

DATE 03-21-75

MST-1 BOARD DISCRETE WIRE EQUIVALENT LIST SEQUENCED BY NET NUMBER

PAGE 1

PART NO. 55548C2

E.C. NO. 824895

VERSION OCC

SIZE SINGLE

MACHINE 14C3SM15

LOCATION 01A-E1

PIN ID: # - I/O PIN

PLANES: 1-CARD SIDE SHALLOW

WIRE TYPES: YEL-YEL, 3C, AG

NTR-90 CPM TRI-LEAD

*-I/O & LOGIC

2-PRCBP SIDE SHALLOW

TTL-TWIN LEAD WRAP

FTL-SC CPM TWIN LEAD

T-TERMINATING RES.

4-PRCBP SIDE SHALLOW

TH - TWIST PR CONNECT

NTL-SC CPM TWIN LEAD

V-VOLTAGE/GROUND

W-DISCRETE OVERFLOW

FIR-5C CPM TRI-LEAD

CX - CCAx CONNECTOR

NOTES: WIRE LENGTH IS IN TENTHS OF AN INCH. YELLOW WIRE LENGTH INCLUDES WIRE FOR WRAP.

NET NO.	FROM PIN	P L	TO PIN	P L	WIRE TYP	LENTH	FRCPN PIN	P L	TC PIN	P L	WIRE TYP	LENTH	FRCPN PIN	F L	TC	P PIN	F L	WIRE TYP	LENTH
FC272AA2	H4B13	2	T4D06	2	YEL	11.0	FC512AC3	P5E03	N2P13	2	YEL	E.C.	FC731AR2	K5B03	2	K5CC3	2	YEL	4.0
FC272AB2	T4BC7	2	H4D07	2	YEL	10.0	FC512AC4	P5E02	N2C12	1	YEL	E.C.	FC731BC2	J5PC8	2	K4CC3	2	YEL	5.0
FC272AC2	H4BC2	2	T4D10	2	YEL	11.0	FC512AC5	P5E02	S4C13	2	YEL	E.C.	FC731BC6	K3B10	1	K4CC5	1	YEL	4.0
FC272AD2	H4BC9	2	T4D07	2	YEL	11.0	FC512AC6	P4C13	N2E12	2	YEL	S.C.	FC731BE4	K4C10	1	K5CC4	2	YEL	5.0
FC272AE2	T4BC5	2	H4D11	1	YEL	10.0	FC512AC7	P4C10	S5B13	2	YEL	7.0	FC731BH6	K4B1C	2	J5PC9	1	YEL	10.0
FC272AF2	T4B08	2	H4B12	2	YEL	10.0	FC512AC8	P5B10	N2B11	2	YEL	E.C.	FC731BN6	M2B05	2	K4B12	2	YEL	10.0
FC272AG2	T4D12	1	H4B03	2	YEL	11.0	FC512AC9	P5B13	S4C09	2	YEL	S.C.	FC732AC6	K4B13	2	F5C13	1	YEL	7.0
FC272AQ4	H4BC8	2	T4B10	2	YEL	10.0	FC512AF4	K4E08	N3C04	2	YEL	E.C.	FC732AE2	H5B11	2	F5P11	2	YEL	5.5
FC273AJ4	T2BC7	2	V2B02#	2	YEL	5.5	FC711AH2	C5E03	U2B04	1	YEL	15.0	FC732AF6	K3B04	2	P4C12	1	YEL	7.0
FC273AM4	T2BC9	2	V2B04#	2	YEL	5.0	FC711AK2	U2C05	E4CC5	1	YEL	17.0	FC732AH6	M2C05	2	K4E05	2	YEL	7.0
FC273AQ4	T2D11	2	V2B05#	2	YEL	5.0	FC711AM2	U2C05	G2E07	1	YEL	18.0	FC732AR6	P4C11	2	K4E06	2	YEL	12.0
FC273AR4	V2B06#	1	T2D05	2	YEL	5.0	FC711AN6	J4E07	U2E02	2	YEL	19.0	FC732AN6	P4C09	2	K4E07	2	YEL	7.0
FC273BB4	T2D10	2	V2B08#	2	YEL	5.0	FC711BP6	G2E03	U3E12	2	YEL	19.0	FC732AC2	M3C13	2	K4E08	2	YEL	7.0
FC273BC4	T2B10	2	V2B09#	2	YEL	5.0	FC711BZ6	H5B13	U3E05	2	YEL	19.0	FC732AR6	P5B04	2	K4E09	2	YEL	7.0
FC273BE4	V2B10#	2	T2D06	1	YEL	5.0	FC711BH6	G3E02	U2C03	2	YEL	19.0	FC732ALE	K4E05	1	J3E05	1	YEL	5.0
FC273BH4	T2DC7	2	V2B12#	2	YEL	5.0	FC711BZ6	G3E02	U2C03	2	YEL	19.0	FC732BC6	K3C06	1	J3E13	1	YEL	5.0
FC274AJ4	T3D10	2	V2B13#	2	YEL	5.5	FC711AH2	C5E03	U2B04	1	YEL	19.0	FC741AV2	C3E13	2	K4E13	2	YEL	8.0
FC274AM4	T3B12	1	V2D02#	1	YEL	8.0	FC711AK2	U2C05	E4CC5	1	YEL	19.0	FC741AY2	G4E05	2	C2E11	1	YEL	8.0
FC274AQ4	T3B09	2	V2D03#	2	YEL	8.0	FC711AN2	U2C05	G2E07	1	YEL	19.0	FC741AZ2	C3E04	2	J2C13	1	YEL	8.0
FC274AR4	T3B10	2	V2D05#	2	YEL	8.0	FC711BZ2	J3E07	U2C06	2	YEL	19.0	FC741BA2	C2B11	2	J2C05	2	YEL	7.0
FC274BB4	T4DC4	2	V2D06#	2	YEL	8.0	FC711BZ6	J3E07	U2C06	2	YEL	19.0	FC741BB2	J5C12	2	K3C12	2	YEL	9.0
FC274BE4	T3B04	2	V4B01#	2	YEL	7.0	FC712AC2	J3E07	U3E04	2	YEL	19.0	FC741BM2	C3E06	2	K4E11	2	YEL	5.0
FC274BG4	T3D06	2	V4B04#	2	YEL	7.0	FC712AE6	E2C09	U3E02	2	YEL	19.0	FC741BW2	C3B12	2	K4E13	2	YEL	8.0
FC274BJ4	T3D05	2	V4B08#	2	YEL	7.0	FC712AN2	J3E07	U2C06	2	YEL	19.0	FC741BX2	E4CC9	2	K4E07	2	YEL	8.0
FC274BM4	T3B05	1	V4B06#	1	YEL	7.0	FC712BZ6	J3E07	U2C06	2	YEL	19.0	FC741CJ2	G2B09	2	L2C06	1	YEL	6.0
FC275AJ4	T3D11	1	V2D07#	1	YEL	7.0	FC712AH6	E3E03	U2C07	2	YEL	19.0	FC741D05	F2C02	2	K5B10	1	YEL	7.0
FC275AM4	T3D12	2	V2D09#	2	YEL	7.0	FC712AK6	G5B11	U2C07	2	YEL	19.0	FC741E05	C3E05	2	K5B05	2	YEL	6.0
FC275AQ4	T3B11	2	V2D10#	2	YEL	7.0	FC712AN2	U3C07	E2E06	2	YEL	19.0	FC741F05	C2B04	2	K5B04	2	YEL	6.0
FC275AR4	T3B13	2	V2D11#	2	YEL	7.0	FC712BZ6	J3E07	U2C06	2	YEL	19.0	FC741G05	B3C02	2	K5B03	2	YEL	6.0
FC275BB4	T3DC2	2	V2D13#	2	YEL	5.0	FC712AC2	J3E07	U3E04	2	YEL	19.0	FC741H05	A3C02	2	K5B02	2	YEL	6.0
FC275BC4	T2B13	2	V4B02#	2	YEL	7.0	FC712AE6	E2C09	U3E02	2	YEL	19.0	FC741I05	J3C02	2	K5B01	2	YEL	6.0
FC275BF4	V4B04#	2	T3B02	1	YEL	7.0	FC712AN2	J3E07	U2C06	2	YEL	19.0	FC741J05	L3C02	2	K5B00	2	YEL	6.0
FC275BJ4	V4B05#	2	T3D03	2	YEL	7.0	FC712BZ6	J3E07	U2C06	2	YEL	19.0	FC741K05	F2C02	2	K5B01	2	YEL	6.0
FC275BU4	T5DC7	2	V5B04#	2	YEL	5.0	FC712AC2	J3E07	U2C06	2	YEL	19.0	FC741L05	C3C02	2	K5B02	2	YEL	6.0
FC275BW4	T3D13	1	V5B05#	1	YEL	7.0	FC712AE6	E2C09	U2B01	2	YEL	19.0	FC741M05	B3C02	2	K5B03	2	YEL	6.0
FC275BX4	T4B03	1	V5B06#	1	YEL	7.0	FC712AN2	J3E07	U2C06	2	YEL	19.0	FC741N05	J3C02	2	K5B04	2	YEL	6.0
FC275BZ4	T4B02	2	V5B08#	2	YEL	7.0	FC712BZ6	J3E07	U2C06	2	YEL	19.0	FC741O05	F2C02	2	K5B05	2	YEL	6.0

DATE 03-21-75

MST-1 BEARD DISCRETE WIRE EQUIVALENT LIST SEQUENCED BY NET NUMBER

PAGE 2

PART NO. 55548C2 E.C. NO. 824895 VERSION 000 SIZE SINGLE MACHINE 1403SM15 LOCATION 01A-B1

PIN ID: # - I/O PIN PLANES: 1-CARD SIDE SHALLOW 3-PRCBF SIDE SHALLOW WIRE TYPES: YEL-YELLCH, 3C, AG
 * - I/O & LEGIC 2-PRCBF SIDE SHALLOW 4-PRCBF SIDE SHALLOW TBL-TWIN LEAD WRAP NTR-SC CEM TRI-LEAD
 T-TERMINATING RES. h-DISCRETE OVERFLW TH - TWIST PR CORRECT FTW-50 CEM TWIN LEAD
 V-VOLTAGE/GROUND NOTES: WIRE LENGTH IS IN TENTHS OF AN INCH. YELLOW WIRE LENGTH INCLUDES WIRE FCR WRAP.

NET NO.	FROM PIN	P L	TO PIN	P L	WIRE TYPE	LENTH	FR CM PIN	P L	TC PIN	P L	WIRE TYPE	LENTH	FR CM PIN	P L	TC PIN	F L	WIRE TYPE	LENTH		
FC752BK4	N4BC7	2	M4D09	2	YEL	4.0	FC762AG2	M5BC2	2	B2E09	2	YEL	12.0	FC765PV2	B3C07	2	E2B04	2	YEL	11.0
FC753AE2	M4DC9	W	K5D12	K	YEL	6.0	FC762AP6	B4E05	2	M2C12	2	YEL	13.0	FC765Bh2	F3C04	2	E2B13	2	YEL	7.0
FC753AG6	K5BC5	1	M4D12	1	YEL	6.0	FC762AC6	M2B04	1	R2E04	2	YEL	10.0	FC766AB2	B2CC2	2	E4C13	1	YEL	13.0
FC753AP6	M4DC7	W	M4D04	K	YEL	4.0	FC762AS6	L3CC7	2	H2E10	2	YEL	10.0	FC766AD2	F3C02	2	K4PC5	K	YEL	7.0
FC753AS2	K4DC7	W	M4D07	K	YEL	4.0	FC762AU2	B4E11	2	A5C03#	2	YEL	4.5		C4E03	2	K4PC3	K	YEL	9.0
FC753AS6	M4BC4	2	P4B09	2	YEL	5.0		L6EC2#	1	P4B11	1	YEL	12.0		C3CC2	2	K4PC2	K	YEL	9.0
FC753AT6	L2B10	2	M4D11	2	YEL	8.0	FC763AJ2	F4B10	2	B4E04	2	YEL	8.0	FC766AE2	C4E03	2	K4B1C	K	YEL	5.0
FC753AU6	K3D3	2	L2B10	2	YEL	4.5	FC763AK2	B4E02	2	B4C04	2	YEL	8.0	FC766AH2	E2C04	2	K4B11	K	YEL	7.0
FC753ATE	M3BC4	1	L2B02	2	YEL	6.0	FC763AL2	F4B11	2	M4E10	2	YEL	7.0	FC766AJ2	J5B11	2	J5B11	J	YEL	12.0
FC753AU6	K2D10	2	P3B03	2	YEL	8.0	FC763AL2	B2E02	2	M3C03	2	YEL	9.0	FC766AK2	K3B13	2	K3B11	K	YEL	6.0
FC753AV6	K2D10	2	L2B07	2	YEL	10.0		H5CC7	2	J2B10	2	YEL	10.0	FC766AC6	B4C10	2	F4C13	F	YEL	8.0
FC753AX2	L2BC4	2	M5D02	2	YEL	4.5	FC764AC2	E3CC3	2	A4B04#	2	YEL	13.0	FC766AR2	I2B03	2	F4E06	I	YEL	12.0
FC753AY2	K2BC3	1	M2B11	2	YEL	5.5	FC764AC2	H6CC4#	1	B3C03	1	YEL	13.0	FC766ASE	C3C03	1	E4C06	C	YEL	6.0
FC753AZ6	L3BC7	1	P5B05	2	YEL	8.0	FC764AC6	B3B05	1	A4E02#	1	YEL	5.5	FC766AT2	B2E11	2	G2C12	B	YEL	7.0
FC753BA6	L2DC4	2	M4D13	2	YEL	4.5	FC764AC6	H6AC4#	1	B3B05	2	YEL	12.0	FC771AB2	B5C09	2	F4C11	B	YEL	6.0
FC753BD6	M4DC6	1	M4D05	1	YEL	4.0	FC764AF6	J6D04#	1	B2C06	2	YEL	9.0		E4C12	2	C2CC5	E	YEL	12.0
FC753BK6	J4D12	W	M3D07	K	YEL	7.0	FC764AF6	B2D07	2	A4B12#	2	YEL	15.0		F5C09	2	F3B12	F	YEL	6.0
FC753BL6	D2B05	D2B02	J4D12	K	YEL	10.0	FC764AJ6	K6AC4#	1	B2C07	1	YEL	15.0		C2CC5	2	F4B12	C	YEL	12.0
FC754AB2	M4B11	1	D2B02	1	YEL	10.0	FC765AG2	J6CC4#	1	B2C10	2	YEL	14.0		F3B09	2	F3B12	F	YEL	6.0
FC754AC6	C2BC5	2	M3B10	K	YEL	10.0	FC765AH2	F5B08	1	B5C13	2	YEL	8.0		G2B07	2	L5B1C	G	YEL	15.0
FC754AH2	C3BC3	2	J4B02	2	YEL	5.5		D4C03	1	F5B10	2	YEL	7.0	FC771AC2	F3B09	2	F3B12	F	YEL	15.0
FC754AH2	M4BC8	2	K2B12	2	YEL	9.0		C2C12	2	F5B03	2	YEL	8.0	FC771AX4	F3C11	2	L5B1C	G	YEL	15.0
FC754AL6	M2DC9	2	N3B02	2	YEL	7.0	FC765AJ2	B5B04	2	C4E02	2	YEL	7.0	FC772AF6	G3C12	1	F2E03	G	YEL	15.0
FC754AP2	M5DC7	2	J4B13	1	YEL	12.0		F5B13	1	C4C02	2	YEL	6.0	FC772AH6	G3C02	2	G2E03	G	YEL	15.0
FC754AZ6	L2B11	2	M2B13	2	YEL	4.5	FC765AK2	B5B11	2	F5B03	2	YEL	7.0	FC772AJ6	F4C03	2	E5B09	F	YEL	7.0
FC755AH2	T3BG8	2	P2D12	2	YEL	6.0	FC765AL2	C3B07	1	C2B07	1	YEL	5.5	FC772AP6	F3B11	2	G5CC3	F	YEL	6.0
FC755AL2	M5BC9	2	P2D05	2	YEL	7.0		C2C10	2	F2C04	2	YEL	6.0	FC772ARE	G4C02	2	E5B09	G	YEL	4.5
FC755AT6	M2D10	2	N4D09	1	YEL	6.0	FC765AN2	C3C06	2	C2C10	2	YEL	5.5	FC772AS6	F4C02	2	E5B09	F	YEL	4.5
FC755BE2	M5C10	1	P4D02	1	YEL	7.0		C3B09	1	B5B02	1	YEL	7.0	FC772AL6	F3B10	2	G4C12	J	YEL	7.0
FC755BF4	M5BC8	1	P4D03	1	YEL	7.0	FC765AN2	C2B09	1	F2B07	1	YEL	5.5	FC772AZ4	F3B05	2	G4C12	J	YEL	7.0
FC755BG4	M5D11	2	P4B03	2	YEL	7.0		C2C09	1	F2B07	1	YEL	5.5	FC773AF2	F3B05	2	G4BCE	F	YEL	12.0
FC755BL2	M3B13	2	N5B10	1	YEL	7.0	FC765AN2	C2C09	2	E5B05	2	YEL	9.0	FC773AM2	F2B05	2	A5E04#	A	YEL	10.0
FC755BM2	N5B11	2	M2D07	2	YEL	10.0		B5B05	2	D3B05	2	YEL	5.0	FC773BA6	A5E02#	2	E6AC2#	A	YEL	8.0
FC755BP2	M4BC3	2	N5D11	2	YEL	7.0		C2C09	2	E5B05	2	YEL	5.0	FC773BB6	A5C06	2	F4E06	A	YEL	9.0
FC755AF6	N5DC2	2	M2B12	2	YEL	8.0		C2C05	1	F2B07	2	YEL	5.0	FC773Bh6	N6B02#	1	F4E05	N	YEL	10.0
FC755AL4	P2BC3	2	M3B09	2	YEL	7.0		C2C05	2	F2B07	2	YEL	5.0	FC775AE2	E3B07	2	F2C13	E	YEL	4.5
FC755AY2	M2B03	2	P2B05	2	YEL	5.0		C2C07	2	E5B05	2	YEL	5.0	FC775AH2	F3C09	1	F2C13	G	YEL	4.5
FC756AZ2	M2D13	2	P2B02	2	YEL	5.5		E5B10	2	F2B07	2	YEL	5.0	FC775AH6	G2C13	2	F4E32	G	YEL	7.0
FC756BA2	P2C03	1	M3B07	2	YEL	7.0		C2C07	2	E5B05	2	YEL	5.0	FC775AL6	G3C04	2	F4C12	F	YEL	7.0
FC756BF6	D4DC6	1	E2D12	2	YEL	7.0		E5B10	2	F2B07	2	YEL	5.0	FC775AP2	F2B11	2	E4E13	J	YEL	8.0
FC756BG6	D4DC6	2	M5B12	2	YEL	11.0		C2C07	2	E5B05	2	YEL	7.0	FC775AC6	F2B11	2	E4E13	J	YEL	8.0
FC756BH2	M5DC9	2	E2D07	2																

DATE 03-21-75

MST-1 BOARD DISCRETE WIRE EQUIVALENT LIST SEQUENCED BY NET NUMBER

PAGE 3

PART NO. 5554802 E.C. NO. 824895 VERSION CCC SIZE SINGLE MACHINE 14C3SM15 LOCATION CIA-E1

PIN ID: #-I/O PIN
 #-I/O & LOGIC
 T-TERMINATING RES.
 V-VOLTAGE/GROUND

PLANES: 1-CARD SIDE SHALLOW 3-PRCBE SIDE SHALLOW WIRE TYPES: YEL-YELLCW, 3C, AG
 2-PRCBE SIDE SHALLOW 4-PRCBE SIDE SHALLOW TLL-TWIN LEAD WRAP
 h-DISCRETE OVERFLW JEC-JECC2#
 TWH-TWIST PR CONNECT F2DC03
 FIR-5C CEM TRI-LEAD K6BC2#
 GY-SCAX CONNECTCR

NOTES: WIRE LENGTH IS IN TENTHS OF AN INCH. YELLOW WIRE LENGTH INCLUDES WIRE FOR WRAP.

