

**SS3-"TOUCH-TONE®" SELECTIVE
SIGNALING SYSTEM
EQUIPMENT DESIGN REQUIREMENTS
PRIVATE SERVICE SYSTEMS**

1. GENERAL

Scope

1.01 This specification, together with the supplementary information listed herein, covers the equipment design requirements for the framework, equipment, and circuits to be used in the manufacture and installation of the SS3 TOUCH-TONE selective signaling system.

Description

1.02 The SS3 TOUCH-TONE selective signaling system employs TOUCH-TONE frequencies to provide and control signaling between stations in a private or nonprivate mode over a 4-wire private line facility. A maximum of 648 3-digit codes may be assigned to stations associated with the system. A single code may be assigned to one station (station code) or may be associated with any number of stations (group code).

1.03 The signaling and control equipment consists of various 2- by 23-inch mounting plate units equipped with hybrid integrated circuits mounted on AR-type printed wiring boards (Fig. 1 and 2). The type and number of units required depend on the kind of service (nonprivacy or privacy) and the number of codes and stations desired. (See Table A.)

1.04 A packaged arrangement which provides all the necessary SS3 and 4-wire terminating and station equipment for either a 4-station nonprivacy or privacy system is covered in J1G028.

2. SUPPLEMENTARY INFORMATION

502-532-121—2568HAA Telephone Set—Station System—Identification
502-532-432—Connections

800-600-000—Checking List—General Equipment Requirements

J1G028—811-019-151—Equipment Packages—SS3 TOUCH-TONE Selective Signaling System—Equipment Design Requirements—Private Service Systems

J53045—AA321.035—4-Wire Private Line Terminating and Station Equipment—Station Systems

J58844—809-140-152—TOUCH-TONE Calling Receiver—PBX Systems

3. DRAWINGS

WECO J drawings should be ordered by referring to the prefix and base number and requesting the current dash (—) number.

Circuits

SD-1G265-01—Private Service Systems—SS3 TOUCH-TONE Selective Signaling System

SD-1G282-01—Private Service Systems—SS3 TOUCH-TONE Selective Signaling System—System Application and Interconnection Information for Packaged Units

