

TECHNICAL MANUAL

DIRECT SUPPORT AND GENERAL SUPPORT

MAINTENANCE MANUAL

AUTOMATIC TELEPHONE CENTRAL OFFICES

AN/TTC-38(V)1

AND

AN/TTC-38(V)2

This copy is a reprint which includes current
pages from Change 1.

CHANGE }
No.1 }

HEADQUARTERS
DEPARTMENT OF THE ARMY
Washington, D C, 1 Jun 1983

**Direct Support and General Support
Maintenance Manual
AUTOMATIC TELEPHONE CENTRAL OFFICES
AN/TTC-38(V)1(NSN 5805-00-186-0681)
AND AN/TTC-38(V)2(5805-00-186-0640)**

TM 11-5805-628-34-7/NAVELEX 0867-LP-462-8100, 20 January 1875, is changed as follows:

1. Remove old pages and insert new pages as indicated below. New or revised material is indicated by a vertical bar in the margin of the page. Title of manual is changed as shown above.

<i>Remove</i>	<i>Insert</i>
109 and 110.....	109 and 110
161 through 164.....	161 through 164
175 and 176.....	175 and 176
209 and 210.....	209 through 210.1/(210.2 blank)
231 and 232.....	231 and 232
241 and 242.....	241 and 242

2. File this change sheet in front of the publication.

By Order of the Secretary of the Army, the Navy and the Air Force:

Official:

E. C. MEYER
*General, United States Army
Chief of Staff*

ROBERT M. JOYCE
*Major General, United States Army
The Adjutant General*

G. B. SHICK
*Rear Admiral, United States Navy
Commander, Naval Electronic
Systems Command*

Distribution:

To be distributed in accordance with Special List.

TECHNICAL MANUAL
NO.11-5805-628-34-7
TECHNICAL MANUAL
NAVELEX 0867-LP-462-8100 }

DEPARTMENTS OF THE ARMY
AND THE NAVY

WASHINGTON, D C, 20 January 1976

DIRECT SUPPORT AND GENERAL SUPPORT MAINTENANCE MANUAL

AUTOMATIC TELEPHONE CENTRAL OFFICES

AN/TTC-38(V)1 AND AN/TTC-38(V)2

There are seven manuals in this series. Each manual has separate contents.

	Paragraph	Page
CHAPTER 12	SIGNAL STRING LIST AND PIN LOCATION TABLE	
	General.....	12-1 1
	Signal string list, functional assignment control panel(FACP) A7	12-2 3
	Signal string list, central processor A8, A9	12-3 38
	Pin location table, functional assignment control panel(FACP) A7.....	12-4 189
	Pin location table, central processor A8, A9	12-5 209

CHAPTER 12

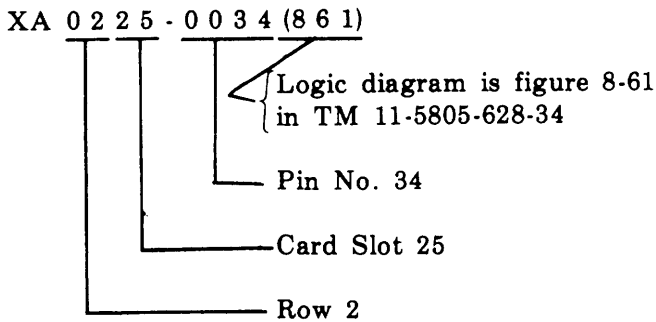
SIGNAL STRING LIST AND PIN LOCATION

12-1. General/

This chapter contains signal string lists and pin location tables for Functional Assignment control Panel (FACP) A7 and Central Processor A8 and A9.

a. *Signal String List.* This list identifies all points to which signals are connected and identifies related logic diagrams. The list is arranged in alphanumerical order by signal name (NET NAME column). Listed below are abbreviations used in the list:

- (1) -following a signal name identifies inverted logic.
- (2) R indicates return.
- (3) T indicates twisted pair.
- (4) J indicates jack type connector.
- (5) XA indicates circuit card type connector followed by row, slot, pin reference designator, and abbreviated figure reference; for example:



(6) *identifies the connection which is the source of the signal. All connections without *are driven by this source.

b. *Pin Location Table.* This list identifies signal sat connect or and circuit card pins. The list is arranged in alphanumerical order by reference designator.

(1) Abbreviations.

- (a) -indicates inverted signal logic.
- (b) R indicates return.
- (c) J indicates jack type connector.
- (d) XA. indicates circuit card connector.

First two digits indicate row; last two digits indicates slot in row; for example, XA 0245 indicates connector for circuit card in row 2, slot 45.

(e) *In the PIN NO. column indicates multiple connections exist at identified pin.