NET NO.	FROM PIN	P L	TO PIN	P L	WIRE TYPE	LENTH	FRM PIN	F L	TC PIN	P L	WIRE TYPE	LENTH	FRM PIN	F L	TC PIN	P L	WIRE TYPE	LENTH		
FC781AL6	G4DC2	W	H5D04	W	YEL	6.0	FC812AC2	J4C03	2	N3C06	1	YEL	6.0	FC843AC2	F2B12	1	H4C02#	1	YEL	10.0
FC781AM6	G4BC5	2	H5B02	2	YEL	5.5	FC812AP2	K2B09	2	N5B05	1	YEL	5.0	FC843AC2	F2B12	2	A4C06#	2	YEL	11.0
FC781AQ6	G4DC9	W	T4B09	W	YEL	11.0	FC812E4	K2B10	2	H4BC7	1	YEL	7.0	FC844AA2	H2CC6	1	J6C02#	1	YEL	12.0
FC781AR6	G3B11	W	T3D09	W	YEL	11.0	FC813AM6	E3C11	2	K2D04	2	YEL	7.0	FC844AB2	H2CC9	1	J6C09#	1	YEL	11.0
FC781AS6	H5B04	2	G3B12	1	YEL	7.0	FC813AP2	M2C12	2	K3C02	2	YEL	7.0	FC844AC2	F5C12	2	F2EC03	2	YEL	11.0
FC781AW2	G2B11	W	H5D09	W	YEL	9.0	FC813A12	K2CC3	2	K4D04	1	YEL	8.0	FC844AC2	J6C02#	1	F2EC09	1	YEL	11.0
FC781BA6	G3BC3	W	H4D12	W	YEL	7.0	FC831AC6	B4B09	2	F5B04	1	YEL	8.0	FC844AC2	A4D11#	2	F2EC04	2	YEL	11.0
FC781BB6	G2DC7	W	H4D10	W	YEL	8.0		C3B02	2	B4BC9	1	YEL	9.0	FC844AC2	F2D04	2	K6BC2#	2	YEL	12.0
FC781BC2	G5D11	2	M5B05	1	YEL	7.0		C4C12	2	C3802	2	YEL	9.0	FC844AC2	A4C13#	2	F2DC04	2	YEL	13.0
FC781BG2	T4D11	2	H5B03	2	YEL	11.0		J3EC4	2	K2B11	2	YEL	7.0	FC845AC6	H5C11	2	J6B1C	2	YEL	4.0
FC781BH2	H4DC6	2	T4B11	2	YEL	10.0		E4C06	2	K2B04	2	YEL	9.0	FC845AS2	H3B05	2	F6AC2#	2	YEL	9.0
FC782AJ6	G4B11	2	H4D06	2	YEL	7.0		K2B11	2	C4D06	1	YEL	11.0	FC851AD6	D3D13	2	E4C11	2	YEL	5.0
FC782AK6	G3DC9	2	C2B07	2	YEL	7.0		F3B02	2	J3B07	2	YEL	4.0	FC851AG2	D2B10	2	E2B11	2	YEL	5.0
FC782AL2	C3DC2	W	G3B13	W	YEL	7.0		F3B01	2	J3B11	2	YEL	4.5	FC851AH2	C2B13	2	E4C13	2	YEL	5.0
FC782AM2	E4B12	W	G5D12	W	YEL	9.0		F3B08	2	J3B09	2	YEL	4.5	FC851AJ2	C2C11	2	E4C11	2	YEL	7.0
FC782AN2	B5B07	W	G5B08	W	YEL	5.5		F3B03	1	J3B03	1	YEL	6.0	FC851AL2	E3D07	2	T4C03	2	YEL	12.0
FC782AP2	E3D10	W	B5B07	W	YEL	8.0		T4C12	2	H5B09	2	YEL	12.0	FC851AX2	F3D03	2	E2B13	1	YEL	4.0
FC782AP2	X3DC5	W	G4D06	W	YEL	6.0		F4B03	2	H4C05	2	YEL	12.0	FC852AKE	E3B05	2	T4B04	2	YEL	12.0
FC782AW6	F5BC3	2	G2D05	1	YEL	9.0		G3C10	2	J2D03	2	YEL	12.0	FC852AC6	H3B13	2	T5B02	1	YEL	12.0
FC783AK6	G2DC6	W	E4D02	W	YEL	7.0		F4B03	2	H4C05	2	YEL	12.0	FC852AR6	F4B04	2	T5B04	2	YEL	12.0
FC783AL2	G3D11	2	J5D11	2	YEL	8.0		G3C10	2	A5B06#	1	YEL	15.0	FC852ASE	E4DC4	2	T4B04	2	YEL	12.0
FC783AM6	B3D11	2	G3B10	2	YEL	7.0		M6C04#	2	J2D02	1	YEL	11.0	FC852AL6	C3B05	2	E4B05	2	YEL	12.0
FC783AQ2	G5D04	2	M3B08	2	YEL	8.0		I3C03	2	J5R05	1	YEL	11.0	FC852AR6	T5B02	1	T5B04	2	YEL	12.0
FC783AV6	B2D13	W	G2D02	2	YEL	7.0		B2C12	2	E4B02	2	YEL	7.0	FC852AS6	E4B04	2	T4B04	2	YEL	12.0
FC783AW6	B2DC5	2	G3B05	2	YEL	7.0		C2B13	1	E4B02	2	YEL	7.0	FC852AU2	C4B10	2	E4B05	2	YEL	12.0
FC783AZ2	G4B07	W	M3D02	W	YEL	8.0		F3B02	2	J2B02	2	YEL	7.0	FC853AG2	E3B11	2	F5B02	2	YEL	12.0
FC783BJ6	G5BC4	W	M2D11	W	YEL	10.0		J4B04	2	J5B10	1	YEL	7.0	FC853AR2	H3C13	2	E5B06	2	YEL	7.0
FC783BK6	G5BC2	W	M3D05	W	YEL	9.0		F3B03	2	J5B13	1	YEL	7.0	FC854AP2	J2C04	2	E4B04	2	YEL	6.0
FC784AC6	B4D11	2	G4B03	1	YEL	7.0		J4C05	2	E5B07	1	YEL	7.0	FC854ARE	J2C05	2	E4B05	2	YEL	11.0
FC784AD6	G4B08	2	L3D02	2	YEL	8.0		F3B01	2	J2B05	2	YEL	7.0	FC855AR6	C2C12	2	E2B11	2	YEL	11.0
FC784AK6	M3B11	2	G4B10	2	YEL	8.0		F3B03	2	J3B02	2	YEL	7.0	FC855AV2	E2C07	2	E2B11	2	YEL	11.0
FC784AT2	G2B12	1	H3B09	2	YEL	4.5		F3B06	2	J3B13	2	YEL	7.0	FC855AE6	C2C7	2	E2B11	2	YEL	11.0
FC784AV2	G2D10	2	M5D03	2	YEL	5.5		T4B12	2	J4D10	2	YEL	14.0	FC855AR6	E2C05	2	E2B11	2	YEL	11.0
FC784AW2	G5BC7	2	M5B10	2	YEL	7.0		F4B09	2	J5B10	1	YEL	15.0	FC855AE6	C2C7	2	E2B11	2	YEL	11.0
FC784AX2	G4BC4	W	M3D04	W	YEL	8.0		J2D06	2	F2B04	2	YEL	15.0	FC855AR6	E2C05	2	E2B11	2	YEL	11.0
FC784AY6	G4B13	W	M2B02	W	YEL	10.0		F3C06	2	J3C04	2	YEL	15.0	FC855AE6	C2C7	2	E2B11	2	YEL	11.0
FC784AZ2	G2D11	W	H5C02	W	YEL	8.0		F3C09	2	J5B03	2	YEL	15.0	FC855AR6	E2C05	2	E2B11	2	YEL	11.0
FC784BE2	G4DC4	1	M5D13	2	YEL	8.0		F4B04	2	J5B03	2	YEL	15.0	FC855AE6	C2C7	2	E2B11	2	YEL	11.0
FC784BG4	G3BC7	W	M2B09	W	YEL	7.0		F3B04	2	J5B02	2	YEL	15.0	FC855AR6	E2C05	2	E2B11	2	YEL	11.0
FC785AS6	F4B12	W	T5D05	W	YEL	12.0		F3B06	2	J5B02	2	YEL	15.0	FC855AR6	E2C05	2	E2B11	2	YEL	11.0
FC811AD2	F4B12	1	G3D05	2	YEL	7.0		F3B06	2	J5B02	2	YEL	15.0	FC855AR6						

MST-1 BCARD DISCRETE WIRE EQUIVALENT LIST SEQUENCED BY NET NUMBER

DATE 03-21-75

PAGE 4

PART NO. 5554802 E.C. NO. 824895 VERSION 000 SIZE SINGLE MACHINE 1403SM15 LOCATION G1A-E1

PIN ID: # - I/O PIN PLANE: 1 - CARD SIDE SHALLOWS 3 - PRCBE SIDE SHALLOWS WIRE TYPES: YEL - YELLOW, 30° AG
 * - I/O & LOGIC 2 - PRCBE SIDE SHALLOWS 4 - PRCBE SIDE SHALLOWS TBL - TWIN LEAD WRAP
 T - TERMINATING RES. 6 - DISCRETE OVERFLW TBL - TWISTED PAIR CONNECT FTW - SC CPM TWIN LEAD
 V - VOLTAGE/GROUND FIR - SC CPM TRI-LEAD CY - CEAX CONNECTOR

NOTES: WIRE LENGTH IS IN TENTHS OF AN INCH. YELLOW WIRE LENGTH INCLUDES WIRE FOR WRAP.

NET NO.	FROM PIN	P L	TO PIN	P L	WIRE TYPE	FROM PIN	P L	TO PIN	P L	WIRE TYPE	FROM PIN	P L	TO PIN	P L	WIRE TYPE			
FC863BA2	E5C04	2	D2D02	2	YEL	10.0	FC903AH6	N3B13	2	P4B10	2	YEL	5.5	FC922AP3	V4C04	2	YEL	4.0
FC863BA6	D3BC2	2	E2D11	2	YEL	5.0	FC904A12	L2B05	2	P2B11	2	YEL	6.0	FC922AP4	V4C07	2	YEL	4.0
FC863BB6	D5B02	2	E5B04	2	YEL	4.5	FC904A46	N3C03	2	P4B12	1	YEL	7.0	FC922AP5	V4B11	2	YEL	4.0
FC864BA2	D3DC2	W	D4B12	W	YEL	7.0	FC904AS6	P2CC9	2	J4C02	2	YEL	8.0	FC922AP6	V4C12	2	YEL	4.0
FC865AM6	D3BC3	W	D4D04	W	YEL	5.5	FC905AA2	P3B08	2	S5LC7	W	YEL	8.0	FC922AC2	V5B03	2	YEL	4.0
FC865AV4	D5D10	2	E4D03	1	YEL	7.0	FC905AC2	P2B13	2	S5CC2	2	YEL	8.0	FC922AC3	V5CC4	2	YEL	4.0
FC866AV6	E2B04	W	D4B09	W	YEL	8.0	FC905AE2	P2B10	2	S5B11	2	YEL	8.0	FC922AC4	V5B11	2	YEL	4.0
FC866AY4	E2B12	W	D4B13	W	YEL	8.0	FC905AF2	P2C13	2	S5CC5	W	YEL	8.0	FC922AC5	V5C12	2	YEL	4.0
FC881AG6	L3BC5	2	N3B03	2	YEL	5.0	FC905AG2	S5B04	1	P3CC4	W	YEL	8.0	FC922AK4	V2B06	2	YEL	4.0
FC881BQ6	H4DC9	2	L3BC5	2	YEL	7.0	FC905AH2	P3C06	2	S5C04	W	YEL	8.0	FC922AS4	C2B06	V	YEL	4.0
FC881BS4	N3D04	2	N2D10	1	YEL	5.5	FC905AK6	P3C12	2	S5C04	W	YEL	8.0	FC922BF4	B4B06	V	YEL	4.0
FC882AP2	H5B05	2	P2D02	2	YEL	13.0	FC906AG6	S4B03	2	P4CC4	W	YEL	7.0	FC922BH4	C4B06	V	YEL	4.0
FC882AT6	L3DC3	W	N3B12	W	YEL	5.5	FC906AH6	T3BC7	2	S5B09	W	YEL	8.0	FC922BJ4	C5B06	V	YEL	4.0
FC884AM4	K2BC2	W	N4B09	W	YEL	9.0	FC906AJ6	P5B07	2	S4B12	W	YEL	8.0	FC922BK4	T2B06	V	YEL	4.0
FC884AR2	H5B08	2	P3B05	2	YEL	11.0	FC906AK6	S5B02	2	P5C05	W	YEL	8.0	FC922BL4	L2B06	V	YEL	4.0
FC884AS2	H2DC2	1	P2D07	1	YEL	7.0	FC906AL6	T3C07	2	S5B05	W	YEL	7.0	FC922BP4	T3B06	V	YEL	4.0
FC884AT2	P2D07	1	N4D13	2	YEL	10.0	FC906AM6	T2B05	2	S4CC3	W	YEL	7.0	FC922BR4	T4B06	V	YEL	4.0
FC884AU2	P3B03	1	H2B05	1	YEL	8.0	FC906AN6	T2C07	2	S4CC7	W	YEL	7.0	FC922BS4	L4B06	V	YEL	4.0
FC884AV2	H2D07	2	P2B10	2	YEL	8.0	FC906AP6	T2B03	2	S4C12	W	YEL	7.0	FC922BT4	L5B06	V	YEL	4.0
FC884AW2	N2B10	2	P2B07	2	YEL	8.0	FC906AQ6	T2B04	2	S4C12	W	YEL	7.0	FC922BL4	L5B06	V	YEL	4.0
FC884AX2	P2D06	2	N2D07	2	YEL	4.5	FC906AR6	S5C11	2	P5C11	1	YEL	5.5	FC931B04	A4B13	1	YEL	12.0
FC884AX2	P2D10	2	N2D09	2	YEL	4.5	FC922AH2	A2B03	2	A2CC3	2	YEL	8.0	FC931B04	A4B13	1	YEL	12.0
FC885BD6	K2DC7	W	N3B11	W	YEL	7.0	FC922AH3	A2CC4	2	A2CC4	2	YEL	8.0	FC931B04	A4B13	1	YEL	12.0
FC885BF6	N5B09	1	K2B05	2	YEL	11.0	FC922AH4	A2B07	2	A2C07	2	YEL	8.0	FC931B04	A4B13	1	YEL	12.0
FC885BL6	K2D11	1	N5B08	1	YEL	9.0	FC922AH5	A2B11	2	A2C11	2	YEL	8.0	FC931B04	A4B13	1	YEL	12.0
FC885BM6	K3D05	W	N5B07	W	YEL	8.0	FC922AF6	A2C12	2	A2C12	2	YEL	8.0	FC931B04	A4B13	1	YEL	12.0
FC885BN6	K2BC7	1	N5D05	1	YEL	12.0	FC922AJ2	A3B03	2	A3C03	2	YEL	8.0	FC931B04	A4B13	1	YEL	12.0
FC885BV4	K2DC2	W	N3B09	2	YEL	7.0	FC922AJ3	A3CC4	2	A3C04	2	YEL	8.0	FC931B04	A4B13	1	YEL	12.0
FC885BW2	K3B03	2	N4D04	2	YEL	7.0	FC922AJ4	A3C07	2	A3C07	2	YEL	8.0	FC931B04	A4B13	1	YEL	12.0
FC891AD6	L3DC9	2	J3D03	2	YEL	5.0	FC922AJ5	A3B11	2	A3C11	2	YEL	8.0	FC931CA2	A5B07	1	YEL	12.0
FC891AJ2	L3D12	1	J2B11	2	YEL	6.0	FC922AJ6	A3C12	2	A3C12	2	YEL	8.0	FC931CA2	A5B07	1	YEL	12.0
FC891AM6	J2D09	2	L2D11	2	YEL	5.0	FC922AK2	A4B03	2	A4CC3	2	YEL	8.0	FC931PC4	A5B07	1	YEL	12.0
FC891AQ6	J5DC3	1	L2B12	1	YEL	5.0	FC922AK3	A4C04	2	A4C04	2	YEL	8.0	FC931PC4	A5B07	1	YEL	12.0
FC891AR6	L2DC7	2	J5D02	1	YEL	23.0	FC922AK4	A4B07	2	A4C07	2	YEL	8.0	FC931PC4	A5B07	1	YEL	12.0
FC891AS2	L2DC5	1	T4B13	2	YEL	10.0	FC922AK5	A4B11	2	A4C11	2	YEL	8.0	FC931PC4	A5B07	1	YEL	12.0
FC891AT2	L3BC3	2	P2B09	2	YEL	6.0	FC922AL2	A5B03	2	A5C03	2	YEL	8.0	FC931CAA4	E6A02	1	YEL	12.0
FC891AU6	K2D09	2	L3D13	2	YEL	6.0	FC922AL3	A5C04	2	A5C04	2	YEL	8.0	FC931CAA4	E6A02	1	YEL	12.0
FC892ADE	L2D13	2	P3D09	2	YEL	6.0	FC922AL4	A5B07	2	A5C07	2	YEL	8.0	FC931CAA4	E6A02	1	YEL	12.0
FC892AG2	L3B10	2	P3B13	2	YEL	5.5	FC922AL5	A5B11	2	A5C11	2	YEL	8.0	FC931CAA4	E6A02	1	YEL	12.0
FC892AK6	L2DC2	W	S4D02	W	YEL	9.0	FC922AL6	A5C12	2	A5C12	2	YEL	8.0	FC931CAA4	E6A02	1	YEL	12.0
FC892AP6	L3D10	2	P3D11	2	YEL	5.5	FC922AM2	V2C03	2	V2C03	2	YEL	8.0	FC931CAA4	E6A02	1	YEL	12.0
FC892AT2	P2D11	2	L3B08	2	YEL	7.0	FC922AM3	V2C04	2	V2C04	2	YEL	8.0	FC931CAA4	E6A02	1	YEL	12.0
FC893AC2	L2BC9	W	S5D12	W	YEL	11.0	FC922AM4	V2B07	2	V2C07	2	YEL	8.0	FC931CAA4	E6A02	1	YEL	12.0
FC893AF2	L2D10	2	P4B12	2	YEL	8.0	FC922AM5	V2B11	2	V2C11	2	YEL	8.0	FC9				

DATE 03-21-75

MST-1 BEARD DISCRETE WIRE EQUIVALENT LIST SEQUENCED BY NET NUMBER

PAGE 5

PART NO. 5554802 E.C. NO. 824895 VERSION CCC SIZE SINGLE MACHINE 1403EN1E LOCATION 01A-61

PIN ID: #-I/O PIN PLANES: 1-CARD SIDE SHALLOW 3-PROBE SIDE SHALLOW WIRE TYPES: YEL-YELLOW, 3C, AG
 #-I/O & LOGIC 2-PROBE SIDE SHALLOW 4-PROBE SIDE SHALLOW TBL-TIN LEAD WRAP NTR-9C CFM TRI-LEAD
 T-TERMINATING RES. 5-DISCRETE OVERFLW TH - TWIST FR CONNECT FTB-5C CFM TWIN LEAD
 V-VOLTAGE/GROUND FIR-5C CFM TRI-LEAD NTB-9C CFM TWIN LEAD
 NOTES: WIRE LENGTH IS IN TENTHS OF AN INCH. YELLOW WIRE LENGTH INCLUDES WIRE END LADS CY - COAX CONNECTOR

V-VOLTAGE/GROUND
NOTES: WIRE LENGTH IS IN TENTHS OF AN INCH. YELLOW WIRE LENGTH INCLUDES WIRE FOR WRAP.

END OF LIST

DATE 03-21-75

MST-1 BOARD DISCRETE WIRE EQUIVALENT LIST SEQUENCED BY PIN NUMBER

PAGE 1

PART NO. 5554802

E.C. NO. 824895

VERSION CCC

SIZE SINGLE

MACHINE 1403SM15

LOCATION C1A-E1

PIN ID: # - I/O PIN

*- I/O & LOGIC

V - VOLTAGE/GROUND

NOTE: 'T' FOLLOWING PIN LOCATION INDICATES TERMINATING RESISTER

PIN	NET NO.	PIN	NET NO.	PIN	NET NO.	PIN	NET NO.	PIN	NET NO.	PIN	NET NO.	PIN	NET NO.	PIN	NET NO.	
A2B02#	WPO1CAG4	A4B06#	FQ931CC2	B2B09	FC762AC2	B5B02	FC765AN2	C3B08	FC742AN2	D3B07	FC765AK2	E2C03	FC855AZ6			
A2B03	FQ922AH2	A4B07	FC922AK4	B2B10	FC762AS6	B5B03	WPC1CAE4	C3B09	FC782AK6	C3B08	FC866ALE	E2C04	FC766AE2			
A2B04#	WPO1CAJ2	A4B03#	FQ931BD2	B2B11	WPC1CAE4	B5B04	FC765AF2	C3B10	FC741CJ2	C3B05	FC765AP2	E2C05	FC855AE2			
A2B05#	WPC1CAJ4	A4B09#	FC764AJ6	B2B12	FC765BC2	B5B05	FC765AN2	C3B11	FC741BB2	C3B06	FC764AF2	E2C06	FC712AM2			
A2B06#	WPO1CAJ6	A4B10#	FC764AG6	B2B13	FC765B2#	B5B06	V	FC922BJ4	C3B12	FC741B#2	C3B07	FC7663AE2	E2C07	FC712EE6		
A2B07	FC922AH4	A4B11	FC922AK5	B2C06	FC922AR4	B5B07	FC922AN2	C3CC6	FC766AC2	C3B13	FC7664AV2	E2C08	FC712EE6			
A2B08#	WPC1CAK2	A4B12#	FC764AH6	B2D02	WPO1UAC4	B5B08	FC765AK2	C3CC3	FC766AC2	C3B14	FC7661AK6	E2C11	FC8661AE6			
A2B09#	WPC1CAK6	A4B13#	FQ922BD4	B2D04	FC766AE2	B5B09	FC766AF2	C3CC4	FC766AS6	C3CC3	FC7664BP2	E2C12	FC756EF6			
A2B10#	WPO1CAM2	A4C03	FQ922AK2	B2D05	FC783AW6	B5B10	WPC1CAC4	C3CC5	FC741AZ2	C3CC3	FC765AP2	E2C13	FC863AF2			
A2B11	FQ922AH5	A4C04	FQ922AK3	B2D06	FC764AF6	B5B11	FC765AJ2	C3CC6	FC741B#2	C3CC4	FC864AC2	E2C02	FC854AR6			
A2B12#	WPC1CAM4	A4C07	FQ922AK4	B2D07	FC764AF6	B5B12	FC765B#6	C3CC7	FC742AN2	C3CC6	FC765AL2	E3B04	FC831CEE			
A2B13#	WPO1CAM6	A4C11	FQ922AK5	B2D09	WPC1CAE4	B5B13	V	FC765B6	C3CC9	FC741B#2	C3CC7	FC862AEE	E3B05	FC852AK6		
A2C03	FQ922AH2	A4C12	FC922AK6	B2D10	FC764AJ6	B5C06	V	FC922BJ4	C3C10	FC741B#2	C3CC9	FC865AK6	E2B07	FC775AE2		
A2C04	FQ922AH3	A4D02#	FC845AS2	B2D11	FC766AT2	B5C02	WPC1OAC6	C3C11	FC831AK4	C3C10	FC865AL6	E3B05	FC852AX2			
A2C07	FQ922AH4	A4D03#	FC843AA2	B2D12	FC831BS6	B5C03	V	FC765BT6	C3C12	FC765BS2	C3C11	FC864PC6	E3B08	FC851AC2		
A2C11	FQ922AH5	A4D04	FQ922AK3	B2D13	FC783AV6	B5C04	WPC1OAC6	C3C12	V	FC741AV2	C3C12	FC855AZ6	E3B10	FC765AC2		
A2C12	FQ922AH6	A4DC5#	FC843AB2	B3B02	WPO1OAC2	B5C05	V	FC765AP2	C4BC3	FC766AC2	C3C13	FC851AC6	E3B11	FC853AC2		
A2D02#	WPO1CAD4	A4D06#	FQ843AC2	B3B03	FG765BP6	B5C06	V	FC721PH6	C4BC6	FC922BH4	C4BC2	FC742AF2	E3B12	FC861AA6		
A2D03#	WPC1CAD6	A4D07#	FQ843AD2	B3B04	FC765BM6	B5C07	V	FC771AP2	C4BC10	FC766AE2	C4BC3	FC861AA6	E3B13	FC831CF6		
A2D04	FQ922AH3	A4D09#	FC844AA2	B3B05	FC764AC2	B5C10	V	FC765PJ6	C4CC6	FC922BH4	C4BC4	FC854AR6	E3C02	FC782AL2		
A2D05#	WPO1CAE2	A4D10#	FQ776AT6	B3B06	V	WPO1OAF2	B5C11	FC765BK6	C4CC2	FC778C01	C4BC5	FC765AL6	E3C03	FC712AF6		
A2D06#	WPC1CAE4	A4D11#	FC844AC2	B3B07	FC922AK6	B3B08	V	FC766AH2	B5C12	WPC1CAC2	C4CC3	FC785AS6	C4BC7	FC855AR6		
A2C07#	WPO1CAE6	A4D12	FQ922AK6	B3B09	FC762AC6	B5C13	V	FC765AG2	C4C10	FC778AC4	C4BC9	FC866AV6	E3C04	FC712EG2		
A2C09#	WPC1CAF2	A4D13#	FQ844AD2	B3B10	WPC1CAE6	B6A04#	V	WPC1OAJ2	C4C11	FC778AK6	C4B12	FC865AJ2	E2C06	FC863AE2		
A2C10#	WPO1CAF4	A5B02#	FQ773AM2	B3B11	FC766AJ2	B6B02#	V	WPC1CAE2	C4C12	FC831AC6	C4B13	FC864PAZ	E2C07	FC851AUZ		
A2C11#	WPC1CAF6	A5B03	FQ922AL2	B3B13	WPC1CAC6	B6B04#	V	WPC1CAE4	C4C13	V	FC782BK4	C4CC2	FC765AJ2	E3C10	FC782AN2	
A2C12	FQ922AH6	A5B04#	FQ775AU2	B3B14	V	FC922AT4	B6C02#	V	WPC1CAJ6	C4CC6	FC822BK4	C4CC3	FC765AF2	E3C11	FC812EE4	
A2C13#	WPC1CAG2	A5B05#	FC775AT2	B3C06	FC831BL6	B3D02	V	FC765BN6	B6C04#	WPC1CAF6	C4CC4	FC865AJ6	E3C12	FC832EC2		
A3B02#	WPC1CAD2	A5B06#	FQ831BL6	B3D03	FC764AC2	B6C02#	V	WPO1OAF6	B6E04#	WPO1CAK2	C4AC4#	FC861AS4	E3C13	FC931AX4		
A3B03	FQ922AJ2	A5B07	FC922AL4	B3D04	WPO1OAF6	B6E02#	V	FC765BL6	C2B03	FC811ANE	C4BC4#	FC866AM6	E4B03	FC831ES6		
A3B04#	WPC1CAH6	A5B08#	FC931CR6	B3D05	WPO1OAF4	B6E04#	V	FC752BCE	C2B04	FC742AL2	C6CC2#	FC866AN6	E4B04	FC852ARE		
A3B05#	WPO1CAL2	A5B09#	FC931CA2	B3D06	FC765BL6	C2B03	V	FC754AP2	C6CC4#	WPC1CAN4	D5PC2	FC863PB6	E4B05	FC863PA6		
A3B06#	WPO1CAG6	A5B10#	FQ778AM6	B3D07	FC765BV2	C2B04	V	FC761B#2	C2B05	FC782AS4	C6EC2#	FC711AI2	E4B07	FC775AS4		
A3B07	FQ922AJ4	A5B11	FQ922AL5	B3D08	FC742AN2	C2B05	V	FC761B#2	C2B06	FC783AM6	C6EC4#	FC852AC6	E4B08	FC852AC6		
A3B08#	WPC1CAH2	A5B12#	FC931DA6	B3D09	FC761B#2	C2B07	V	FC765B#2	C2B08	FC765AM2	C6EC5	FC861AC2	E4B09	FC766AF2		
A3B09#	WPC1CAH4	A5B13#	WPO1OAL4	B3D10	FC761B#2	C2B08	V	FC765AM2	C6EC6	FC753BL6	C5PC8	FC861AC2	E4B10	FC775AN4		
A3B10#	WPO1CAK4	A5C03	FC922AL3	B3D11	FC783AM6	C2B09	V	FC765AK2	C2B10	FC753BK6	C5PC7	FC861AG2	E4B11	FC852AC6		
A3B11	FQ922AJ5	A5C04	FC922AL3	B3D12	WPO1OAB2	C2B09	V	FC765AK2	C2B11	FC741B#2	C2B07	FC861AC2	E4B12	FC766AF2		
A3B12#	WPC1CAK6	A5C07	FC922AL4	B4B02	FC763AK2	C2B10	V	FC765AK2	C2B12	FC861AS4	C5P11	FC861AC2	E4B13	FC766AF2		
A3B13#	WPO1CAN2	A5C11	FC922AL5	B4B03	FC761BE2	C2B11	V	FC765AJ2	C2B12	FC863AF2	C5P12	FC863AC6	E4B14	FC782AN2		
A3C03	FQ922AJ2	A5C12	FC922AL6	B4B04	FC763AJ2	C2B12	V	FC762AP6	C2B13	FC831BS6	C5P13	FC861AE2	E4B15	FC863AE2		
A3C04#	FQ922AJ3	A5D02#	FC931CC4	B4B05	V	FC922AL3	B4B06	V	FC761AY6	C2C02	FC922AS4	C5P14	FC861AE2	E4B16	FC863AE2	
A3C07	FQ922AJ4	A5D03#	FQ922AL3	B4B07	V	FC931CC6	B4B08	V	FC773AF2	C2C03	FC742AJ2	C2B12	FC855AV4	E4C04	FC852AS6	
A3C11	FQ922AJ5	A5D04#	FQ931CR6	B4B09	V	FC931CR2	B4B09	V	FC831AD6	C2C04	FC782AP2	C2C02	FC863AG6	E4C05	FC711IAK2	
A3C12	WPO1CAA2	A5D05#	FQ931CR4	B4B10	V	FC931CR4	B4B11									