SD-67027-01—PBX Systems—TOUCH-TONE Calling Receiver

Equipment

ED-1G194-()—Circuit Pack Assembly

ED-69496-()—Circuit Pack

J1G027A-()—Basic Location Unit

J1G027B-()—Auxiliary Code Unit

J1G027C-()—Privacy Station Unit

J1G027D-()—Privacy Location Unit

J1G027E-()—Automatic Clear Unit

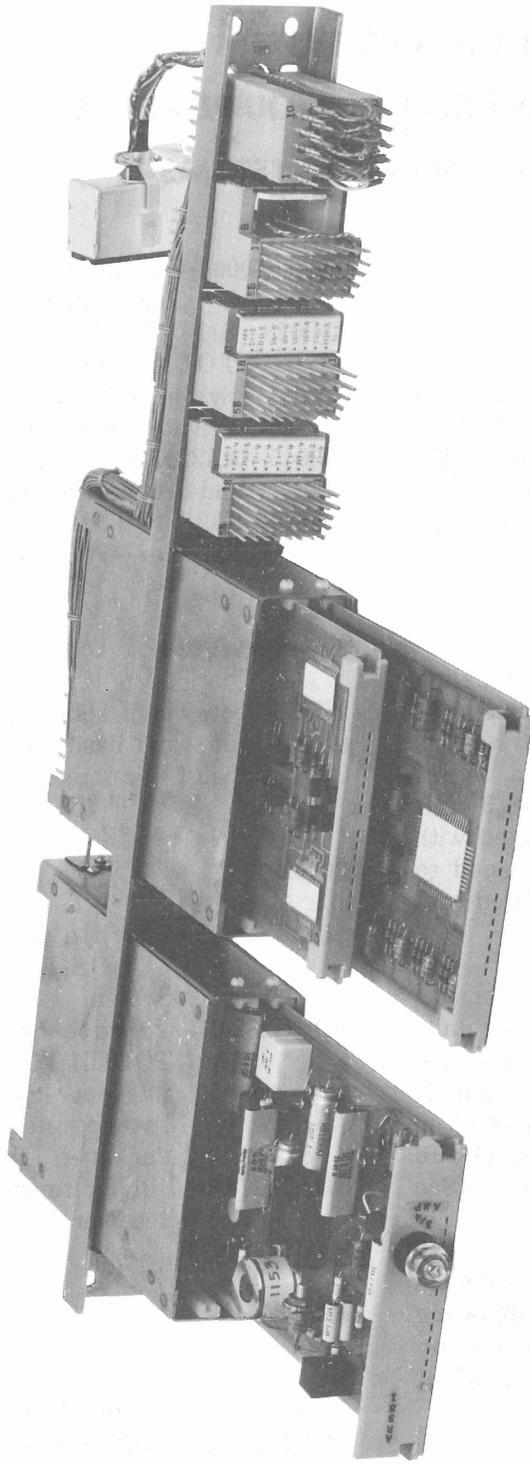


Fig. 1—J1G027A—Basic Location Unit (Circuit Packs Shown Are Partially Removed)