(2) *Card types.* The characters listed below circuit card connect or reference designators are card type numbers. The following list relates card type numbers to part numbers which identify the card:

<i>Type No.</i>	<i>Part No.</i>
C82	SM-C-742252
D40-10	SM-C-742229
FXO-10	SM-C-742806
G20-10	SM-C-742258
G40-10	SM-C-742239
G54-10	SM-C-742240
G84-10	SM-C-742241
GG4-11	SM-C-742581
HTT-10	SM-C-742612
RH4-09	SM-C-742714
RH4-10	SM-C-742266
SA3-09	SM-C-742800
TOP-03	SM-C-742228
T32-03	SM-C-742266
T32-04	SM-C-742277
T32-06	SM-C-742801
X14-10	SM-C-742527
188C I/O AMPC	SM-C-743146
01103-10	SM-C-742242
01106-10	SM-C-742243
01117-10	SM-C-742244
01121-10	SM-C-742246
01139-10	SM-C-742246
01182-10	SM-C-742231
01220-10	SM-C-742232
01221-10	SM-C-742233
01222-10	SM-C-742236
01246-10	SM-C-742257
01251-10	SM-C-742236
01251-11	SM-C-743384
01252-10	SM-C-742237
01252-11	SM-C-742327
01252-12	SM-C-742686
01253-10	SM-C-742247
01401-10	SM-C-742250
01402-10	SM-C-742248

12-2. Signal String List, Functional Assignment Control Panel (FACP) A7 - continued

ASSY REF DES = FACP				• REV		SHEET	2
SOURCE WIRE LIST =				• CODE IDENT 04655			
PIN LOCATIONS (DRAWING NUMBER REFERENCE)				*≡OUTPUT		NET NAME	T
XA	0136-0021(874)	XA	0138-0035(874)*			A1CNTR	
XA	0137-0026(874)*	XA	0138-0034(874)			A1CNTR-	
XA	0125-0009(865)	XA	0230-0039(865)*			BBF	
XA	0230-0038(865)*					BBF-	
XA	0221-0032(876)	XA	0221-0009(876)	XA	0246-0009(876)*	BLNKDRO	
XA	0120-0035(868)*	XA	0123-0008(869)			BUS0	
XA	0121-0001(868)*	XA	0121-0016(868)*	XA	0120-0034(868)	BUS0-	
XA	0224-0026(868)						
XA	0120-0023(868)*	XA	0121-0002(868)			BUS0A	
XA	0120-0017(868)*	XA	0121-0019(868)			BUS0B	
XA	0120-0037(868)*	XA	0123-0010(869)			BUS1	
XA	0121-0004(868)*	XA	0121-0017(868)*	XA	0120-0036(868)	BUS1-	
XA	0224-0008(868)						
XA	0120-0003(868)*	XA	0121-0005(868)			BUS1A	
XA	0120-0001(868)*	XA	0121-0018(868)			BUS1B	
XA	0120-0039(868)*	XA	0123-0011(869)			BUS2	
XA	0121-0006(868)*	XA	0121-0039(868)*	XA	0120-0038(868)	BUS2-	
XA	0224-0014(868)						
XA	0120-0007(868)*	XA	0121-0007(868)			BUS2A	
XA	0120-0022(868)*	XA	0121-0038(868)			BUS2B	
XA	0230-0024(865)	XA	0132-0008(868)*	XA	0123-0007(869)	BUS3	
XA	0121-0021(868)*	XA	0121-0008(868)*	XA	0132-0006(868)	BUS3-	
XA	0230-0002(865)	XA	0224-0035(868)				
XA	0120-0005(868)*	XA	0121-0012(868)			BUS3A	
XA	0120-0024(868)*	XA	0121-0023(868)			BUS3B	
XA	0230-0026(865)	XA	0132-0010(868)*	XA	0123-0009(869)	BUS4	
XA	0132-0009(868)	XA	0230-0025(865)	XA	0224-0001(868)	BUS4-	
XA	0121-0037(868)*	XA	0121-0010(868)*				
XA	0120-0012(868)*	XA	0121-0011(868)			BUS4A	
XA	0120-0026(868)*	XA	0121-0036(868)			BUS4B	
XA	0230-0028(865)	XA	0132-0033(868)*	XA	0123-0031(869)	BUS5	
XA	0132-0032(868)	XA	0230-0027(865)	XA	0224-0005(868)	BUS5-	
XA	0121-0013(868)*	XA	0121-0024(868)*				
XA	0120-0010(868)*	XA	0121-0014(868)			BUS5A	
XA	0120-0029(868)*	XA	0121-0025(868)			BUS5B	
XA	0132-0030(868)*	XA	0123-0033(869)			BUS6	
XA	0132-0034(868)	XA	0121-0027(868)*	XA	0121-0030(868)*	BUS6-	
XA	0224-0009(868)						