DATE 03-21-75

MST-1 BCAPD DISCRETE WIRE EQUIVALENT LIST SEQUENCED BY PIN NUMBER

PAGE 2

PART NO. 5554802

E.C. NO. 824895

VERSION OCC

SIZE SINGLE

MACHINE 14C3SM15

LOCATION 01A-E1

PIN ID: #-I/O PIN

*-I/O & LOGIC

V-VOLTAGE/GROUND

NOTE: 'T' FOLLOWING PIN LOCATION INDICATES TERMINATING RESISTER

PIN	NET NO.	PIN	NET NC.	PIN	NET NC.	PIN	NET NC.	PIN	NET NC.	PIN	NET NC.	PIN	NET NC.
E5B10	FQ765AP2	F4D06	FC773BA6	G3D09	FG782AJ6	H2C07	FC884AU2	H5C06	FC832BH6	J4BC5	FC766AC2	K2C04	FC812EE4
E5D02	FQ863AG6	F4D07	FC811AD2	G3D10	FG831BK2	H2D09	FC844AA2	H5C07	FC763AL2	J4BC7	FC741CJ2	K2C05	FC752EJ4
E5C03	FQ721BD6	F4D10	FG775AL6	G3D11	FG783AL2	H2C10	FC841AC2	H5C08	FC781AW2	J4BC8	FC811AC2	K2C06	FC721EF6
E5C04	FQ863BA2	F4D11	FQ771AB2	G3D12	FG772AF6	H2C11	FC841AB2	H5C09	FC831BK2	J4BC9	FC832AB6	K2C07	FC885EC6
E5C05	FQ851AH2	F4D12	FC775AH6	G3D13	FG772AC6	H2C12	FC861AA6	H5C10	FC845AC6	J4BC10	FC775AF2	K2C08	FC891AL6
E5C06	FQ854AP2	F5B02	FC853AR2	G4B02	FG775AH2	H2C13	FC861AA6	H5C11	FC863AP2	J4BC11	FC831AL6	K2C10	FC753AL6
E5C07	FQ853AR2	F5B03	FQ782AW6	G4B03	FG784AC6	H3B02	FC831AL6	H5C12	FC931BH2	J4BC12	FC811AJ6	K2C11	FC885EL6
E5C09	FQ852AT2	F5B04	FC831AD6	G4B04	FG784AX2	H3B05	FC845AS2	H5C13	FC845AS2	J4BC13	FC754ALE	K2C12	FC752FY6
E5C10	FQ855AY6	F5B05	FQ853AG2	G4B05	FG781AM6	H3B09	FC784AT2	H5C14	FC764AD2	J4CC2	FC804AS6	K2C13	FC811AJ6
E6A02#	WPO1CAA4	F5B08	FG765AH2	G4B08	FG783AZ2	H3B10	FC721BH6	H5C15	FC843AA2	J4CC3	FC811AP2	K3B02	FC885EW2
E6B04#	WPO1CAH6	F5B10	FG765AP6	G4B09	FG784AC6	H3B11	FC831BA2	H5C16	FC764AC2	J4DC4	FC722AT2	K3B03	FC732AE2
E6C02#	WPO1CAA6	F5B12	FQ776AP6	G4B10	FG784AK6	H3B13	FC852AC6	H5C17	FC831PC6	J4CC5	FC831CP6	K3B04	FC811AL2
E6C04#	WPO1CAL2	F5B13	FQ765AJ2	G4B11	FG781BH2	H3C02	FC811AJ6	H5C18	FC843AC2	J4CC7	FC711AM6	K3B05	FC721AH6
E6D02#	WPO1CAB2	F5D02	FC775AS4	G4B12	FG771AC2	H3C03	FC831BN6	H5C19	FC831CC2	J4CC9	FC832AT6	K3B06	FC831EC6
E6C04#	KPO1CAG6	F5U03	FQ772AS6	G4B13	FG784AY6	H3C04	FG711BH6	H5C20	FC831BS6	J4C01C	FC831CJ6	K3B07	FC761EE2
E6E02#	KPO1CAB4	F5D11	WPO1DAL2	G4B14	FG781AL6	H3C05	FC831AN6	H5C21	FC832BJ2	J4C12	FC121AM2	K3B08	FC753AM2
F2B04	FQ832AE2	F5D12	FC844AB2	G4C02	FG781BE2	H3C06	FC931BC6	H5C22	FC721AM6	J4C13	FC753PK6	K3B09	FC811AE2
F2B05	FQ773AM2	F5D13	FC776AT6	G4C04	FG784BE2	H3C07	FC721EP2	H5C23	FC831CE6	J5B02	FC753PL6	K3B10	FC832AR6
F2B07	FQ765AN2	F6A04#	WPO1CAH2	G4D05	FG741AY2	H3C09	FC832AR6	H5C24	FC741BX2	J5B03	FC831PG2	K3B11	FC766PK2
F2B09	FC765AP2	F6B02#	WPO1OAB6	G4D06	FG782AP2	H3C10	FC931BH4	H5C25	WPC1CAG6	J5B04	FC832AR6	K3B12	FC813AM6
F2B10	FQ765AM2	F6B04#	WPO1OAH4	G4D07	FG772AS6	H3C11	FC721BF2	H5C26	FC763AL2	J5B05	FC832BPE	K3B13	FC753AS6
F2B11	FQ775AP2	F6C02#	WPO1OAC2	G4D09	FG781AC6	H3D12	FC852AK6	H5C27	FC891AJ2	J5B06	FC831BPE	K3B14	FC752AL6
F2B12	FQ775AT2	F6C04#	WPO1OAC4	G4D13	FG775AQ6	H3C13	FC854AP2	H5C28	FC832BX2	J5B07	FC845AM6	K3B15	FC732EM6
F2B13	FQ775AQ6	F6D02#	WPO1OAC4	G4D14	FG783BK6	H4B02	FC272AC2	H5C29	FC722BC2	J5B08	FC831CJ6	K3B16	FC732EC6
F2C02	FQ741CJ2	F6E04#	WPO1OAK6	G5B02	FG775AR6	H4B03	FC272AG2	H5C30	FC831BL6	J5B09	FC731AH6	K3B17	FC813AF2
F2C03	FQ772AH6	G2B05	FQ761BE2	G5B03	FG783BJ6	H4B04	FC763AK2	H5C31	FC831BK2	J5B10	FC731CJ6	K3B18	FC813AF2
F2C04	FQ765AL2	G2B07	FQ771AW6	G5B04	FG782AN2	H4B05	FC721AH6	H5C32	FC854ASE	J5B11	FC766AJ2	K3B19	FC762EE2
F2C05	FQ765BT6	G2B09	FQ741CJ2	G5B05	FG784AK2	H4B07	FC812AP2	H5C33	FC741BA2	J5B12	FC832ER2	K3C12	FC752EF4
F2C07	FQ765BS2	G2B10	WPO1OAJ6	G5B07	FG782AM2	H4B08	FC272AG4	H5C34	FC832AE2	J5B13	FC831E6	K4B02	FC732AL6
F2D09	FQ772AQ6	G2B11	FQ781AW2	G5B08	FG832BG6	H4B09	FC272AD2	H5C35	FC931SC4	J5C04	FC891ARE	K4B03	FC722BE6
F2D10	FQ772AZ4	G2B12	FQ784AT2	G5B09	FG712AK6	H4B10	FC763AJ2	H5C36	WPC1CAH4	J5C05	FC832BHE	K4B04	FC732AC2
F2D11	FQ775AR6	G2B13	FQ741BB2	G5B11	FG781BC2	H4B12	FC763AL2	H5C37	FC831CH6	J5C06	WPC1CAK4	K4B05	FC512AF4
F2D12	FQ775AU2	G2D02	FQ783AV6	G5B12	FG712BC2	H4B13	FC272AA2	H5C38	FC741AZ2	J5C07	WPC1CAL4	K4B06	FC721AK6
F2D13	FQ775AE2	G2D03	FQ711BB6	G5D02	FG772AR6	H4B14	FC832BP6	H5C39	FC831BG2	J5C08	K4P1C	K4P1C	FC731EJ6
F3B02	FQ831BS6	G2D04	FC711BD2	G5D03	FG783AC2	H4C02	FG832AH6	H5C40	FC721BF2	J5C09	FC762AA2	K4P11	FC731ES2
F3B03	FQ771AW6	G2D05	FQ782AW6	G5L04	FG832BF6	H4C03	FC832BM6	H5C41	FC831AC6	J5C10	FC783AL2	K4P12	FC731EKA6
F3B04	FQ741AV2	G2D06	FG783AK6	G5D05	FG811AC2	H4C04	FC831BK2	H5C42	FC831AC6	J5C11	FC741BC2	K4P13	FC732AC6
F3B05	FQ773AF2	G2D07	FQ781BR6	G5D06	FG742AL2	H4C05	FC831BL2	H5C43	FC832BG6	J5D12	FC722AKE	K4C02	FC721EJ2
F3B07	WPO1CAJ4	G2D09	WPO1JAK2	G5D07	FG772AP6	H4C06	FG781BL2	H5C44	FC831AN6	J5D13	FC843AC2	K4C03	FC731EJ2
F3B08	WPO1CAL6	G2D10	FQ784AV2	G5D09	FG711AM2	H4C07	FC881AG6	H5C45	FC721AH6	J6AC2	FC843AC2	K4C04	FC813AT2
F3B09	FQ771AC2	G2D11	FQ784AZ2	G5D10	FG711AM2	H4C08	FC881BK2	H5C46	FC832BF6	J6BC4	FC844AA2	K4C05	FC732AF6
F3B11	FQ772AP6	G2D12	FQ766AT2	G5D11	FG781BC2	H4C09	FC881AG6	H5C47	FC831BH6	J6CC2	FC844AA2	K4C06	FC732AR6
F3B12	FQ772AU6	G2D13	FQ775AH6	G5D12	FG782AL2	H4C10	FC881BK2	H5C48	FC831BA2	J6CC4	FC764ACE	K4C07	FC752AF6
F3B13	WPO1CAM2	G3B02	FQ711AH6	G6A02#	WPC1CAC6	H4C11	FC881AB6	H5C49	FC831BC6	J6CC4	FC764ACE	K4C08	FC732AF6
F3C02	FQ766AD2	G3B03	FQ781BA6	G6A04#	WPC1CAN2	H4C12	FC881AF2	H5C50	FC881AC6	J6EC2	FC844AC2	K4C09	FC731EJ4
F3C03	FQ851AX2	G3B04	FC861AM6	H2B02	FG861AF2	H4C13	FC766AC6	H5C51	FC831BF2	J6EC2	FC844AC2	K4C10	FC741EN2
F3C04	FQ765BW2	G3B05	FG783AW6	H2B03	FG766AR2	H5B02	FC781AM6	H5C52	FC881AC6	J6EC2	FC884AM4	K4C11	FC731EC6
F3C05	FQ772AF6	G3B07	FG784BG4	H2B04	FG861AE2	H5B03	FG882AP2	H5C53</td					

DATE 03-21-75

MST-1 BCARD DISCRETE WIRE EQUIVALENT LIST SEQUENCED BY PIN NUMBER

PAGE 3

PART NO. 5554802

E.C. NO. 824895

VERSION 000

SIZE SINGLE

MACHINE 1403SM15

LOCATION CIA-E1

PIN ID: # - I/O PIN

*-I/O & LOGIC

V-VOLTAGE/GROUND

NOTE: 'T' FOLLOWING PIN LOCATION INDICATES TERMINATING RESISTOR

PIN	NET NO.	PIN	NET NO.	PIN	NET NO.	PIN	NET NO.	PIN	NET NO.	PIN	NET NO.	PIN	NET NO.	PIN	NET NO.		
K5D02	FQ732AF6	M2B09	FQ784BG4	M5B02	FQ762AG2	N3C11	FQ881BS4	P3BC5	FC884AR2	R5PC5	FC411AE4	T3PC4	FC274EE4	V			
K5D03	FQ731AR2	M2B10	FQ811AN6	M5B03	FQ811AK2	N3C12	FQ882AP2	P3BC7	FC765BG6	R5PC6	FC411AE4	T3PC5	FC274EE4				
K5D04	FQ731BE4	M2B11	FQ753AX2	M5B04	FQ752BK6	N4B07	FQ752PK4	P3BC8	FC881AA2	R5PC7	FC411AE4	T3PC6	FC922EF4				
K5D05	FQ742AH2	M2B12	FQ756AF6	M5B05	FQ781BC2	N4B08	FQ881AL6	P3BC9	FC753AL6	R5PC8	FC411AE4	T3PC7	FC906AC6				
K5D06	FQ731AD2	M2B13	FQ754AZ6	M5B07	FQ753AU6	N4B09	FQ884AM4	P3B10	FC884AK6	R5PC9	FC411AE4	T3PC8	FC754AZ6				
K5D07	FQ721BH6	M2D02	FQ766AB2	M5B08	FQ755BF4	N4B10	FQ884AT2	P3B11	FC882AG6	R5PC10	FC411AE1	T3PC9	FC274AC4				
K5D09	FQ742AJ2	M2D03	FQ766AJ2	M5B09	FQ755AF2	N4B12	FQ884AU2	P3B12	FC752BH4	R5PC11	FC411AE1	T3PC10	FC274AR4				
K5C10	FQ731AH2	M2D04	FQ811AJ6	M5B10	FQ784BK2	N4C02	FQ885BK2	P3CC2	FC892AG2	S4B08	FC411AE1	T3B11	FC275AC4				
K5C12	FQ752BK4	M2D05	FQ732AK2	M5B11	FQ756BF6	N4C04	FQ885BF6	P3CC3	FC765BM6	S4B09	FC905PC6	T3B12	FC274AF4				
K5C13	FQ731AP2	M2D06	FQ813AP2	M5B12	FQ755AL2	N4C05	FQ755ATE	P3CC4	FC765BP6	S4B09	FC512AC4	T3B13	FC275AF4				
K6A04#	FQ764AH6	M2D07	FQ755BM2	M5B13	FQ753AV6	N4C06	FQ752BJ4	P3CC5	FC765PP6	S4B10	FC421AE2	T3CC2	FC922EE4	V			
K6B02#	FQ844AD2	M2D09	FQ754AL6	M5D02	FQ784AV2	N4C09	FQ881AH6	P3CC6	FC881AF2	S4B12	FC881AH6	T3CC3	FC275EE4				
K6B04#	FQ931BD4	M2D10	FQ755AT6	M5C03	FQ756BJ6	N4C10	FQ881AJ6	P3CC7	FC765BK6	S4B13	FC906AK6	T3CC4	FC906AE6				
L2B02	FQ753AT6	M2D11	FQ783B6	M5C04	FQ752AY6	N4C11	FQ884AR2	P3CC9	FC892AC6	S4CC2	FC882AK6	T3CC5	FC274EE4				
L2B03	FQ931BL4	M2D12	FQ762AP6	M5C06	FQ754AP2	N4C12	FQ721BP6	P3CC10	FC765BL6	S4CC3	FC512AC9	T3CC6	FC906AJ6				
L2B04	FQ753AV6	M2D13	FQ756AZ2	M5D07	FQ756BC6	N4C13	FQ884AS2	P3CC11	FC892AP6	S4CC5	FC512AC6	T3CC7	FC781ARE				
L2B05	FC904AL2	M3B02	FQ742AM2	M5C09	FQ755BE2	N5B02	FQ752AC2	P3C12	FC765BF6	S4CC9	FC512ACE	T3C10	FC274AJ4				
L2B07	FQ753AU6	M3B03	FQ753AY2	M5D10	FQ755BC4	N5B04	FQ885BL6	P4PC2	FC885BG4	S4C11	FC421ABE	T3C11	FC275AJ4				
L2B09	FQ893AC2	M3B04	FQ752AL6	M5D12	FQ756BF6	N5B05	FQ885BL6	P4PC3	FC903AE6	S4C12	FC906AN6	T3C12	FC275EW4				
L2B10	FQ753AS6	M3B05	FQ752AL6	M5D13	FQ784BE2	N5B07	FQ885BL6	P4PC4	FC903AF6	S4C13	FC512AC3	T4B02	FC275EX4				
L2B11	FQ754AZ6	M3B07	FQ756BA2	M5D13	FQ775AU2	N5B08	FQ885BL6	P4BC5	FC753AS2	S5BC2	FC906AJ6	T4B03	FC275ASE				
L2B12	FQ891AQ6	M3B08	FQ783AC2	M6AU4#	FQ931CC6	N5B09	FQ885BL6	P4BC6	FC902AH6	S5BC4	FC832BX2	T4B05	FC272AE2				
L2B13	FQ752AP6	M3B09	FQ756AL4	M6B02#	FQ775AT2	N5B10	FQ755BL2	P4BC7	FC512AC0	S5BC5	FC411ABE	T4B06	FC272AE2				
L2C02	FQ892AK6	M3B10	FQ754AB2	M6B04#	FQ931CR2	N5C01	FQ755BL2	P4BC9	FC902AJ6	S5BC7	FC512AC7	T4B04	FC852AAE2				
L2C04	FQ753BA6	M3B11	FQ784AK6	M6C02#	FQ831BL6	N5C02	FQ885BN6	P4B10	FC902AH6	S5BC9	FC905AG2	T4B05	FC272AE2				
L2C05	FQ891AS2	M3B12	FQ754AC6	M6D02#	FQ931CR4	N5C05	FQ755BP2	P4B12	FC904AG6	S5BC7	FC411ABE	T4B06	FC272AE2				
L2C06	FQ741CJ2	M3B13	FQ755BL2	M6D02#	FQ931CR6	N5C11	FQ773EA6	P4B13	FC903AG6	S5BC9	FC512AC2	T4B07	FC272AE2				
L2C07	FQ891AR6	M3D02	FQ783AZ2	M6E04#	FQ902AK6	N6A02#	FQ931CA2	P4CC2	FC755BE2	S5B11	FC905AC2	T4B08	FC272AE2				
L2C09	FQ752BJ4	M3D03	FQ763AU2	N2B03	FQ884AX2	N2B04	FQ902AF6	P4CC3	FC778ANE	P4CC4	FC512AC1	T4B11	FC781EF2				
L2C10	FQ893AF2	M3D04	FQ784AX2	N2B05	FQ884AV2	N2B05	FQ902AJ6	P4CC4	FC931PC2	P4CC9	FC905AC2	T4B12	FC891AS2				
L2C11	FQ891AM6	M3D05	FQ783BK6	N2B10	FQ884AV2	N2B10	FQ902AK6	P4CC5	FC732AN6	S5CC2	FC905AC6	T4B13	FC905AKE	V			
L2C12	FQ892AL6	M3D06	FQ811AP2	N2B12	FQ753BK6	N2B13	FQ512AC4	N6C04#	FC931CA6	P4C10	FC732AM6	S5CC3	FC512AC2	T4B14	FC852AM6		
L2C13	FQ892AD6	M3D07	FQ752AR6	N2B13	FQ752AR6	N2D03	FQ512AC1	N6E02#	FC931PC4	P4C11	FC732AH6	S5DC4	FC905AK6	T4C02	FC851AL2		
L3B02	FQ752AY6	M3D09	FQ751AC6	N2D03	FQ751AC6	N2D04	FQ902AG6	N6E04#	WPC1CAL4	P4C12	FC756AZ2	P4C13	FC512AC5	T4C03	FC274EE4		
L3B03	FQ891AT2	M3D10	FQ751AC6	N2D04	FQ766AK2	N2D05	FQ902AJ6	P2B02	FC756AL4	P4C14	FC732AC3	S5EC6	FC512AC2	T4C04	FC272AF2		
L3B04	FQ881AN6	M3D11	FQ752AJ2	N2D05	FQ732AC2	N2D07	FQ884AX2	P2B03	FC756AL4	P4C15	FC732AC1	S5EC7	FC512AC1	T4C05	FC891AS2		
L3B05	FQ881AG6	M3D12	FQ753AC2	N2D07	FQ752AP6	N2D09	FQ881BC6	P2B05	FC756AY2	P4C16	FC732AR6	S5E11	FC512AC6	T4C06	FC852AM6		
L3B07	FQ753AY2	M3D13	FQ752AP6	N2D09	FQ752AP6	N2D10	FQ881BC6	P2B07	FC884AV2	P4C17	FC753AY2	S5E12	FC411ABE	T4C07	FC272AF2		
L3B08	FQ892AT2	M4B02	FQ752AP6	N2D10	FQ884AX2	N2D10	FQ884AX2	P2B08	FC884AU2	P4C18	FC884AU2	S5E13	FC512AC8	T4C08	FC272AF2		
L3B10	FQ892AG2	M4B03	FQ755BP2	N2D10	FQ881BC6	N2D10	FQ881BC6	P2B09	FC884AV2	P4C19	FC884AV2	S5E14	FC512AC1	T4C09	FC852AC6		
L3B12	FQ751AK6	M4B04	FQ753AS2	N2D11	FQ881AK6	N2D11	FQ902AG6	P2B09	FC884AV2	P4C20	FC884AV2	S5E15	FC411ABE	T4C10	FC272AC2		
L3C02	FQ784AD6	M4B07	FQ753AG6	N2D12	FQ753AG6	N2D13	FQ512AC3	P2B09	FC884AV2	P4C21	FC884AV2	S5E16	FC781EG2				
L3C03	FQ882AT6	M4B08	FQ754AH2	N2D13	FQ754AH2	N2D13	FQ903AF6	P2B10	FC884AV2	P4C22	FC884AV2	S5E17	FC272AG2				
L3C04	FQ881BQ6	M4B09	FQ831AD6	N2D13	FQ831AD6	N2D13	FQ881AG6	P2B12	FC884AV2	P4C23	FC8						

