

Foreword

Advanced IBM technology has resulted in increased use of solid state circuitry in data processing equipment. This manual contains information about the available Standard Modular System component circuit cards, the way they are packaged, and the logic block representation used for each. The component circuit cards are described in such a way that this manual may aid in learning the circuitry of any equipment using these standard component cards.

The manual assumes that the reader has a basic background in transistor fundamentals and electronic circuits. Information is presented from the standpoint of the circuit understanding required for servicing, and not from the standpoint of circuit design. When design information is considered necessary, it is included. All the material included was prepared from information relative to production at a given level. Engineering changes may alter exact timings, voltages, logic blocks or component values; therefore the customer engineer is advised not to use this information alone as a reference manual or service aid.

The text is divided into five general sections all relating to the component circuit cards.

The first section (page 5) contains a brief introduction to the manual, its organization and purpose.

The second section (pages 6-11) contains information on the Standard Modular System of packaging used in new data processing equipment. Description, nomenclature and location numbering are detailed for both the Module I and Module II type of building block packaging and the standard component circuit cards.

The third section (pages 12-16) contains information about the Automated Logic Diagrams used in designing and servicing of the data processing equipment.

The fourth and major section (pages 17-179) contains the SMS card descriptions, arranged alphabetically by card code and cap connection.

Finally, the Appendix (pages 180-187) contains cross-reference charts according to part number and function for all SMS cards in the fourth section, and a list of logic symbols used in the automated logic pages.

Pages 189-233 include SMS service information and additional card descriptions.