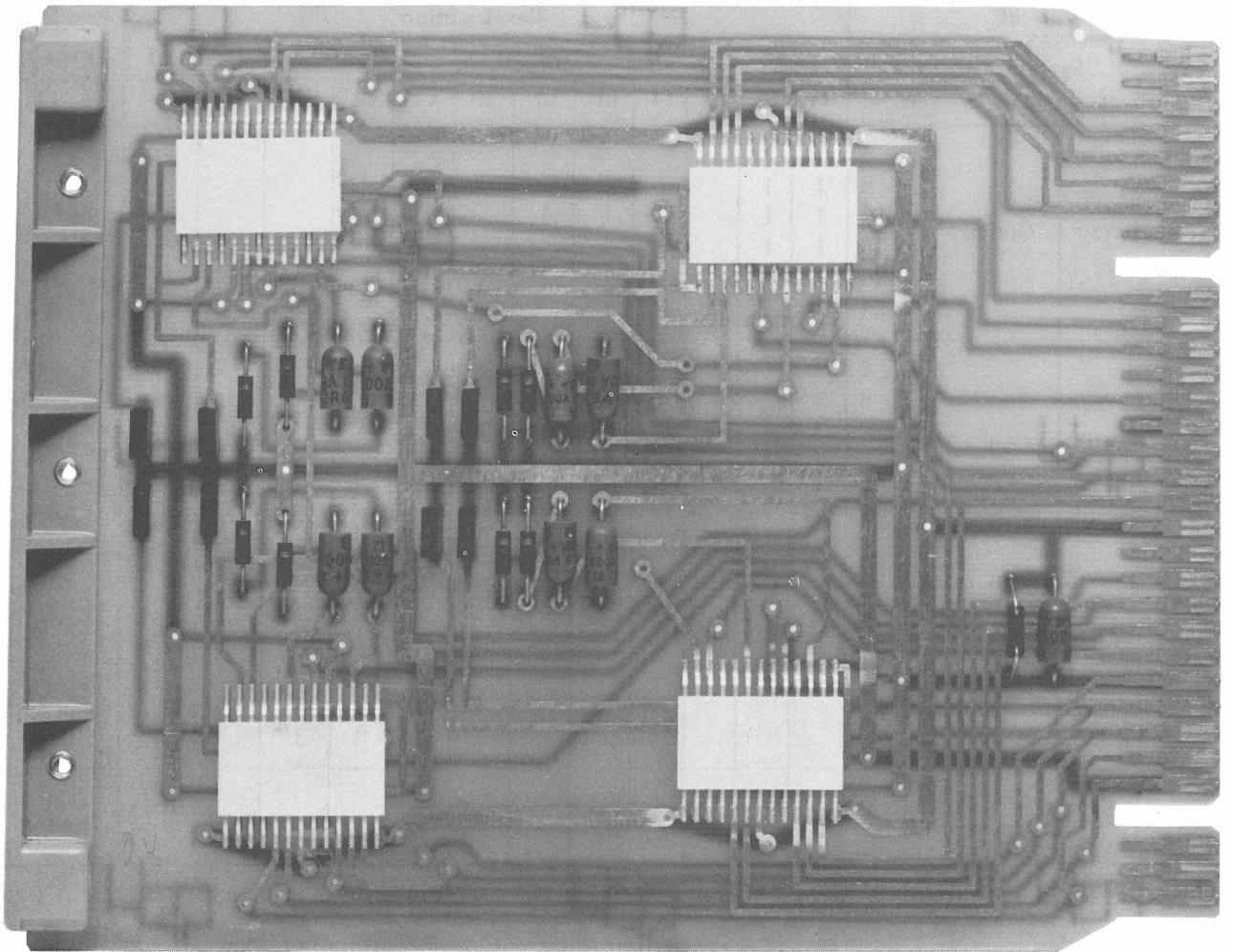


Fig. 2—AR540 Circuit Pack

TABLE A

Type of SS3 System			Equipment Required												
			Per Location											Per System	
			J1G027A*				J1G027B			J1G027C			J1G027D		J1G027E
			L1	L2	L3	L4	L1	L2	L3	L1	L2	L3	L1	L2	L1
Nonprivacy	Codes	4	1	1	1										
		8	1	1		1									
		12	1	1		1	1								
		16	1	1		1		1							
		20	1	1		1	1	1							
		24	1	1		1		2							
Privacy	Codes	4	1		1										
		8	1			1									
		12	1			1	1								
		16	1			1		1							
		20	1			1	1	1							
		24	1			1		2							
	Stations	4							1			1		1	
		8							1	1		1		1	
		12							2	1	1	1		1	
		16							2	2	1	1		1	
		20							3	2	1	1		1	
	24							3	3	1	1		1		
		Privacy Override											1		

* One J58844C-(), List 1 TOUCH-TONE calling receiver is also required for each J1G027A, L1 unit.

4. EQUIPMENT

J1G027A—AT&TCo Std—Basic Location Unit

Equipment—J1G027A-()

List 1—Assembly, equipment, and wiring for one basic location unit per SD-1G265-01, Fig. 1 and 9 (includes AR381 circuit pack).

List 2—One AR537 circuit pack required in addition to list 1 to provide nonprivacy circuits per SD-1G265-01, Fig. 2.

List 3—One AR539 circuit pack required in addition to list 1 to provide 4 code circuits per SD-1G265-01, Fig. 3.

List 4—One AR540 circuit pack required in addition to list 1 to provide 8 code circuits per SD-1G265-01, Fig. 4.

Notes

A. One J58844C-(), List 1 TOUCH-TONE calling receiver is required for each J1G027A, List 1 basic location unit.

J1G027B—AT&TCo Std—Auxiliary Code Unit

Equipment—J1G027B-()

List 1—Assembly, equipment, and wiring for one auxiliary code unit capable of providing a maximum of 16 additional code circuits when used with various combinations of lists 2 and 3.

List 2—One AR539 circuit pack required in addition to list 1 to provide 4 code circuits per SD-1G265-01, Fig. 3.

List 3—One AR540 circuit pack required in addition

to list 1 to provide 8 code circuits per SD-1D265-01, Fig. 4.

J1G027C—AT&TCo Std—Privacy Station Unit

Equipment—J1G027C()

List 1—Assembly, equipment, and wiring for one privacy station unit equipped with 4 station circuits per SD-1G265-01, Fig. 7.

List 2—One AR541 circuit pack required in addition to list 1 to provide 4 additional station circuits per SD-1G265-01, Fig. 7.

List 3—Assembly, equipment, and wiring required to provide additional power when more than 8 station circuits are used (see SD-1G265-01, X option).

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J1G027D—AT&TCo Std—Privacy Location Unit

Equipment—J1G027D()

List 1—Assembly, equipment, and wiring for one privacy location unit per SD-1G265-01, Fig. 5 (includes one AR538 circuit pack which is mounted in the basic location unit, J1G027A).

List 2—One 227D amplifier required for privacy override per SD-1G265-01, Fig. 8.

J1G027E—AT&TCo Std—Automatic Clear Unit

Equipment—J1G027E()

List 1—Assembly, equipment, and wiring for one automatic clear unit per SD-1G265-01, Fig. 6.