DATE 03-21-75

PAGE 5

PART NO.	5554802	E.C. NO.	824895	VERSION CCC	SIZE SINGLE	VOLTAGE PINS	MACHINE 14C3SM15	LOCATION C1A-E1
A2C06	-4.0	A3C06	-4.0	A4C06	-4.0	A5C06	-4.0	B2A14
B2C06	-4.0	B3A14	-4.0	B3C06	-4.0	B3E01	-4.0	B4A14
B4C06	-4.0	B4E01	-4.0	C5C06	-4.0	C1B13	-4.0	C2CC6
C3C06	-4.0	C4C06	-4.0	D4B06	-4.0	D5B06	-4.0	D6B05
D2B06	-4.0	D3B06	-4.0	E3B06	-4.0	E4B06	-4.0	E5B06
D6C02	-4.0	E2B06	-4.0	F4B06	-4.0	F5B06	-4.0	G1C13
F2B06	-4.0	F3B06	-4.0	G2B06	-4.0	G3B06	-4.0	G5B06
G1D10	-4.0	G2B06	-4.0	H2B06	-4.0	J4B06	-4.0	H4B06
G6C05	-4.0	G6D02	-4.0	I2B06	-4.0	K4B06	-4.0	J5B06
H5B06	-4.0	J2B06	-4.0	K2B06	-4.0	L4B06	-4.0	K5B06
K1E13	-4.0	K2B06	-4.0	L1A10	-4.0	M4B06	-4.0	L5B06
K6E05	-4.0	L1A10	-4.0	L6A02	-4.0	N4B06	-4.0	P4B06
L5B06	-4.0	L6A02	-4.0	N2B06	-4.0	P6B05	-4.0	P5B06
M5B06	-4.0	P1C10	-4.0	P2B06	-4.0	R2B06	-4.0	Q4B06
P1B13	-4.0	P6B05	-4.0	P6C02	-4.0	S1C10	-4.0	R5B06
P5B06	-4.0	Q5B06	-4.0	R2B06	-4.0	S1C05	-4.0	S4B06
Q4B06	-4.0	S1C13	-4.0	S1C10	-4.0	T4C06	-4.0	T3C06
R5B06	-4.0	S5B06	-4.0	T4C06	-4.0	U3C06	-4.0	U3A14
S4B06	-4.0	U3C06	-4.0	U3E01	-4.0	U5C06	-4.0	U4E01
T3C06	-4.0	V5C06	-4.0	U5E01	-4.0	V2C06	-4.0	V4C06
U3A14	-4.0							
U4E01	-4.0							
V4C06	-4.0							
A1C13	GND	A2C03	GND	A2C04	GND	A2C07	GND	A2C11
A2C12	GND	A2D08	GND	A3C03	GND	B2C04	GND	A3C07
A3C11	GND	A3C12	GND	A3C08	GND	A4C02	GND	A4C04
A4C07	GND	A4C11	GND	A4C12	GND	A5C12	GND	A5C03
A5C04	GND	A5C07	GND	A5C11	GND	B1E112	GND	A5C08
A6E04	GND	B1A11	GND	B1C13	GND	B2C112	GND	B2C03
B2C04	GND	B2C07	GND	B2C11	GND	B3C14	GND	B3C07
B2E14	GND	B3A01	GND	B3C03	GND	B4C111	GND	B4A01
B3C11	GND	B3C12	GND	B3C08	GND	B5C07	GND	B4C12
B4C03	GND	B4C04	GND	B4C07	GND	B6A02	GND	B5C04
B4C08	GND	B4E14	GND	B5A01	GND	C2C03	GND	C2C08
B5C07	GND	B5C11	GND	B5C12	GND	C3C11	GND	C3C12
B6D04	GND	B6E02	GND	B6C12	GND	C4C07	GND	C4C11
C2C04	GND	C2C07	GND	C1C13	GND	C5C02	GND	C5C07
C3C03	GND	C3C04	GND	C2C11	GND	C6C02	GND	C6C08
C3D08	GND	C4C03	GND	C3C07	GND	C7C08	GND	C7C11
C4C12	GND	C4D02	GND	C4C04	GND	C8C04	GND	C8C08
C5C11	GND	C5C12	GND	C5C03	GND	C9C08	GND	C9C13
D1B10	GND	D1C13	GND	C5C08	GND	D1A13	GND	D1B11
D5D08	GND	D6B02	GND	C6C05	GND	E4C08	GND	E5C08
E1E13	GND	E2D08	GND	C6C08	GND	E1A13	GND	E1B11
E6A04	GND	E6B02	GND	C6E04	GND	E4D08	GND	E5D08
F1E11	GND	F2D08	GND	C3C08	GND	F4D08	GND	F5D08
F6A02	GND	F6D04	GND	C3C08	GND	G1C13	GND	G6C02
G2D08	GND	G3D08	GND	G4D08	GND	G2D08	GND	G3D08
G6C05	GND	H1B13	GND	H1C11	GND	J2D08	GND	J3D08
H4C08	GND	H5D08	GND	H6B04	GND	J6B02	GND	J7B08
J1B11	GND	J1E13	GND	J2D08	GND	K2D08	GND	K3D08
J5C08	GND	J6A04	GND	J6B02	GND	J6E04	GND	K1A11
K1E10	GND	K2D08	GND	K3D08	GND	K4D08	GND	K5C08
K6A02	GND	K6E02	GND	L1A13	GND	L1E13	GND	L2C08
L3D08	GND	L4D08	GND	L5C08	GND	M2D08	GND	M3C08
M1A11	GND	M1D13	GND	M1E11	GND	M2D08	GND	M3C08
M4C08	GND	M5D08	GND	M6A02	GND	M6D04	GND	M7C08
N1C13	GND	N1D11	GND	N2C08	GND	N2D08	GND	N3C08
N5C08	GND	N6C04	GND	N6D02	GND	N6D02	GND	N7C08
P2C08	GND	P3D08	GND	P4C08	GND	P5DCE	GND	P6C02

DATE 03-21-75

PAGE 6

PART NO.	E.C. NO.	824895	VERSION OCC	SIZE SINGLE	MACHINE 14C3SM15	LOCATION CIA-P1
VOLTAGE PINS						
P6C05	GND	C1A13	GND	C1B11	GND	C2E08
Q3D08	GND	Q4D08	GND	C5C08	GND	C6E02
Q6E04	GND	R1A11	GND	R1C13	GND	R2E08
R3D08	GND	R4D08	GND	R5C08	GND	R6E04
R6E02	GND	S1C10	GND	S1C13	GND	S2E08
S4C08	GND	S5D08	GND	S6CC2	GND	T1B13
T1C11	GND	T2C03	GND	T2C04	GND	T2C11
T2C12	GND	T2D08	GND	T3C03	GND	T3C07
T3C11	GND	T3C12	GND	T3C08	GND	T4CC4
T4C07	GND	T4C11	GND	T4C12	GND	T5CC3
T5C04	GND	T5C07	GND	T5C11	GND	T5E08
T6B04	GND	T6C02	GND	U1A13	GND	L1E13
U2C03	GND	U2C04	GND	U2C07	GND	U2C12
U2C08	GND	U2E14	GND	U3A01	GND	U3C04
U3C07	GND	U3C11	GND	U3C12	GND	U3E14
U4A01	GND	U4C03	GND	U4C04	GND	U4C11
U4C12	GND	U4D03	GND	U4E14	GND	U5CC3
U5C04	GND	U5C07	GND	U5C11	GND	U5E08
U6A04	GND	U6B02	GND	U6E04	GND	V1A11
V2C04	GND	V2C07	GND	V2C11	GND	V2C12
V3C03	GND	V3C04	GND	V3C07	GND	V3C11
V3D08	GND	V4C03	GND	V4C04	GND	V4CC7
V4C12	GND	V4D08	GND	V5C03	GND	V5CC4
V5C11	GND	V5C12	GND	V5C08	GND	V6AC2

FOR ANY VOLTAGE PIN NOT INDICATED IN THE VOLTAGE PIN LIST, USE THE NET NUMBER TO LOCATE THE ALC PAGE FOR DETERMINING THE VOLTAGE INFORMATION

END OF LIST

SOLID LOGIC DESIGN AUTOMATION—1 SOCKET LISTING

F0891	2E	2F	2G	2H	2J	2K
L6	CONNECTOR					
D02	F0931C04					
D04	F0773A02					
E02	F0762AL2					
F0756	00	01	03	04	05	06
F0755	07					
F0753	08	09	0A	0B		
F0754	0C	0D				
F0751	0E					
F0756	0F					
F0755	0G	0H	0J			
F0753	0K	0L				
F0752	0N	0O	0Q	0R	0S	
F0753	0T	0U				
F0755	0V	0W				
F0751	0X					
F0753	0Y					
F0751	0Z					
F0755	10					
F0751	11	12				
F0755	13	14	15			
F0751	16					
F0753	17	18	19			
F0752	1A	1B				
F0753	1C					
F0754	1D					
F0751	1E					
F0754	1F					
F0756	1G					
F0753	1H					
F0751	1J	1K	1L	1M		
F0752	1N	1P				
F0753	1Q					
F0754	1R					
F0752	1T					
F0756	1U					
F0751	1V					
F0753	1W					
F0752	1X					
F0754	1Y					
F0755	1Z					
F0756	20	21				
F0754	22	23				
F0755	24	25				
F0753	26	27	28	29	2A	2B
F0756	2C	2D				
F0753	2E					
F0752	2F					
F0753	2G					
F0752	2H					
F0753	2I					
F0752	2J					
F0753	2K					
F0752	2L					
F0753	2M					
F0752	2N					
F0753	2O					
F0752	2P					
F0753	2Q					
F0752	2R					
F0753	2S					
F0752	2T					
F0753	2U					
F0752	2V					
F0753	2W					
F0752	2X					
F0753	2Y					
F0752	2Z					
F0753	30					
F0752	31					
F0753	32					
F0752	33					
F0753	34					
F0752	35					
F0753	36					
F0752	37					
F0753	38					
F0752	39					
F0753	3A					
F0752	3B					
F0753	3C					
F0752	3D					
F0753	3E					
F0752	3F					
F0753	3G					
F0752	3H					
F0753	3I					
F0752	3J					
F0753	3K					
F0752	3L					
F0753	3M					
F0752	3N					
F0753	3O					
F0752	3P					
F0753	3Q					
F0752	3R					
F0753	3S					
F0752	3T					
F0753	3U					
F0752	3V					
F0753	3W					
F0752	3X					
F0753	3Y					
F0752	3Z					
F0891	40	41	42	43	44	45
F0892	46	47	48	49	4A	4B
F0893	4C	4D	4E	4F	4G	4H
F0894	4I	4J	4K	4L	4M	4N
F0895	4P	4Q	4R	4S	4T	4U
F0896	4V	4W	4X	4Y	4Z	4A
F0897	4B	4C	4D	4E	4F	4G
F0898	4H	4I	4J	4K	4L	4M
F0899	4N	4O	4P	4Q	4R	4S
F0890	4U	4V	4W	4X	4Y	4Z
F0891	4B	4C	4D	4E	4F	4G
F0892	4H	4I	4J	4K	4L	4M
F0893	4N	4O	4P	4Q	4R	4S
F0894	4U	4V	4W	4X	4Y	4Z
F0895	4B	4C	4D	4E	4F	4G
F0896	4H	4I	4J	4K	4L	4M
F0897	4N	4O	4P	4Q	4R	4S
F0898	4U	4V	4W	4X	4Y	4Z
F0899	4B	4C	4D	4E	4F	4G
F0890	4H	4I	4J	4K	4L	4M
F0891	4N	4O	4P	4Q	4R	4S
F0892	4U	4V	4W	4X	4Y	4Z
F0893	4B	4C	4D	4E	4F	4G
F0894	4H	4I	4J	4K	4L	4M
F0895	4N	4O	4P	4Q	4R	4S
F0896	4U	4V	4W	4X	4Y	4Z
F0897	4B	4C	4D	4E	4F	4G
F0898	4H	4I	4J	4K	4L	4M
F0899	4N	4O	4P	4Q	4R	4S
F0890	4U	4V	4W	4X	4Y	4Z
F0891	4B	4C	4D	4E	4F	4G
F0892	4H	4I	4J	4K	4L	4M
F0893	4N	4O	4P	4Q	4R	4S
F0894	4U	4V	4W	4X	4Y	4Z
F0895	4B	4C	4D	4E	4F	4G
F0896	4H	4I	4J	4K	4L	4M
F0897	4N	4O	4P	4Q	4R	4S
F0898	4U	4V	4W	4X	4Y	4Z
F0899	4B	4C	4D	4E	4F	4G
F0890	4H	4I	4J	4K	4L	4M
F0891	4N	4O	4P	4Q	4R	4S
F0892	4U	4V	4W	4X	4Y	4Z
F0893	4B	4C	4D	4E	4F	4G
F0894	4H	4I	4J	4K	4L	4M
F0895	4N	4O	4P	4Q	4R	4S
F0896	4U	4V	4W	4X	4Y	4Z
F0897	4B	4C	4D	4E	4F	4G
F0898	4H	4I	4J	4K	4L	4M
F0899	4N	4O	4P	4Q	4R	4S
F0890	4U	4V	4W	4X	4Y	4Z
F0891	4B	4C	4D	4E	4F	4G
F0892	4H	4I	4J	4K	4L	4M
F0893	4N	4O	4P	4Q	4R	4S
F0894	4U	4V	4W	4X	4Y	4Z
F0895	4B	4C	4D	4E	4F	4G
F0896	4H	4I	4J	4K	4L	4M</

SOLID LOGIC DESIGN AUTOMATION → SOCKET LISTING

page 01

CONNECTOR	
B02	MPO1 DPC4
B04	MPO1 DAE2
B05	MPO1 DAF4
B06	MPO1 DAE6
B08	MPO1 DAE8
B09	MPO1 DPA8
B10	MPO1 DAF2
B12	MPO1 DAF4
B13	MPO1 DAF8
D02	MPO1 DCD4
D03	MPO1 DCD6
D05	MPO1 DCE2
D06	MPO1 DCE4
D07	MPO1 DCE6
D09	MPO1 DAF2
D10	MPO1 DAF4
D11	MPO1 DAF6
D13	MPO1 DCE2

FQ852	1A
FQ851	1B
FQ854	1E
FQ855	1F
FQ851	1G
FQ852	1H
FQ853	1J
FQ855	1K
FQ854	1L
FQ851	1M
FQ852	1N
FQ853	1R
FQ851	1S
FQ854	1U
FQ855	1V
FQ853	1W
FQ854	1X
FQ851	1Y
FQ854	20
FQ854	21
	22
	23

FQ771	2J	
FQ773	2K	2L
FQ771	2R	2N 2P 2O
FQ776	2R	2S
FQ773	2T	
FQ778	2U	2V 2W
FQ775	2X	
FQ776	2Y	2Z 3O 3I 3Z
FQ773	3A	
FQ776	3B	
FQ773	3C	
FQ772	3D	
FQ774	3E	3B
FQ776	3F	3A
FQ771	3G	3C 3D
FQ773	3H	3F 3G 3M
FQ774	3J	
FQ773	3K	
FQ776	3L	3M 3N 3P 3O
	3S	

**DO4 F0764RC5
EO2 F0864RC2**

**DOUBLE CARD
8215360 0781**

PO	CONNECTOR
S02	LP010AR2E
S04	LP010AR4B
S05	LP010ACL2
S06	LP010ACG6
S09	LPV10AC412
S09	LP010ACRA
S10	LP010ACR4
S12	LP010ACR6
S13	LP010ACR8
D02	LP010AR2Z
D03	LP010ACR4
D05	LP010ACRA
D05	LP010AR2B
D07	LP010ACB4
D09	LP010ACB6
D10	LP010ACZ2
D11	LP010AC4A
D13	LP010AC8

FQ766	25	26		FQ866	13	
FQ761	27			FQ863	14	
FQ762	28	29		FQ865	15	16 17
FQ766	28			FQ864	18	
FQ762	28			FQ863	19	
FQ764	28			FQ866	1A	
FQ761	28			FQ864	1B	1C
FQ762	28			FQ866	1D	1E
FQ764	28			FQ864	1F	1G
FQ761	28			FQ868	1H	
FQ765	28			FQ863	1J	
FQ763	28			FQ864	1K	1L
FQ762	28			FQ865	1M	1N
FQ761	28			FQ864	1O	1P
FQ765	28			FQ865	1R	1S
FQ762	28			FQ862	1T	1U 1V 1W
FQ761	28			FQ861	1X	
FQ763	30			FQ863	1Y	
FQ765	31			FQ861	1Z	20
FQ761	32			FQ863	21	

FQ851	24	25
FQ852	26	
FQ851	27	
FQ854	28	
FQ855	29	
FQ851	29	
FQ852	28	
FQ854	26	
FQ855	26	
FQ851	2E	
FQ855	2F	26
FQ852	2H	
FQ852	2J	
FQ851	2K	
FQ854	2L	
FQ852	2M	
FQ853	2N	
FQ851	2P	R
FQ855	2Q	25
FQ851	2S	ZU

F6	CONNECTOR	11
B04	WP01 DRK2	
B02	WP01 DRK5	
B04	WP01 DRK4	
C02	WP01 DRK2	
C04	WP01 DRK4	
D02	WP01 DRK4	
E04	WP01 DRK6	
G2	QJRD	CARD
G3	8215559	0778
G4		
G5		

	FQ845	OW	OX	OY	OZ	10	11
		12	13	14			
	FQ842	13	15				
	FQ845	17					
	FQ842	18	19	1A	1B		
	FQ843	1C					
	FQ844	1D					
	FQ845	1E	1F				
	FQ842	1G	1H	1J	1K		
	FQ841	1L	1R	1N	1P		
	FQ845	1Q					
	FQ841	1R	1S				
	FQ842	1T	1U	1V	1W		
	FQ841	1X					
	FQ843	1Y					
	FQ845	1Z	20				
	FQ841	21					
	FQ842	22	23	24	25	26	27
	FQ844	28	29	2A	2B		
	FQ845	2X	21				

QV	QH
QX	QY
Q2	10 11 12
13	14 15
16	
17	
18	
19	
1Q	1S
1C	1D 1E 16 1H 1J
1K	1L 1R
1N	
1P	
1S	
1U	1V 1X
1Y	1Z
20	

A4	CONNECTOR
B02	FQ764RD2
B04	FQ764RC2
B05	FQ731PC6
B06	FQ731CQ2
B08	FQ731BD2
B09	FQ764RJ6
B10	FQ764RQ6
B12	FQ764RH6
B13	FQ731BD4
D02	FQ843AS2
D03	FQ843RD2
D05	FQ843AB2
D06	FQ843RC2
D07	FQ843RD2
D09	FQ844RQ2
D10	FQ876RT6
D11	FQ844RC2
D13	FQ844PD2

FQ762	33		FQ862	23	24
FQ766	34	35 36	FQ863	25	27 28
FQ762	37		FQ864	25	29
FQ766	38	39	FQ865		
FQ761	39	3C 3D	FQ863		20 2E
FQ762	3E		FQ866		
FQ763	3F	3G	FQ867		
FQ765	3H		FQ868		
FQ766	3J	3K 3L 3M 3N	FQ869		
FQ761	3P		FQ864		
FQ766	3Q		FQ866		
CONNECTOR			FQ863		
A04	WP010A/J2		FQ865		
B02	WP010B/E2		FQ865		
B04	WP010B/E4		FQ866		
C02	WP010C/E4		FQ865		
C04	WP010C/J6		FQ862		2X 2Y
D02	WP010D/E6		FQ864		
E04	WP010E/K2		FQ861		

