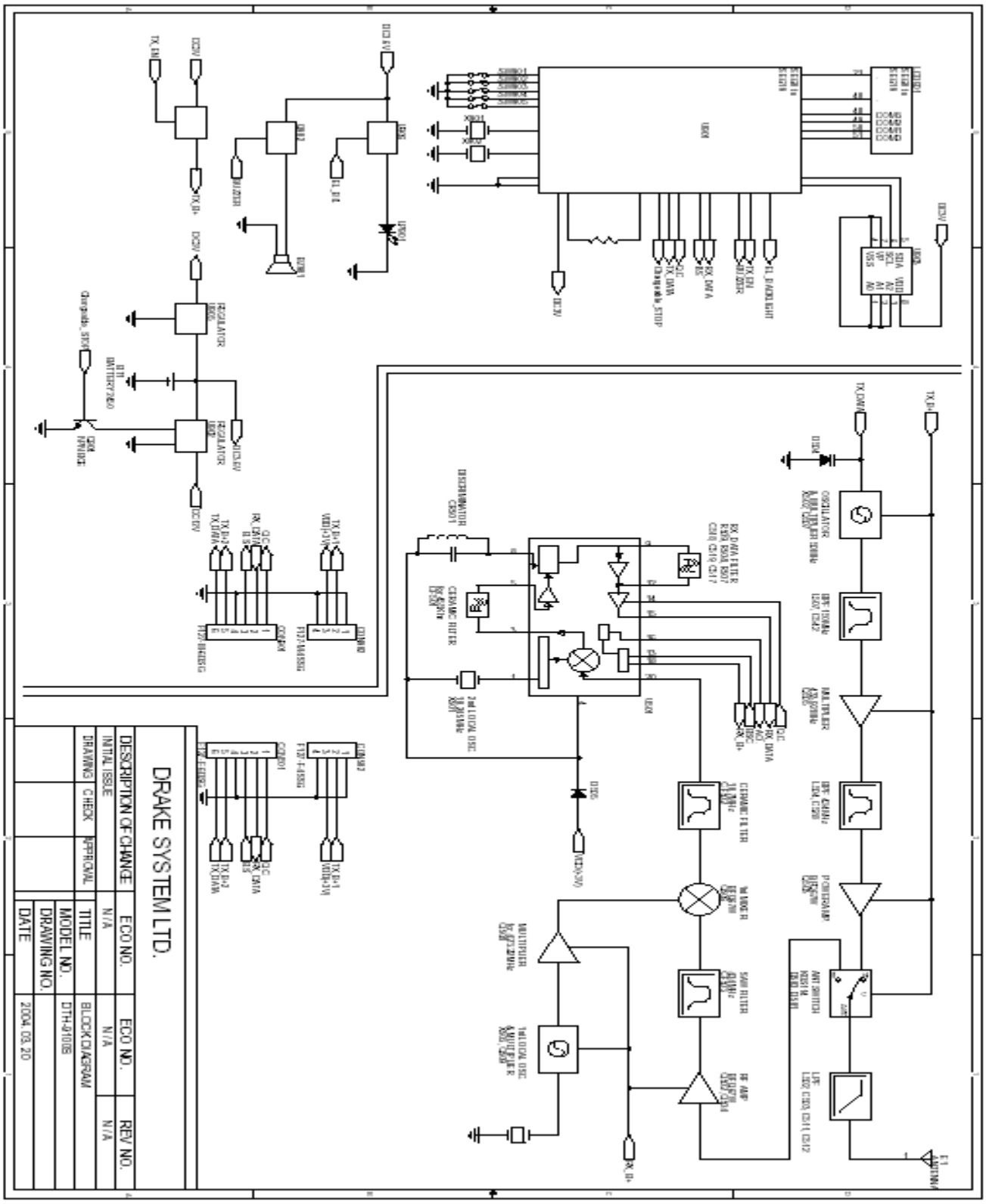Appendix 5. Block Diagram