FQ853	ZW
FQ854	ZX
FQ855	ZY ZZ ZO ZT 37 40
E6	CONNECTOR
A02	WP010RA23
B04	WP010RA4B
C02	WP010RA46
C04	WP010RA_L2
D02	WP010RB2
D04	WP010RB6
E02	WP010RB4
F2	QARD
F3	CARD
F4	8234511 Y376
F5	
F6771	00 01 02 03
F6775	04 05 06 07 08

FQ843	2P	28	2R	2S
FQ844	2T	2U	2V	2X
H6	CONNECTOR			
A02	FQ845A52			
A04	FQ764AD2			
B02	FQ843AR2			
C04	FQ764AC2			
D02	FQ843AB2			
D04	FQ931PC6			
E02	FQ843AC2			
E04	FQ931C62			
J2	Q1AD	CARD		
J3	8218257	0783		
J4				
J5				

00 01 02
03 04
05 06 07 08 09 0A
0B
0C
0D
0E OF 06
CH 0J 0K 0L 0M 0N
0P
0R
0S 05
0T 0U 0V
0W
0X
0Y 0Z 10
11 12
13 14 15 16 17 18
19 1R
1A 1C 1D 1E 1F 1G

R&	CONNECTOR
B02	F0773R72
B04	F0775A12
B05	F0931B12
B06	F0931BL6
B08	F0931C06
B09	F0931D02
B10	F0773R96
B12	F0931D46
B14	LPO10CAL4
B02	F0931C04
D03	F0772R12
D05	F0931C06
D06	F0931C02
D07	F0931C44
D09	F0773B4K
D10	F0773B56
D11	F0931PC2
D13	F0931PC4

FQ776	0A
FQ772	0B OC OD OE OF
FQ774	0H
FQ772	0J OK OL OR ON
	0Q OR
FQ774	0S
FQ775	0T OU
FQ774	0V
FQ771	0W OK
FQ773	0Y
FQ775	0Z
FQ774	10 11 12
FQ775	13 14
FQ773	15
FQ775	16 17 18
FQ773	19 1A 1B
FQ775	1C 1D
FQ774	1E
FQ775	1F 1G
FQ771	1H

FQ832	05	06	07		
FQ831	08	09	0A	0B	0C
FQ832	0D				
FQ831	0E				
FQ832	0F				
FQ831	0G	0H			
FQ832	0J				
FQ831	0K	0L	0R		
FQ832	0N	0P			
FQ831	0Q	0R			
FQ832	0S	0T			
FQ831	0U	0V	0W	0X	
FQ832	0Y				
FQ831	0Z	10	11	12	
FQ832	13	14			
FQ831	15	16			
FQ832	17	18	19	1A	
FQ831	1B				
FQ832	1C	1D			
FQ831	1E	1F	1G		

CONNECTOR
F04 FG764AH6
E02 FG944AD2
E04 FG931BD4

DOUBLE CARD
EZ15623 0989

R6	CONNECTOR
D02	MPD1004
S04	MPD1004
E02	MPD1004
R7	Q100 C100
S7	821422-0776

FQ772 1V	E4 E5	FQ852 00 01 02 03 04 05 FQ854 06 07 08 09 FQ855 09 08 FQ857 07 08 09 FQ858 08 09 03 02 01
----------	----------	---

	1J	1K	1L	1R	1N
F0275	1P				
F0274	1Q				
F0271	1R				
F0272	1S				
F0273	1T				
F0274	1U				
F0272	1V	1H	1X		

FG032	1H	1J
FG031	1K	1L
FG032	1M	
FG031	1P	1Q
FG032	1T	
FG031	20	
FG032	21	
FG031	22	

62 23 22 22

	01	02	03	04	05	
F9765	06	07	08	09	08	
	06	09	06	06	01	
	02	06	01	05	01	
	02	05	01	01	01	
	04	05	01	01	01	
	04	05	01	01	01	
	04	05	01	01	01	
F9766	07	02	10	11	12	13
F9767	14	15				
F9768	16					
F9769	16	18				
F9770	16	18				

F0774	17	12
F0775	20	
F0771	21	22
F0772	23	
F0773	24	
F0775	25	
F0772	26	27
F0774	28	29
F0773	29	28
F0774	30	
F0773	30	
F0774	31	
F0773	32	

~~2A 2B 2C 2D~~

X-1 LISTING 14035W18 R
L-73 RACH 1 1
SBOARD DTA-31 1
07-16-73 621607 2
12-31-74 524595 1
74 002
SDB SLK.

+ LOAD MRR FQ754A26- 2

- SNS X ADD HI-LD FQ781A26- 9

- SNS Y ADD HI-LD FQ781A26- 16

- EB-1 FQ781B2- 23

- EB-2 FQ781B2- 30

- BAR BIT 7 FQ906A6- 37

- BAR BIT 6 FQ906A6- 44

- BAR BIT 5 FQ906A6- 51

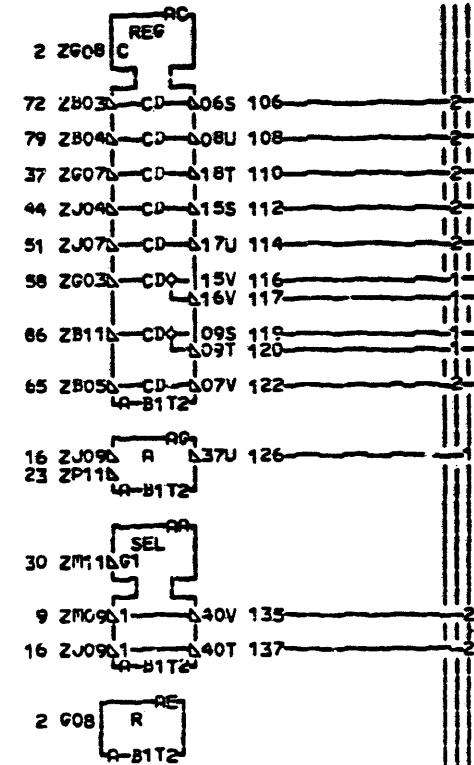
- BAR BIT 4 FQ906A6- 58

- BAR BIT 3 FQ906A6- 65

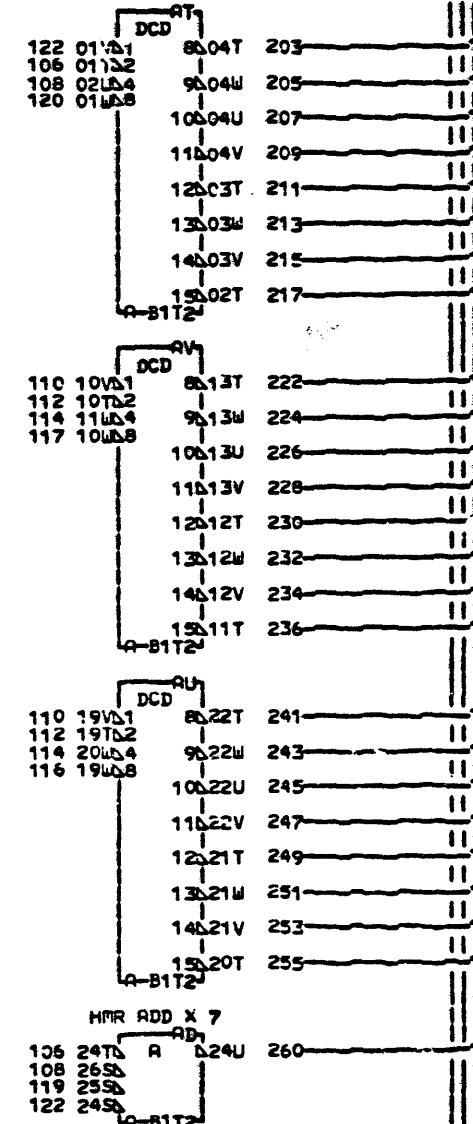
- BAR BIT 2 FQ906A6- 72

- BAR BIT 1 FQ906A6- 79

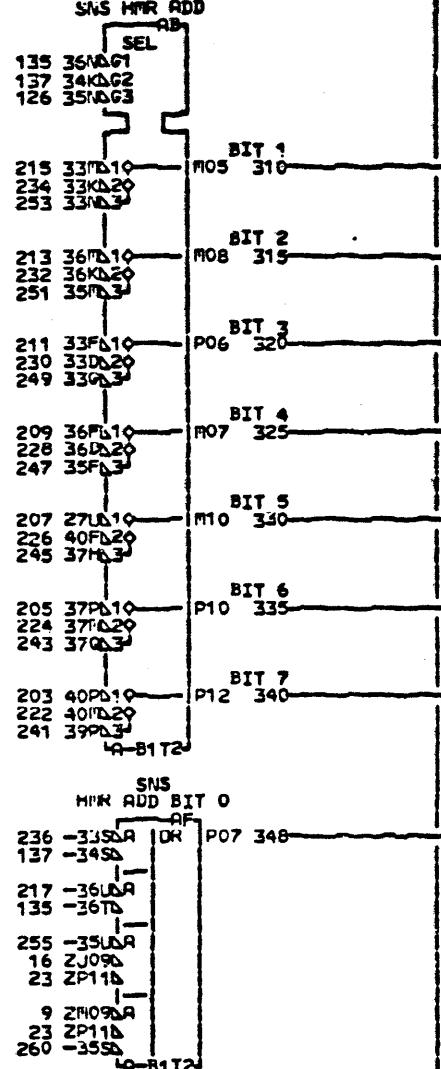
- BAR BIT 0 FQ906A6- 86



2 G08 R
A-B1T2



LUC TYPE
A-B1T2 8427



PAGE VER EC LEV
FQ271 000 821457
FQ272 000 821457

THIS DOCUMENT IS IBM CONFIDENTIAL
UNTIL ANNOUNCEMENT DECLASSIFY
THEREAFTER.

*** FQ271 ***

000 FQ271 FQ272

260 - HMR ADD X 7 FQ273-A56

217 - HMR ADD X F FQ274-AT0

203 - HMR ADD X 8 FQ273-AT3

205 - HMR ADD X 9 FQ273-AT4

207 - HMR ADD X A FQ273-AT5

209 - HMR ADD X B FQ273-AT6

211 - HMR ADD X C FQ273-AT7

213 - HMR ADD X D FQ273-AT8

215 - HMR ADD X E FQ273-AT9

255 - HMR ADD Y 7 FQ275-AU0

241 - HMR ADD Y 0 FQ274-AU3

243 - HMR ADD Y 1 FQ274-AU4

245 - HMR ADD Y 2 FQ274-AU5

247 - HMR ADD Y 3 FQ274-AU6

249 - HMR ADD Y 4 FQ275-AU7

251 - HMR ADD Y 5 FQ275-AU8

253 - HMR ADD Y 6 FQ275-AU9

236 - HMR ADD Y F FQ274-AV0

222 - HMR ADD Y 8 FQ275-AV3

224 - HMR ADD Y 9 FQ275-AV4

226 - HMR ADD Y A FQ275-AV5

228 - HMR ADD Y B FQ275-AV6

230 - HMR ADD Y C FQ274-AV7

232 - HMR ADD Y D FQ274-AV8

234 - HMR ADD Y E FQ274-AV9

*** FQ272 ***

320 + SNS HMR ADD BIT 3 FQ841-AB2

325 + SNS HMR ADD BIT 4 FQ842-AB2

335 + SNS HMR ADD BIT 6 FQ842-AC2

346 + SNS HMR ADD BIT 0 FQ841-AD2

310 + SNS HMR ADD BIT 1 FQ841-AE2

315 + SNS HMR ADD BIT 2 FQ841-AF2

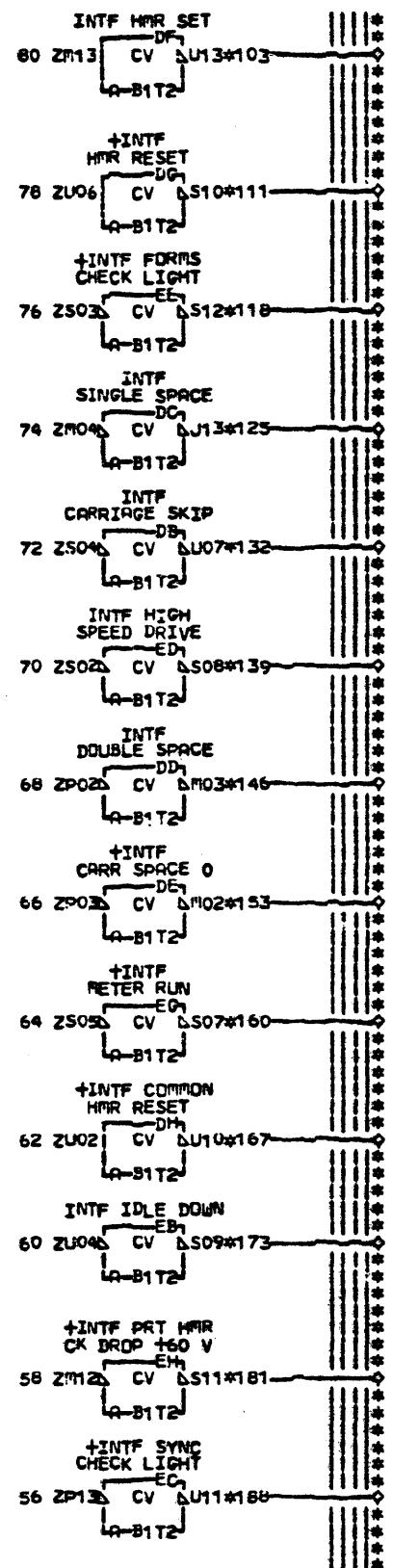
340 + SNS HMR ADD BIT 7 FQ842-AE2

330 + SNS HMR ADD BIT 5 FQ842-AQ4

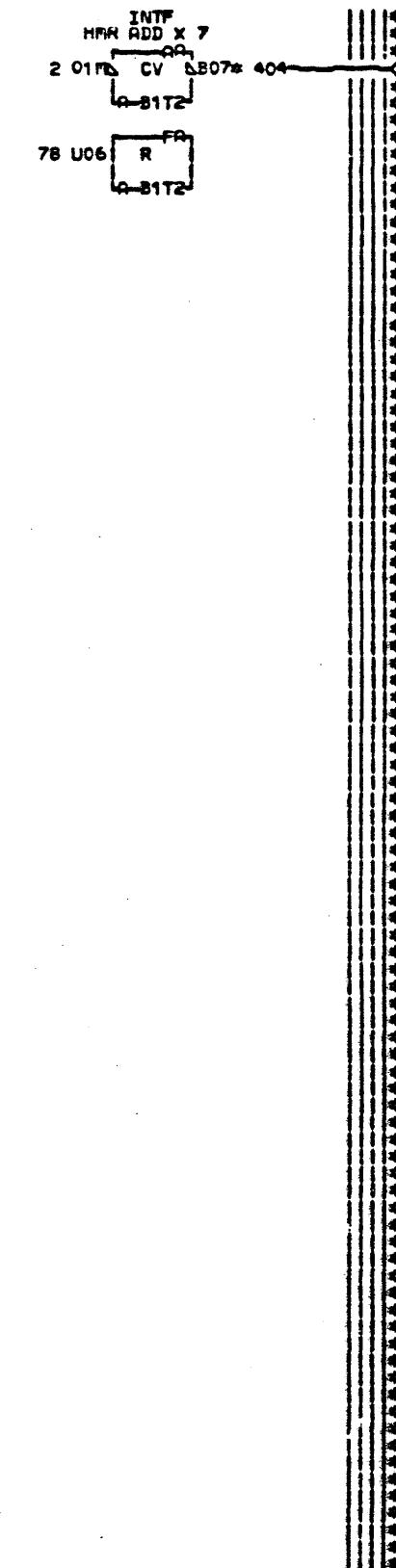
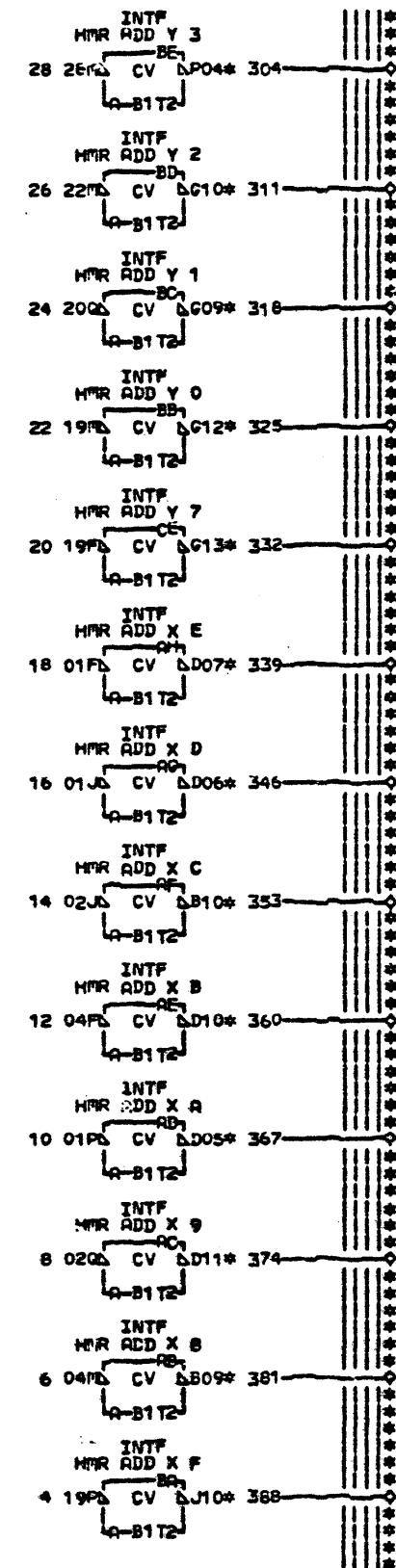
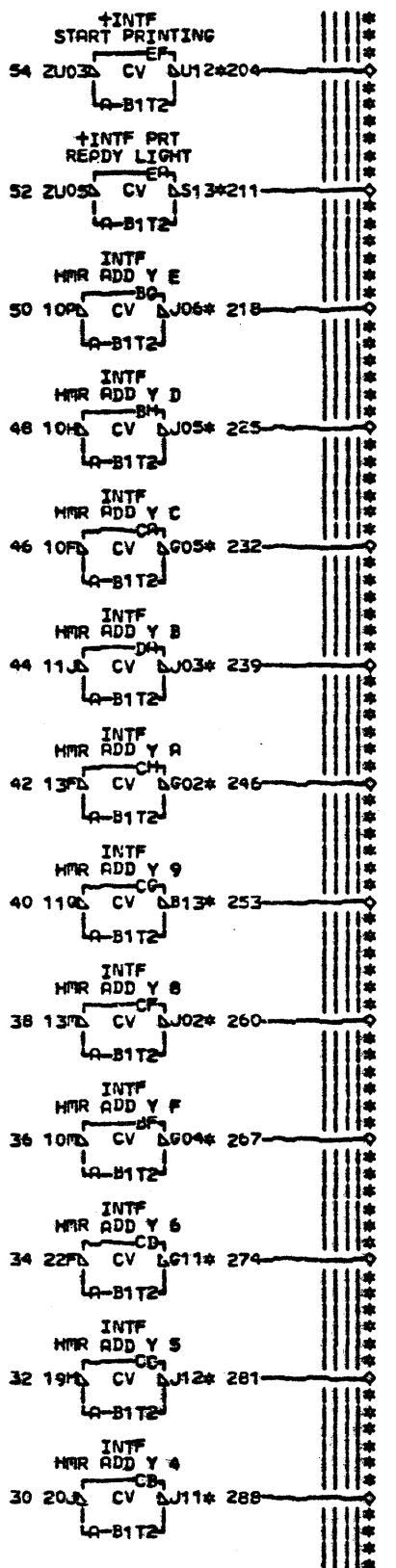
HMR AND HMR DCD SNS HMR ADDR BITS 0 TU 7 E.C.-HISTORY C MACH.1403SM15	
FRAME	01 FQ271
DATE	LAST EC 06-01-73 821457
	P.O. 5555778 000

FQ271
FQ272
000

- HMR ADD X 7 FQ271AS6 2
 - HMR ADD X F FQ271AT0 4
 - HMR ADD X 8 FQ271AT3 6
 - HMR ADD X 9 FQ271AT4 8
 - HMR ADD X A FQ271AT5 10
 - HMR ADD X B FQ271AT6 12
 - HMR ADD X C FQ271AT7 14
 - HMR ADD X D FQ271AT8 16
 - HMR ADD X E FQ271AT9 18
 - HMR ADD Y 7 FQ271AU0 20
 - HMR ADD Y 0 FQ271AU3 22
 - HMR ADD Y 1 FQ271AU4 24
 - HMR ADD Y 2 FQ271AU5 26
 - HMR ADD Y 3 FQ271AU6 28
 - HMR ADD Y 4 FQ271AU7 30
 - HMR ADD Y 5 FQ271AU8 32
 - HMR ADD Y 6 FQ271AU9 34
 - HMR ADD Y F FQ271AV0 36
 - HMR ADD Y 8 FQ271AV3 38
 - HMR ADD Y 9 FQ271AV4 40
 - HMR ADD Y A FQ271AV5 42
 - HMR ADD Y B FQ271AV6 44
 - HMR ADD Y C FQ271AV7 46
 - HMR ADD Y D FQ271AV8 48
 - HMR ADD Y E FQ271AV9 50
 + READY FQ278AS6 52
 + PRINT LATCH FQ811AD2 54
 + CHAIN SYNC CK LA FQ831BG2 56
 + PRINT HMR CK DROP 60V FQ831CH6 58
 - IDLE DOWN FQ831CJ6 60
 - COMMON HMR RESET FQ832BJ2 62
 + CPU METER RUN PURD FQ833AC6 64
 + CARR SPACE 0 FQ851AU2 66
 - DOUBLE SPACE FQ852AM6 68
 - HIGH SPEED DRIVE FQ852AQ6 70
 - CARRIAGE SKIP FQ852AR6 72
 - SINGLE SPACE FQ852AS6 74
 + CARR CHECK FQ854AS6 76
 - HAMMER RESET FQ891AQ6 78
 + HAMMER SET FQ891AS2 80



EDGE CONN. 167 A-B1V4D02 246 A-B1V4B04 325 A-B1V2D02 404 A-B1V2B02
 103 A-B1V4B12 173 A-B1V4D05 253 A-B1V4B02 332 A-B1V2D11
 111 A-B1V4B13 181 A-B1V4D13 260 A-B1V2D13 339 A-B1V2B12
 118 A-B1V4D07 188 A-B1V4D06 267 A-B1V4B10 346 A-B1V2B10
 129 A-B1V5B05 204 A-B1V4U10 274 A-B1V2U10 354 A-B1V2B09
 132 A-B1V5B04 211 A-B1V4D03 261 A-B1V2D09 360 A-B1V2B08
 139 A-B1V5B02 218 A-B1V4B09 268 A-B1V2D07 367 A-B1V2B06
 146 H-B1V5B06 225 H-B1V4B08 304 H-B1V2D05 374 A-B1V2B05
 153 H-B1V5B08 232 H-B1V4B06 311 A-B1V2D05 381 A-B1V2B04
 160 R-B1V4D11 239 A-B1V4B05 318 A-B1V2D03 388 A-B1V2B13

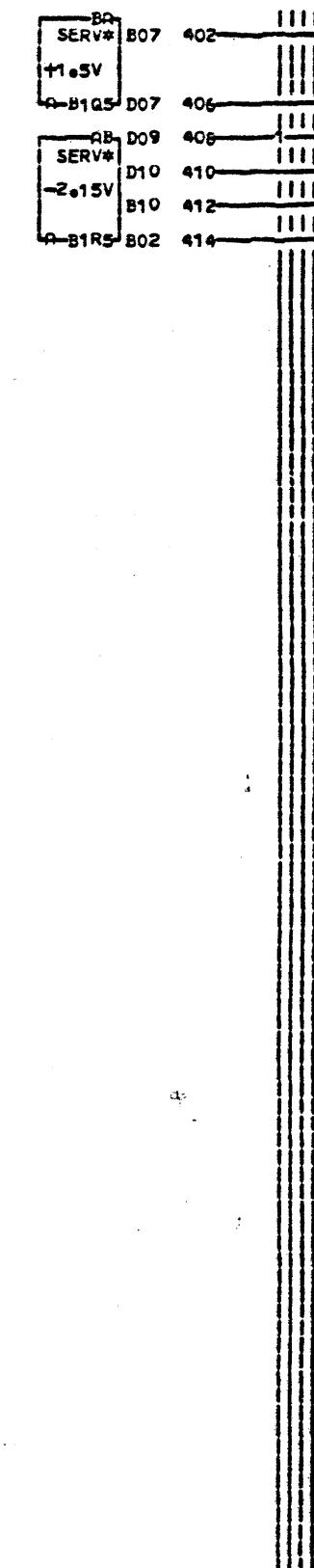
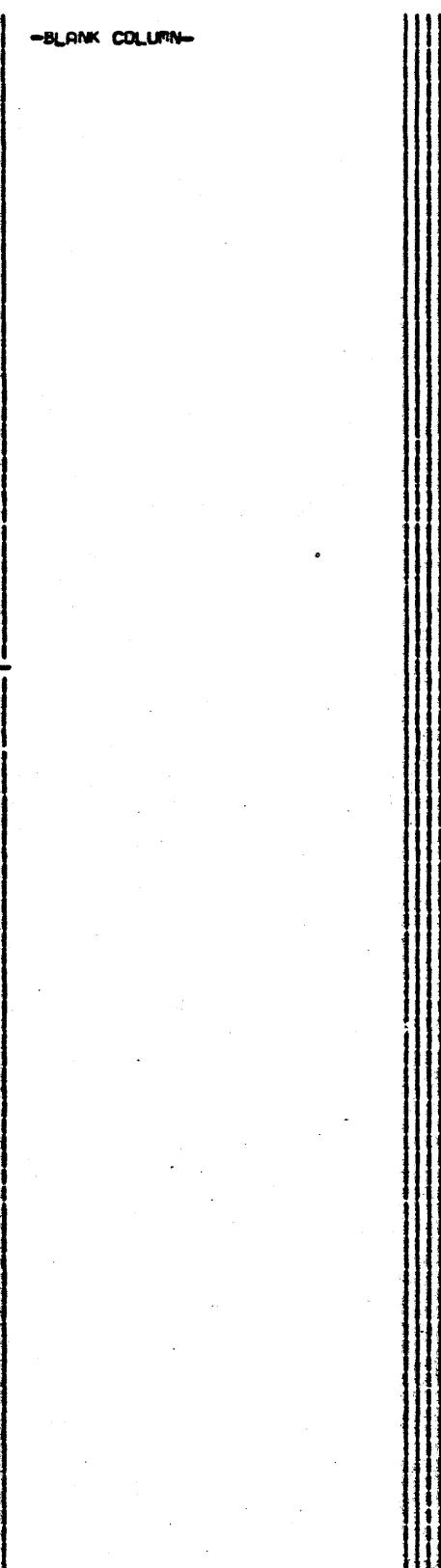
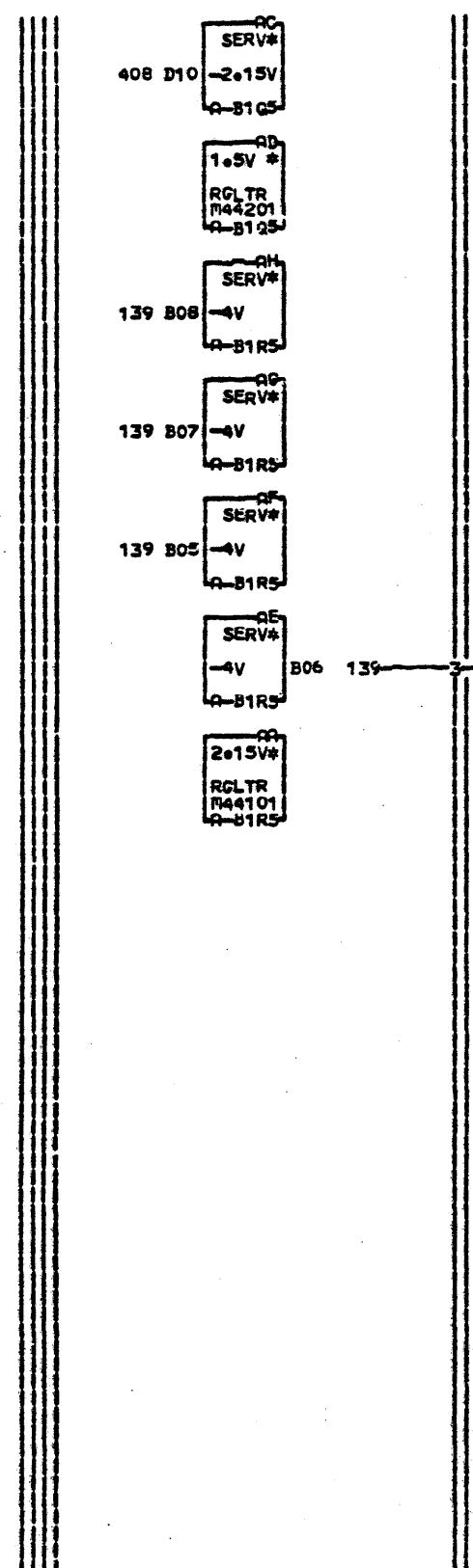


*** FQ273 ***
 404 - INTF HMR ADD X 7 WP130-AJ4
 381 - INTF HMR ADD X 8 WP130-AJ4
 374 - INTF HMR ADD X 9 WP130-AJ4
 367 - INTF HMR ADD X A WP130-AJ4
 360 - INTF HMR ADD X B WP130-BJ4
 353 - INTF HMR ADD X C WP130-BJ4
 346 - INTF HMR ADD X D WP130-BE4
 339 - INTF HMR ADD X E WP130-BH4
 *** FQ274 ***
 388 - INTF HMR ADD X F WP130-AJ4
 325 - INTF HMR ADD Y 0 WP130-AJ4
 318 - INTF HMR ADD Y 1 WP130-AJ4
 311 - INTF HMR ADD Y 2 WP130-AJ4
 304 - INTF HMR ADD Y 3 WP130-BJ4
 267 - INTF HMR ADD Y F WP130-BE4
 218 - INTF HMR ADD Y E WP130-BG4
 225 - INTF HMR ADD Y D WP130-BJ4
 232 - INTF HMR ADD Y C WP130-BR4
 *** FQ275 ***
 288 - INTF HMR ADD Y 4 WP130-AJ4
 281 - INTF HMR ADD Y 5 WP130-AJ4
 274 - INTF HMR ADD Y 6 WP130-AJ4
 332 - INTF HMR ADD Y 7 WP130-AJ4
 260 - INTF HMR ADD Y 8 WP130-BJ4
 253 - INTF HMR ADD Y 9 WP130-BJ4
 246 - INTF HMR ADD Y A WP130-BF4
 239 - INTF HMR ADD Y B WP130-BJ4
 132 - INTF CARRIAGE SKIP WP130-BU4
 125 - INTF SINGLE SPACE WP130-BU4
 146 - INTF DOUBLE SPACE WP130-BX4
 153 + INTF CARR SPACE 0 WP130-BZ4
 *** FQ276 ***
 103 - INTF HMR SET WP130-AH4
 111 + INTF HMR RESET WP130-AL4
 167 + INTF COMMON HMR RESET WP130-AP4
 211 + INTF PRT READY LIGHT WP130-AV4
 173 - INTF IDLE DOWN WP130-BR4
 188 + INTF SYNC CHECK LIGHT WP130-BB4
 139 - INTF HIGH SPEED DRIVE WP130-BF4
 118 + INTF FORMS CHECK LIGHT WP130-BQ4
 204 + INTF START PRINTING WP130-BM4
 160 + INTF METER RUN WP130-BV4
 181 + INTF PRT HMR CK DROP +60 V WP130

PAGE VER EC LEV
 FQ273 000 821457
 FQ274 000 821457
 FQ275 000 821457
 FQ276 000 821457

THIS DOCUMENT IS IBM CONFIDENTIAL
 UNTIL ANNOUNCEMENT DECLASSIFY
 THEREAFTER

HMR ADDR LIST TO SLD CONVERSION	
—E-C— HISTORY —C-MACH-1403SM15	
FRAME	01 FQ273
DATE	LAST EC
06-01-73	821457
IBM CORP.GSB	FQ276
P.N.	5555779 1 000



*** FQ411 000 FQ421
*** FQ411 ***

410 - 2.15 VOLTS ————— FQ512-AB3

412 - 2.15 VOLTS ————— FQ512-AB5

414 - 2.15 VOLTS ————— FQ512-AB7

*** FQ421 ***

402 + 1.5 VOLTS ————— FQ512-AB2

406 + 1.5 VOLTS ————— FQ512-AB6

LOC# TYPE

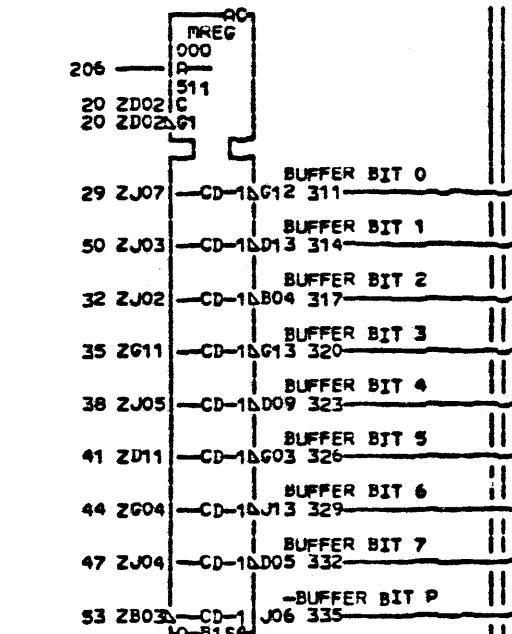
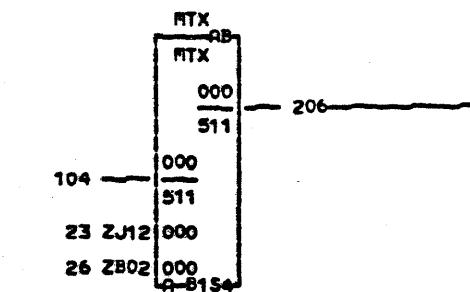
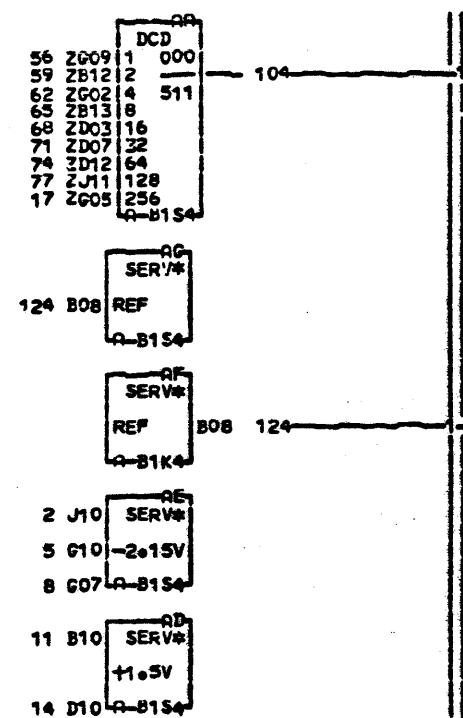
PAGE VER EC LEV
FQ411 000 821457
FQ421 000 821457

THIS DOCUMENT IS IBM CONFIDENTIAL
UNTIL ANNOUNCEMENT DECLASSIFY
THEREAFTER.

+1.5V AND -2.15V REGULATORS	—E-C HISTORY—		C MARCH 14035M15	
FRAME 01	FQ411			
DATE LAST EC	IBM CORP-GSD	FQ421		

FQ411
FQ421
000

- 2.15 VOLTS FQ411AB3- 2-
 - 2.15 VOLTS FQ411AB5- 5-
 - 2.15 VOLTS FQ411AB7- 8-
 + 1.5 VOLTS FQ421AB2- 11-
 + 1.5 VOLTS FQ421AB6- 14-
 - SELECT BUFFER HI FQ832BX2- 17-
 + WRITE - READ FQ892AK6- 20-
 + CARD SELECT FQ893AC2- 23-
 + TP TIMING FQ893AF2- 26-
 + BUFFER IN BIT 0 FQ905AA2- 29-
 + BUFFER IN BIT 2 FQ905AC2- 32-
 + BUFFER IN BIT 3 FQ905AD2- 35-
 + BUFFER IN BIT 4 FQ905AE2- 38-
 + BUFFER IN BIT 5 FQ905AF2- 41-
 + BUFFER IN BIT 6 FQ905AG2- 44-
 + BUFFER IN BIT 7 FQ905AH2- 47-
 + BUFFER IN BIT 1 FQ905AK6- 50-
 + BUFFER IN BIT P FQ905BC6- 53-
 - BAR BIT 7 FQ906AC6- 56-
 - BAR BIT 6 FQ906AH6- 59-
 - BAR BIT 5 FQ906AJ6- 62-
 - BAR BIT 4 FQ906AK6- 65-
 - BAR BIT 3 FQ906AL6- 68-
 - BAR BIT 2 FQ906AM6- 71-
 - BAR BIT 1 FQ906AN6- 74-
 - BAR BIT 0 FQ906AP6- 77-



000 FQ512 FQ512
 335 - BUFFER BIT P AC0
 4FQ881 4FQ904

 311 - BUFFER BIT 0 AC1
 4FQ881 4FQ902 4FQ904

 314 - BUFFER BIT 1 AC3
 4FQ881 4FQ902 4FQ904

 317 - BUFFER BIT 2 AC4
 4FQ881 4FQ902 4FQ904

 320 - BUFFER BIT 3 AC5
 4FQ881 4FQ902 4FQ904

 323 - BUFFER BIT 4 AC6
 4FQ881 4FQ903 4FQ904

 326 - BUFFER BIT 5 AC7
 4FQ881 4FQ903 4FQ904

 329 - BUFFER BIT 6 AC8
 4FQ881 4FQ903 4FQ904

 332 - BUFFER BIT 7 AC9
 4FQ881 4FQ903 4FQ904

LUC. TYPE
A-B154 A834

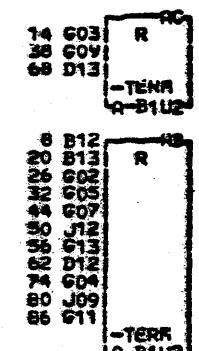
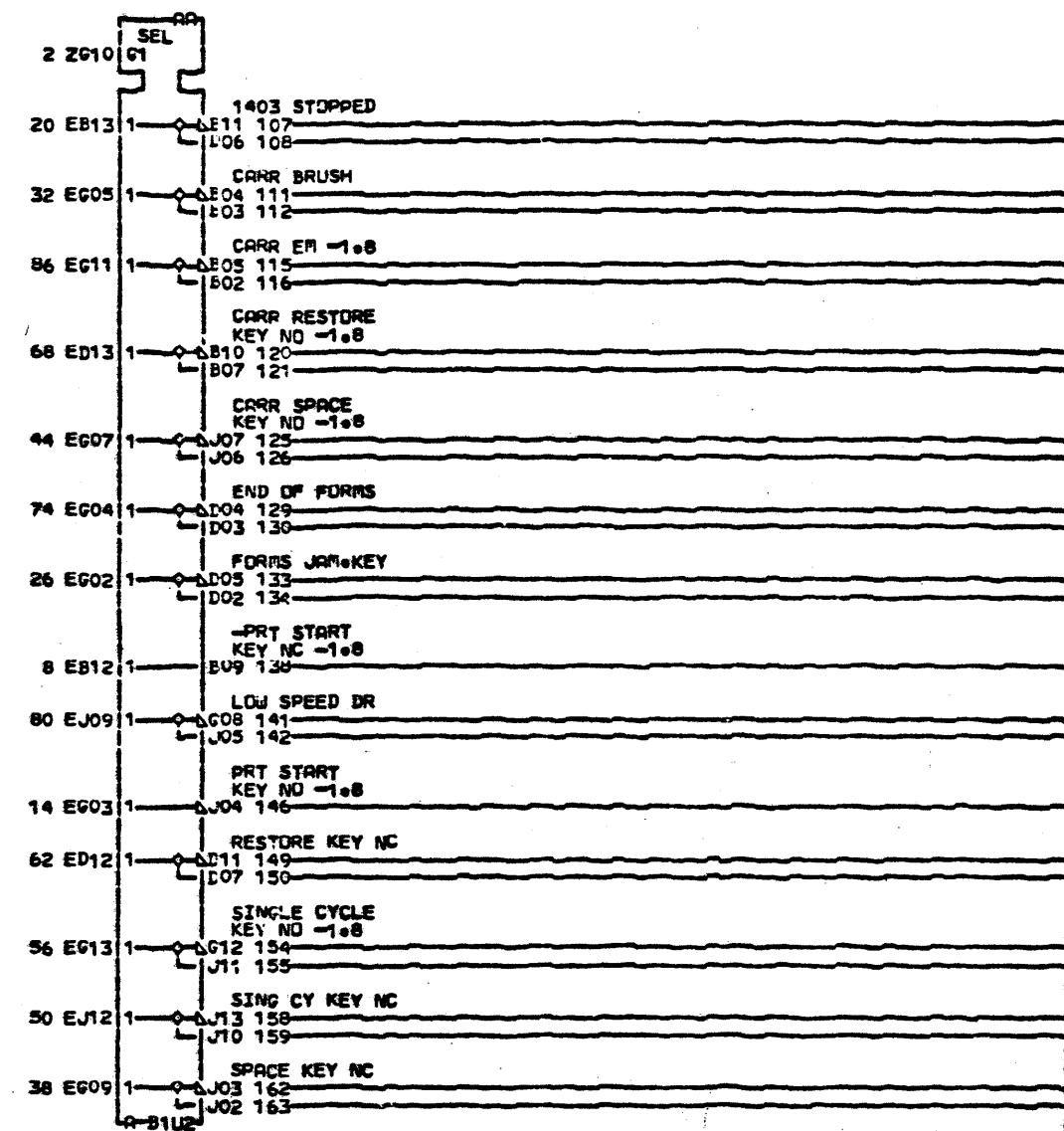
PAGE VER EC LEV
FQ512 000 821457

THIS DOCUMENT IS IBM CONFIDENTIAL
UNTIL ANNOUNCEMENT DECLASSIFY
THEREAFTER.

SMT-1 512X9 ARRAY CARD	
E.C.-HISTORY	C-MACH-1403SM15
FRAME	01 FQ512
DATE LAST EC	IBM CDRP-GSD FQ512
06-01-73 821457	IPoN 5555781 000

FQ512
FQ512
000

+ TIE UP CONVERSION 1 FQ881BS4- 2-
 - INTF PRT START KEY NC WP132AD4- 8-
 + INTF PRT START KEY NO WP132AD6- 14-
 + INTF 1403 STOPPED WP132AE2- 20-
 - INTF CARR STOP KEY WP132AE4- 26-
 + INTF CARR BRUSH WP132AE6- 32-
 - INTF SPACE KEY NC WP132AF2- 38-
 + INTF SPACE KEY NO WP132AF4- 44-
 - INTF SINGLE CY KEY NC WP132AG6- 50-
 + INTF SINGLE CY KEY NO WP132AG2- 56-
 - INTF RESTORE KEY NC WP132AG4- 62-
 + INTF RESTORE KEY NO WP132AG6- 68-
 - INTF END OF FORMS WP132AH6- 74-
 - INTF LOW SPEED DRIVE WP132AJ2- 80-
 + INTF CARR EM WP132AJ6- 86-



LOC. TYPE
A-B1U2 2649

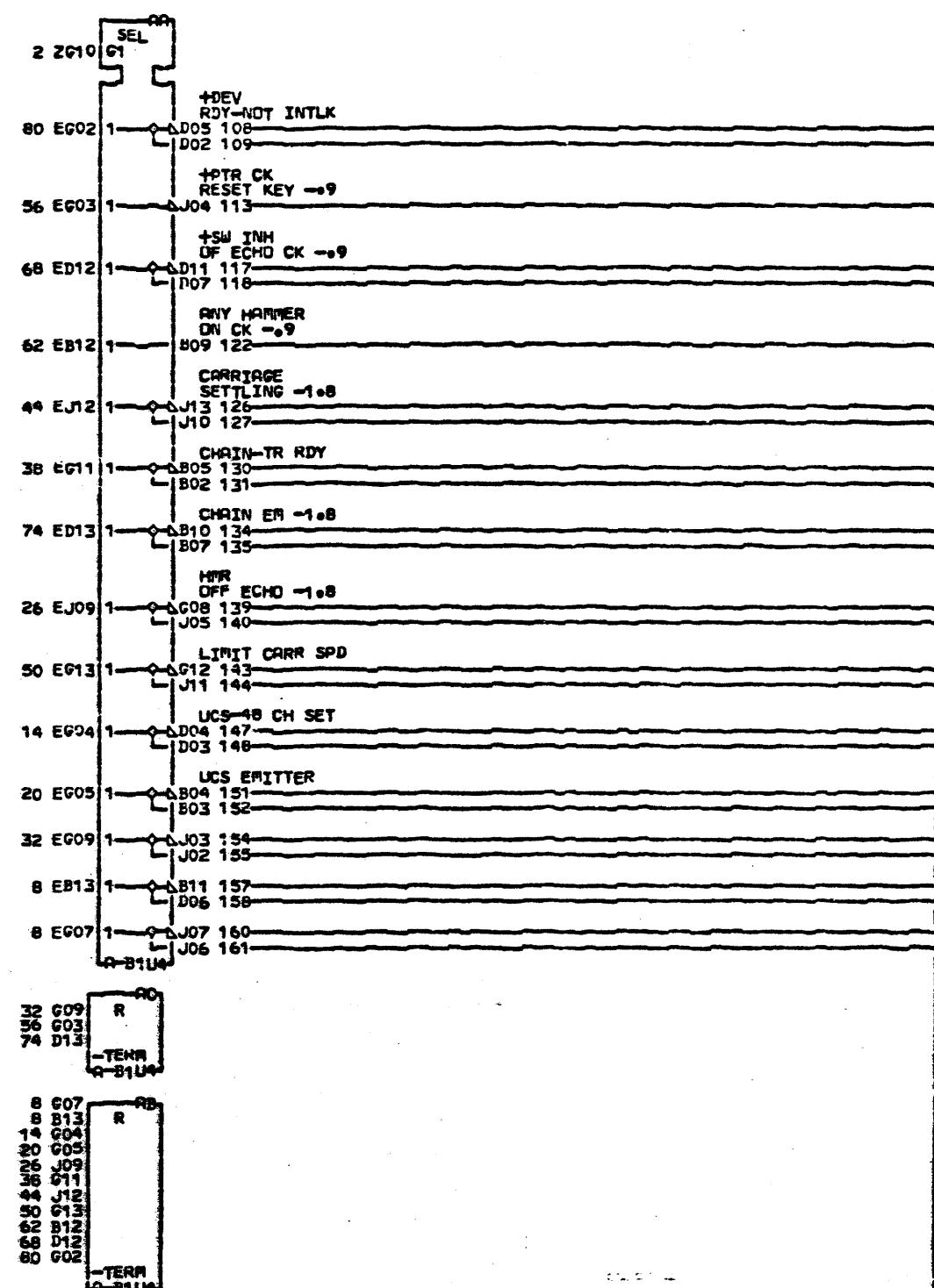
PAGE VER EC REV
FQ711 000 821457
FQ712 000 821457

THIS DOCUMENT IS IBM CONFIDENTIAL
UNTIL ANNOUNCEMENT DECLASSIFY
THEREAFTER.

*** FQ711 000 FQ712
 115 - CARR EM -1.8 FQ863-AK2
 116 + CARR EM T.P. -0.9 AK6
 111 - CARR BRUSH -0.9 FQ854-AK2
 112 + CARR BRUSH T.P. -1.8 AK6
 133 + FORMS JAM AND KEY -0.9 FQ785-AK2
 134 - FORMS JAM AND KEY -1.8 FQ831-AK6
 158 + SINGLE CYCLE KEY NC TP -0.9 B82
 159 - SINGLE CYCLE KEY NC -1.8 B86
 154 - SINGLE CYCLE KEY NO -1.8 B82
 155 + SINGLE CYCLE KEY NO TP -0.9 B86
 141 + LOW SPEED DRIVE T.P. -0.9 BF2
 142 - LOW SPEED DRIVE -1.8 BF6
 4FQ841 4FQ854
 129 + END OF FORMS T.P. -0.9 BM2
 130 - END OF FORMS -1.8 BM6
 4FQ785 4FQ842
 *** FQ712 ***
 149 + CARR RESTORE KEY NC TP -0.9 AK2
 150 - CARR RESTORE KEY NC -1.8 AK6
 4FQ852
 138 - PRT START KEY NC -1.8 FQ785-AK6
 125 - CARR SPACE KEY NO -1.8 FQ852-AK2
 126 + CARR SPACE KEY NO TP -0.9 AK6
 107 - 1403 STOPPED T.P. -1.8 B82
 108 + 1403 STOPPED -0.9 B86
 4FQ785 4FQ833
 146 - PRT START KEY NO -1.8 FQ785-BG2
 162 + CARR SPACE KEY NC TP -0.9 BG2
 163 - CARR SPACE KEY NC -1.8 FQ852-BG6
 120 - CARR RESTORE KEY NO -1.8 B82
 4FQ852
 121 + CARR RESTORE KEY NO TP -0.9 B86

SLD TO PRT CONVERSION	
E-C-HISTORY	C-MACH-1403SPM15
FRAME	01 FQ711
DATE LAST EC	IBM CORP-GSD FQ712
06-01-73 821457	P.N. 5555782 000

+ TIE UP CONVERSION 2 FQ771AX4 2
 SPARE SLD TO RST CONV FQ931BK4 9
 + INTF UCS MODE UP132AB2 14-2
 - INTF UCS EM UP132AB4 20-2
 + INTF HMR OFF ECHO UP132AB6 26-2
 + INTF ANY HMR ON UP132AC1 32-2
 - INTF CHAIN-TRAIN READY UP132AC3 38-2
 + INTF CARRIAGE SETTLING UP132AC5 44-2
 - INTF LIMIT CARR SPEED UP132AC7 50-2
 - INTF CHECK RESET KEY UP132AH2 56-2
 + INTF ANY HMR ON CHECK UP132AH4 62-2
 - INTF INHIBIT ECHO CHECK UP132AH6 68-2
 + INTF CHAIN EM UP132AH8 74-2
 - INTF DEV RDY-NOT INTLK UP132AL2 80-2



LOC# TYPE
A-51M4 2649

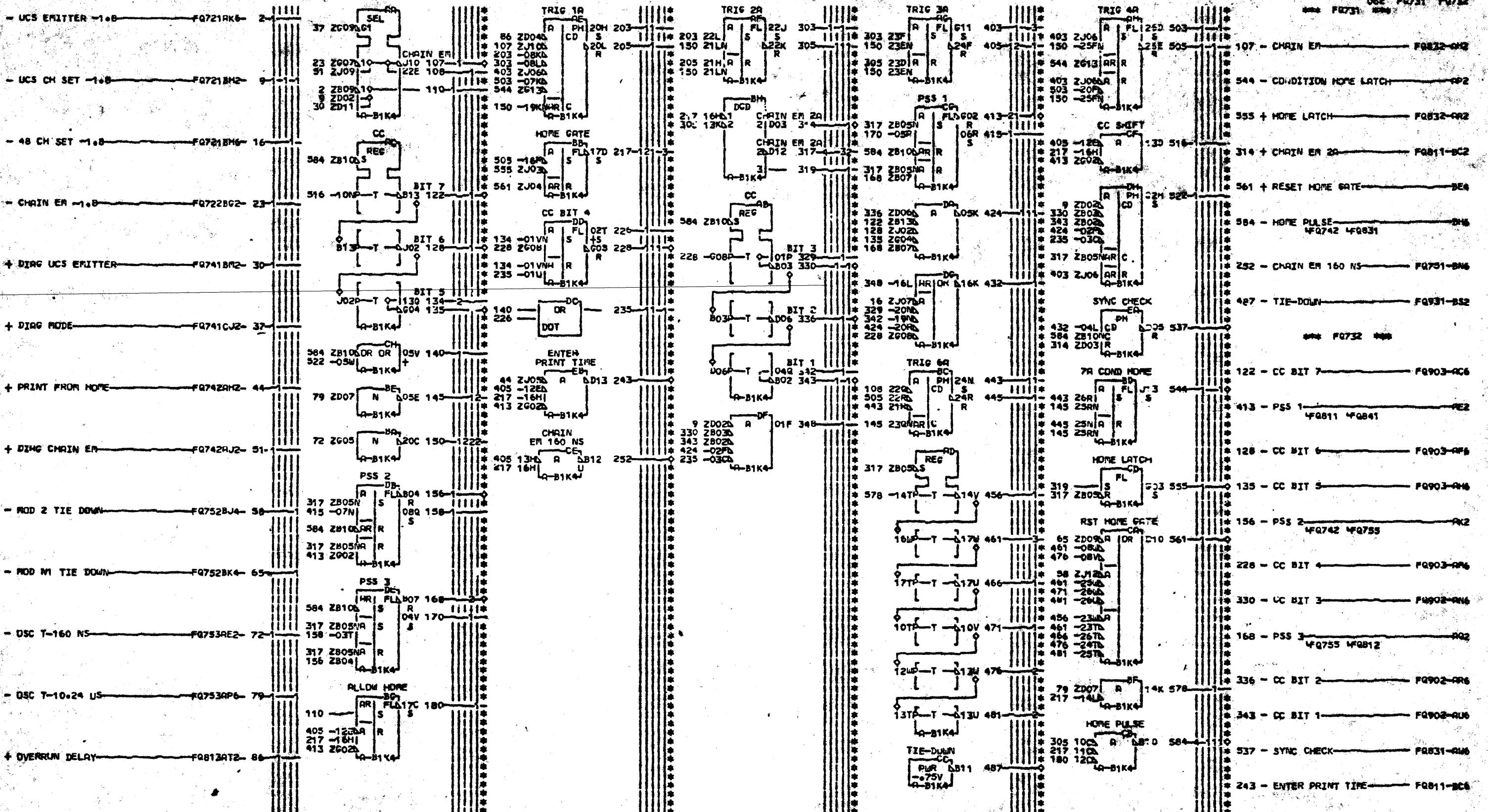
PAGE VER EC LEV
FQ721 000 821457
FQ722 000 821457

THIS DOCUMENT IS IBM CONFIDENTIAL
UNTIL ANNOUNCEMENT DECLASSIFY
THEREAFTER.

*** FQ721 ***
 130 + CHAIN-TRAIN READY T.P. AM2
 131 - CHAIN-TRAIN READY FQ831 4FQ841 AM6
 151 + UCS Emitter T.P. -9 AK2
 152 - UCS Emitter -1.8 FQ731-BK6
 108 + DEV HDY-NOT INTLK FQ831-AM2
 109 - DEV RDY-NOT INTLK FQ831-AM6
 126 - CARRIAGE SETTLING -1.8 B82
 4FQ842 4FQ853
 127 + CARRIAGE SETTLING -9 FQ853-B86
 143 + LIMIT CARR SPEED -9 T.P. BD2
 144 - LIMIT CARR SPEED T.P. -1.8 BD6
 4FQ852
 139 - HMR OFF ECHO -1.8 B82
 4FQ832 4FQ842
 140 + HMR OFF ECHO -9 T.P. BF6
 147 - UCS CH SET -1.8 BH2
 4FQ731 4FQ732
 148 - 48 CH SET -1.8 BH6
 0FQ732 4FQ761 4FQ812 4FQ842
 4FQ884
 *** FQ722 ***
 117 + SW INH OF ECHO CK -9 FQ832-AM2
 118 - SW INH OF ECHO CK T.P. -1.8 AM6
 122 + ANY HAMMER ON CK -9 FQ832-BK6
 160 SPARE HR2
 161 SPARE AM6
 157 SPARE B82
 158 SPARE B86
 113 + PTR CK RESET KEY -9 FQ833-BC2
 154 - ANY HAMMER ON T.P. -1.8 BE2
 155 + ANY HAMMER ON -9 FQ832-BE6
 134 - CHAIN EM -1.8 FQ731-BG2
 135 + CHAIN EM T.P. -9 B66

FQ721
FQ722
000

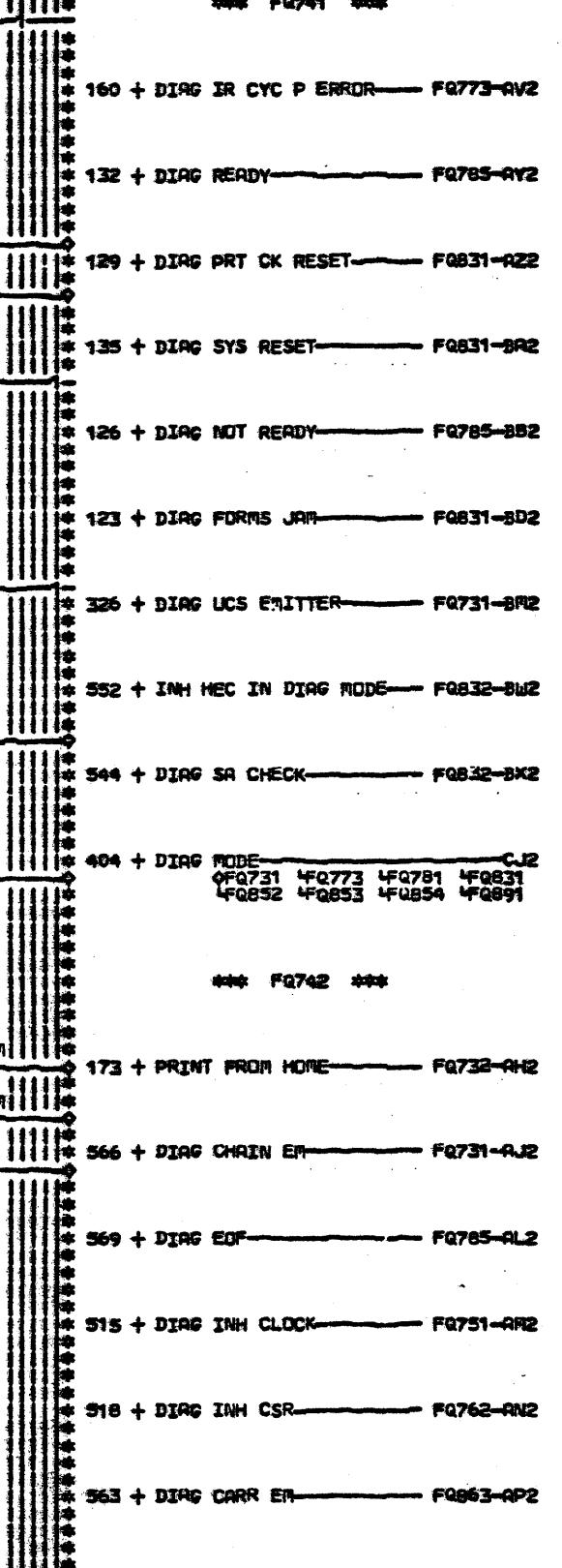
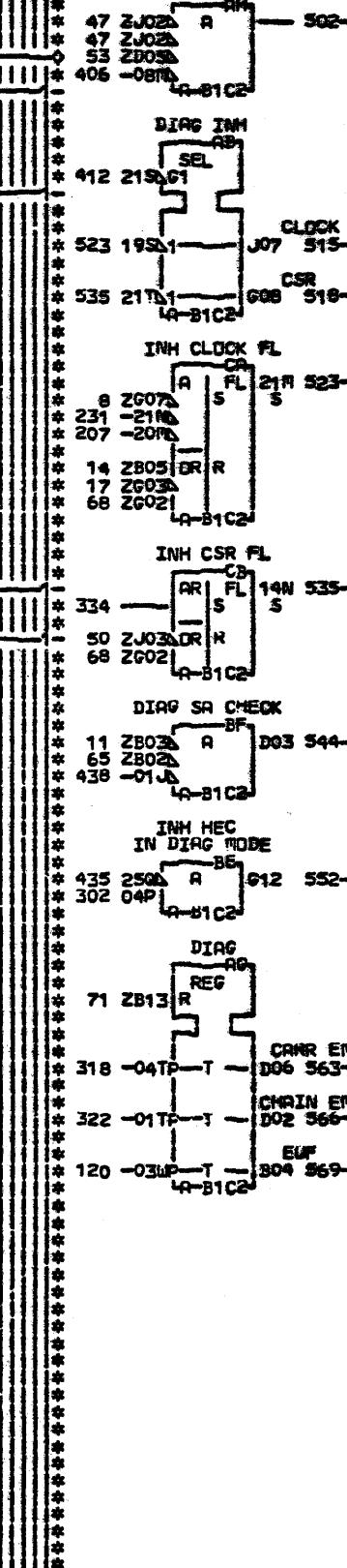
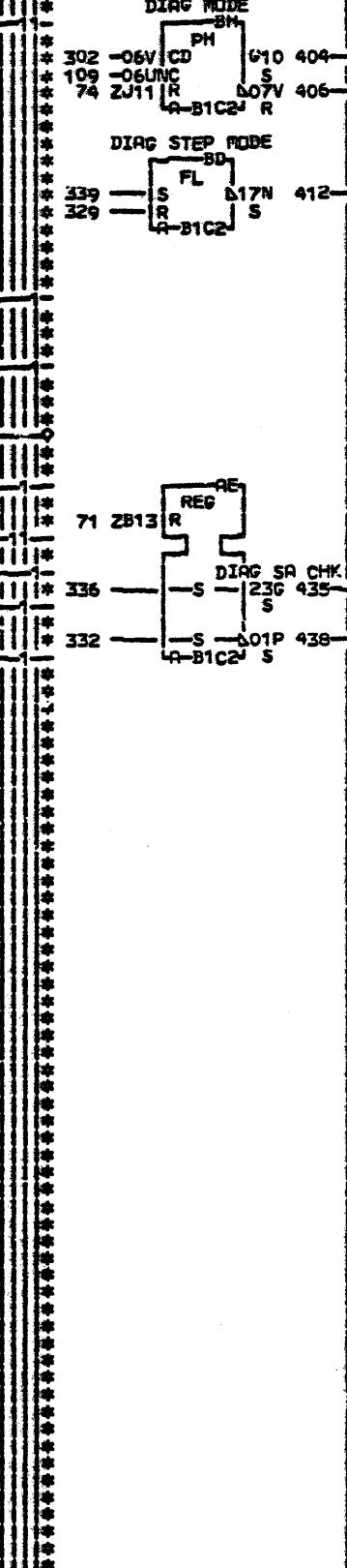
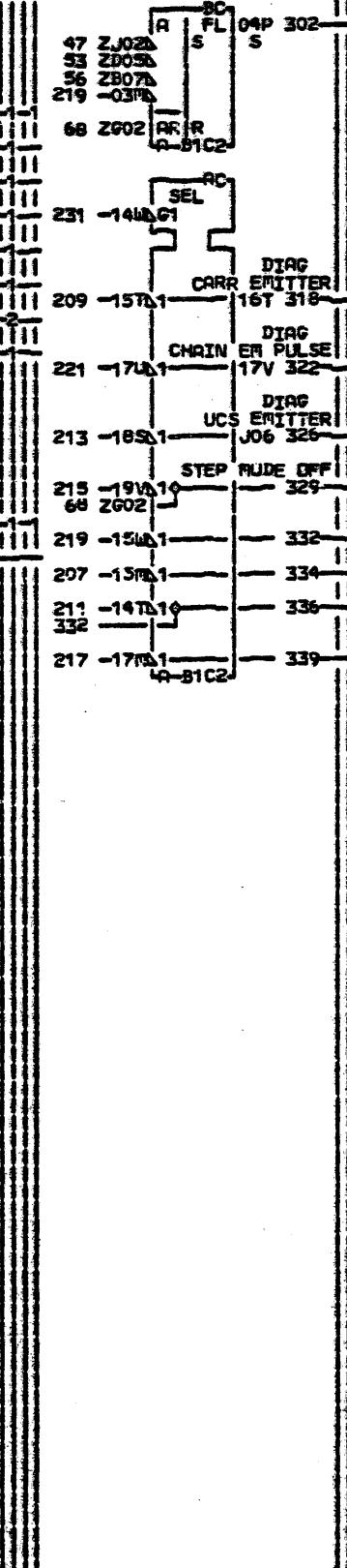
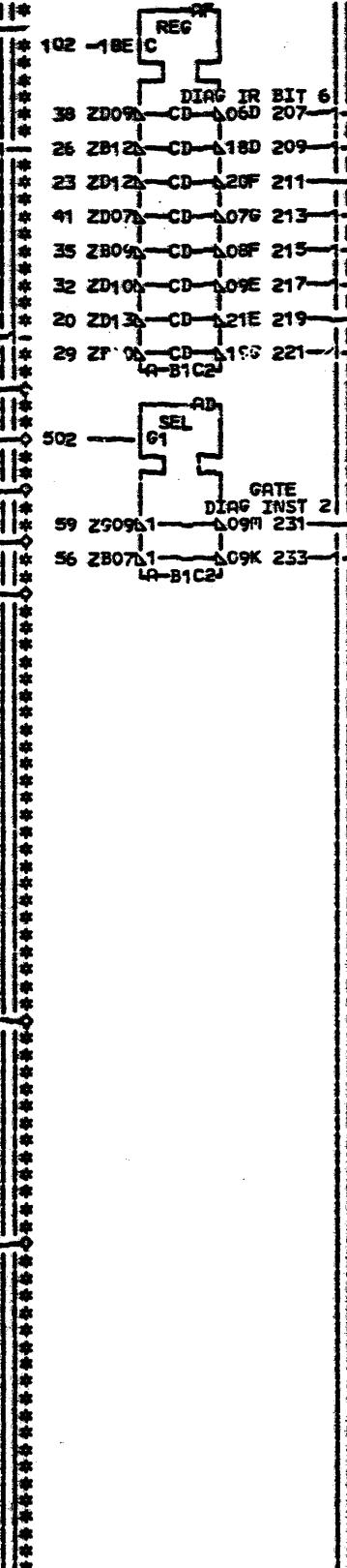
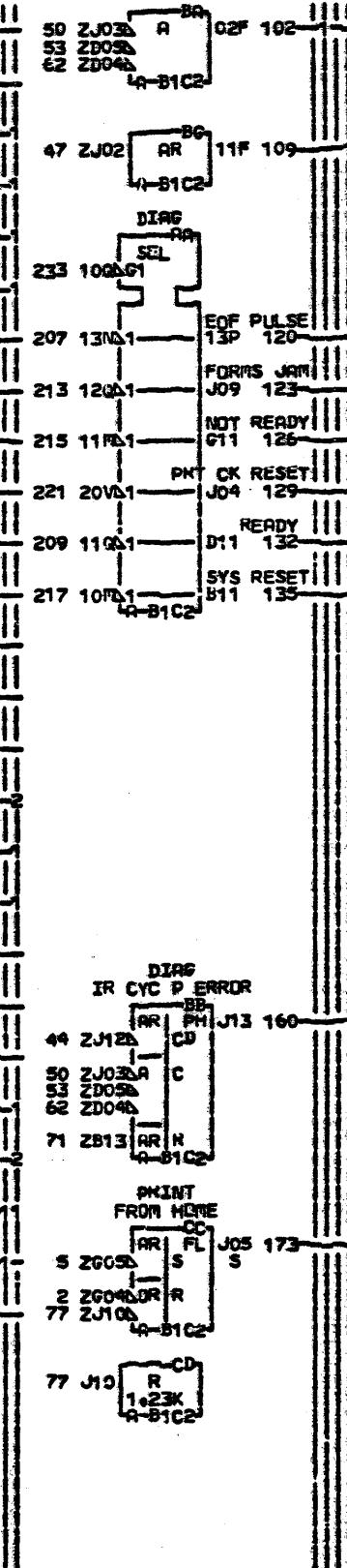
SLD TO RST CONVERSION	
E-C-HISTORY	C-MACH-1403SM15
FRAME 01	FQ721
DATE LAST ED	IBM CURP-GSD FQ722
06-01-72 821457	IP.N. 5555763 1 000



THIS DOCUMENT IS IBM CONFIDENTIAL
 UNTIL ANNOUNCEMENT DECLASSIFY
 THEREAFTER.

SHAPED CHAIN EMIT AND HOME PSS COUNTER AND CHAR COUNTER E-C-HISTORY	C-MACH-103515
FRAME	01 FQ731
DATE	LAST EC
06-01-73	821457
1000 CORP.CSD	FQ732
IP.N.	5555786
	062

- HOME PULSE FQ731BH6 2
 - PSS 2 FQ732AK2 5
 - ENABLE CLOCK FOR SUBSCAN FQ751RD6 6
 - PCL-4 FQ752BC6 11
 + UNI-CYCLE PHASE B FQ754AB2 14
 - PCL-6 PHASE D FQ754AC6 17
 - DBO BIT 0 FQ765RG2 20
 - DBO BIT 1 FQ765AH2 23
 - DBO BIT 2 FQ765AJ2 26
 - DBO BIT 3 FQ765AK2 29
 - DBO BIT 4 FQ765AL2 32
 - DBO BIT 5 FQ765AM2 35
 - DBO BIT 6 FQ765AN2 38
 - DBO BIT 7 FQ765AP2 41
 - DBO PARITY ERROR FQ765S2 44
 - CLOCK 6 FQ766RD2 47
 - SDBD CLOCK 5 FQ766AS6 50-2
 - I-R CYCLE FQ771AB2 53-2
 - SID DIAG INSTR 1 FQ782AJ6 56
 - SIO DIAG INSTR 2 FQ782AK6 59
 - SIO DIAG INSTR 1 DR 2 FQ782AP2 62-2
 - SCAN HAMMERS FQ811AM5 65
 + SYS RESET FQ931AB6 68
 + SYS0 SYS CKG PTR CK RESET 1 FQ831BS6 71-1
 + PDR FQ832BR2 74
 + CE TIE-UP PRINT FROM HOME FQ931AU4 77-2



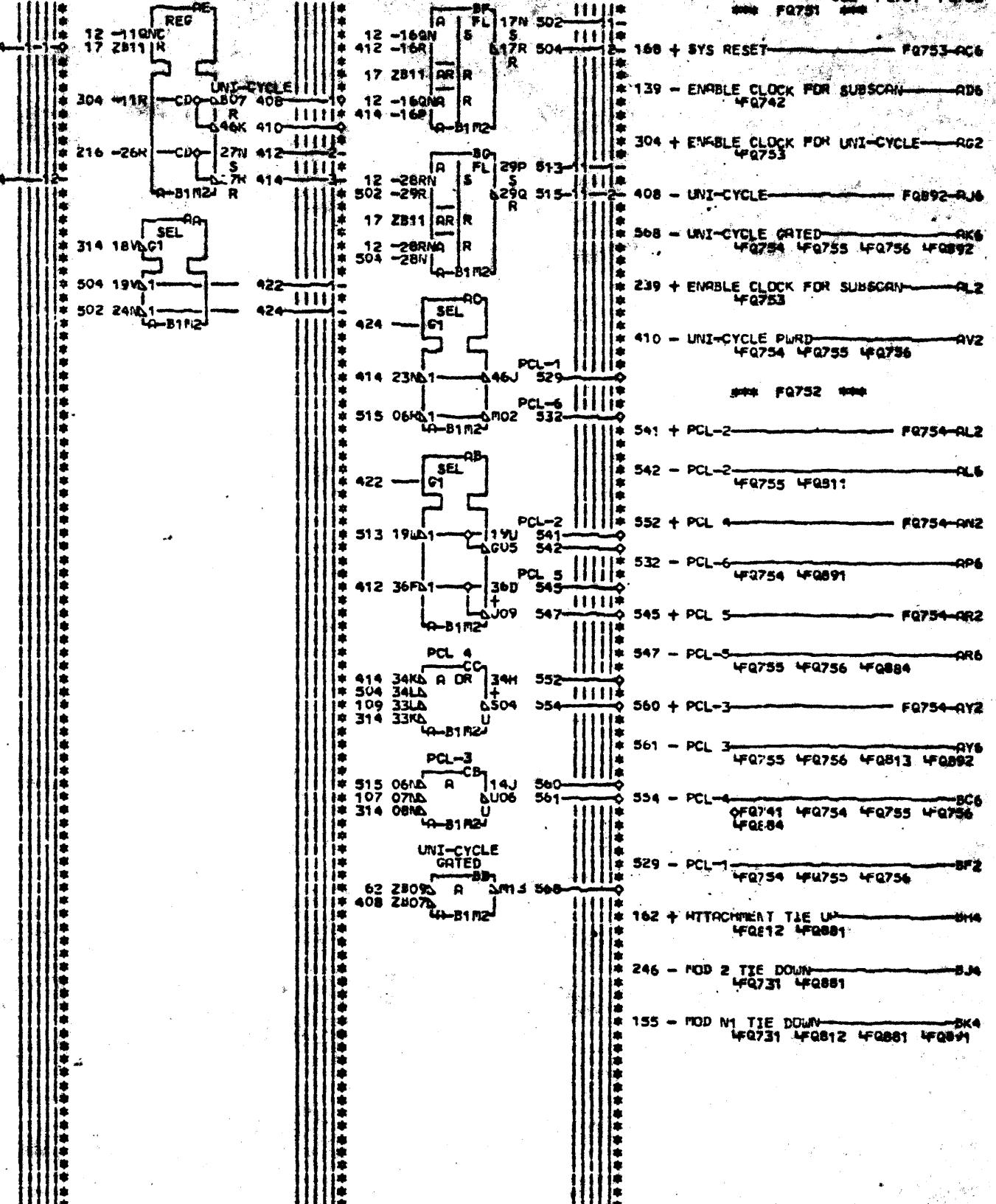
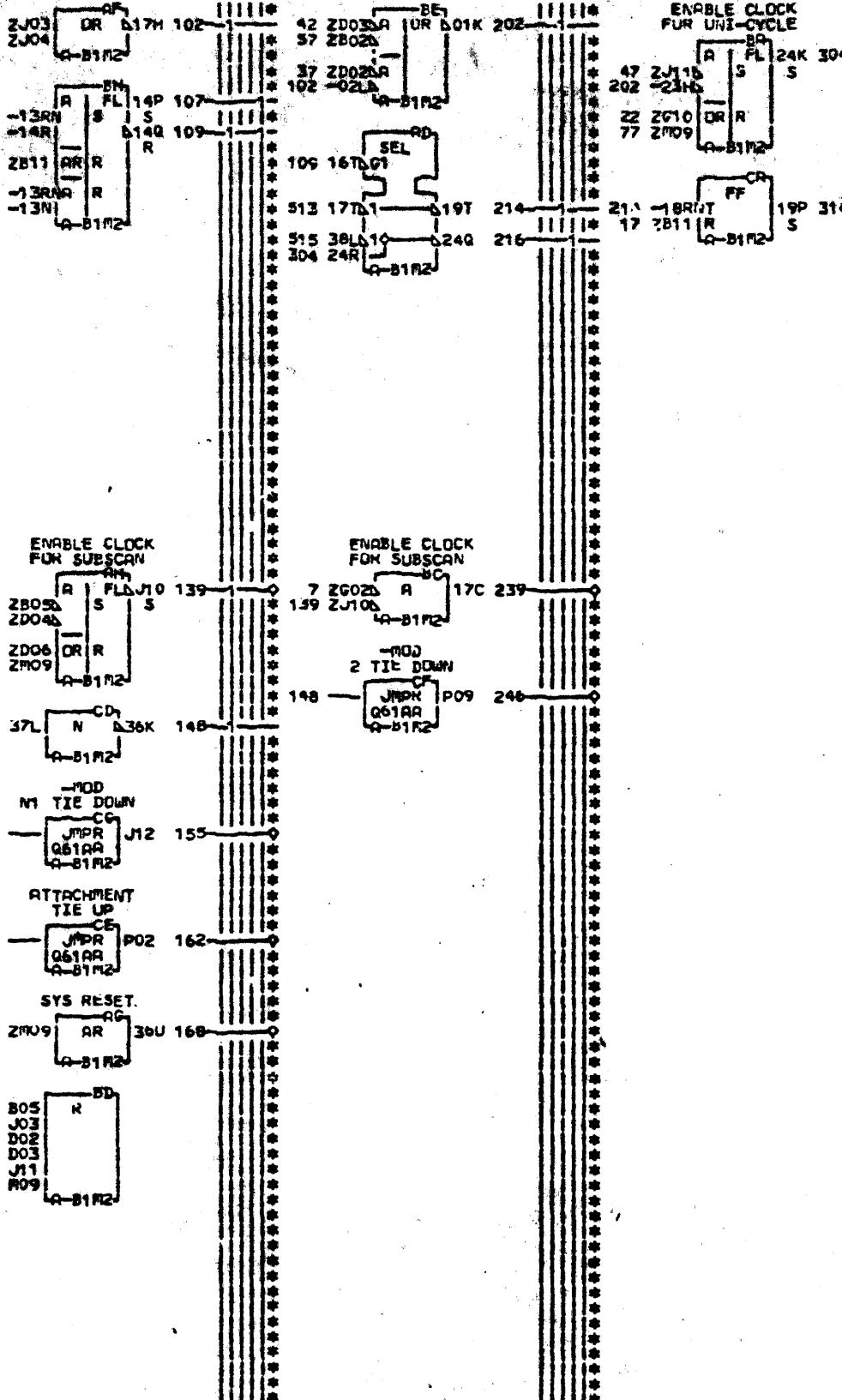
LDC# TYPE
A-B1C2 0774

PAGE VER EC LEV
FQ741 000 821457
FQ742 000 821457

THIS DOCUMENT IS IBM CONFIDENTIAL
UNTIL ANNOUNCEMENT DECLASSIFY
THEREAFTER.

DIAGNOSTIC DECODE	
E.C.-HISTORY	C.RRCH-1403SM151
FRAME 01	FQ741
IBM CORP.GSD	FQ742
DATE 06-01-73	LIST SC 821457
IP.N. 3555787	000

- CHAIN EM 160 NS FQ731PN6 2-2
 + DIAG INH CLOCK FQ742PN2 7
 - ADVANCE CLOCK RING FQ753AG6 12-2
 + PTR PHASE F FQ753AX2 17-2
 + UNI-CYCLE PHASE B FQ754AB2 22-1
 - MOD N1 TIE DOWN FQ755AR4 27-3
 + I-O CYCLE FQ763AJ2 32-2
 - CLOCK 2 FQ766AB2 37-1
 - CLOCK 7 FQ766AJ2 42-1
 - SAMPLE DBD FQ766AK2 47-1
 + EB REQ UNI-CYC FQ784AX2 52-1
 + SNS I-O REQ UNI-CYC FQ784AY6 57-1
 + LIO-SNS LSR DR BUFFER FQ784BC4 62-1
 - PRINT TIME FQ811AJ6 67-1
 + END OF SUB-SCAN FQ813AP2 72-1
 + SYS RESET FQ831AD6 77-3-1

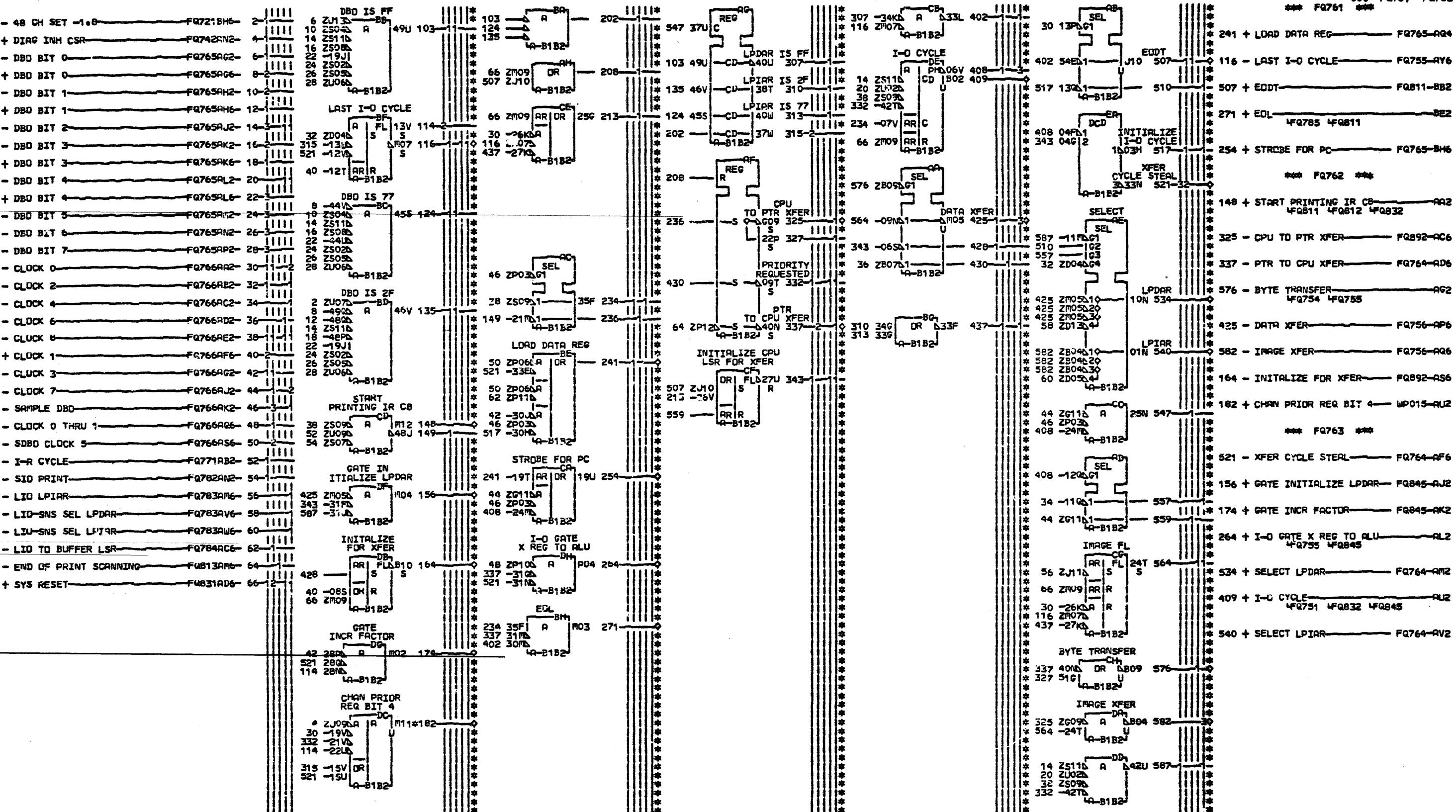


PAGE VER EC LEV
FQ751 062 821457
FQ752 062 821457

LOC TYPE
A-B1R2 0775

THIS DOCUMENT IS IBM CONFIDENTIAL
UNTIL ANNOUNCEMENT DECLASSIFY
THEREAFTER.

PRINTER CLOCK CONTROLS	
PRINTER CLOCK RING	
E-C HISTORY	C MACH 14035A15
FRMRE	01 FQ751
DATE LAST EC	06-01-73 821457
IBM COMP GSD	FQ752
P.N. 5555790	062



EDGE CONN
182 R-B1L6E02
01A-B1A5D03

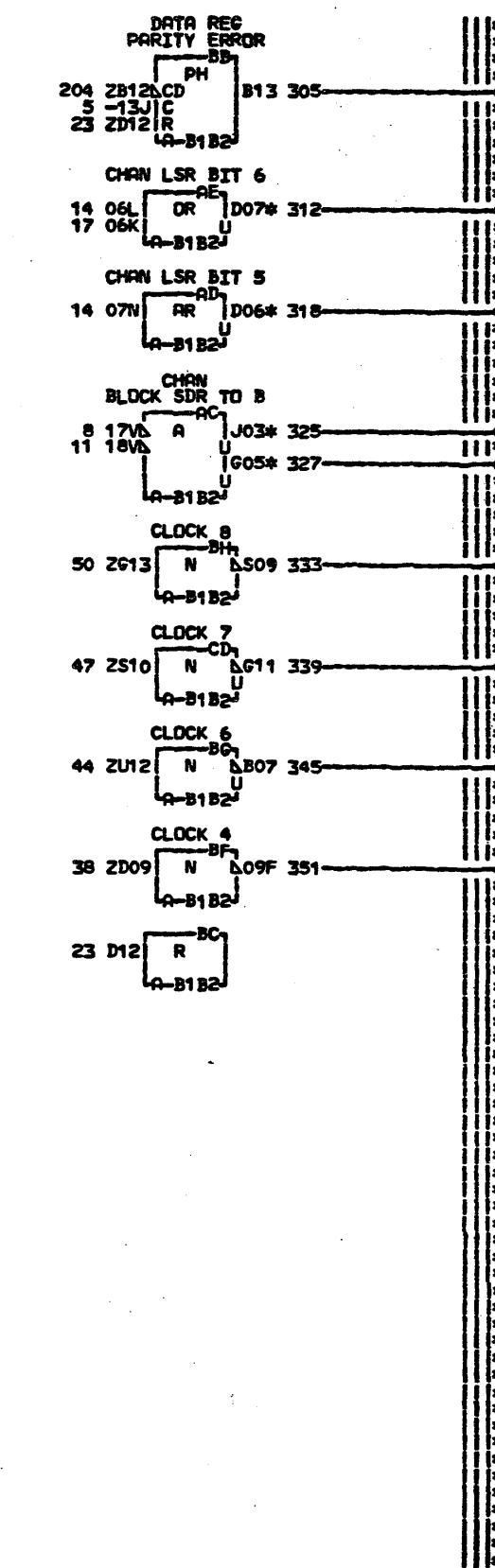
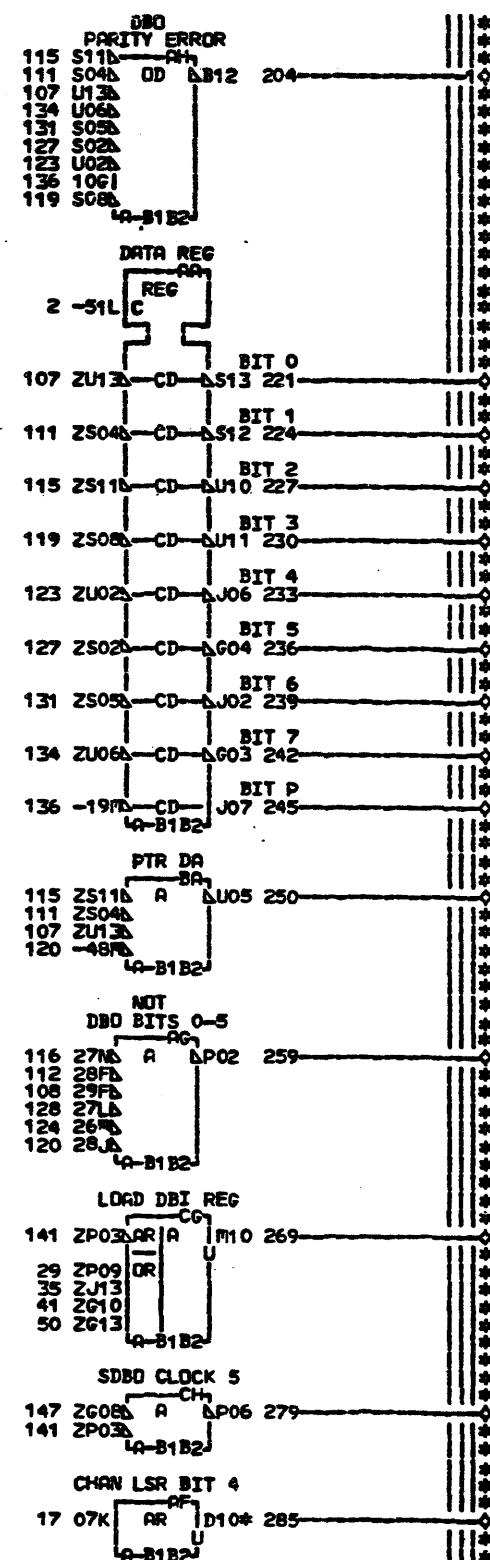
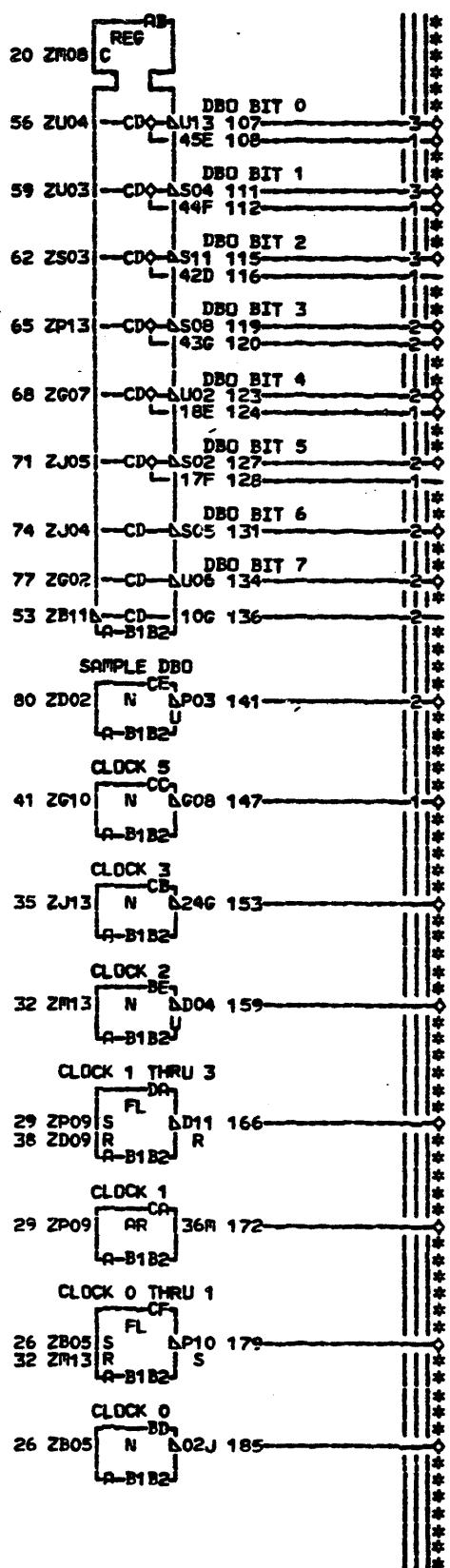
LUC# TYPE
A-B1B2 0776

PAGE VER EC LEV
FQ761 000 821457
FQ762 000 821457
FQ763 000 821457

THIS DOCUMENT IS IBM CONFIDENTIAL
UNTIL ANNOUNCEMENT DECLASSIFY
THEREAFTER.

CS CNTRL - CPU LSR SELECT	
E.C.-HISTORY	C MACH.1403SM1S
FRAME	01 FQ761
IBM CORP.GSD	FQ763
DATE LAST EC	06-01-73 821457
P.N. 5555796	000

+ LOAD DATA REG FQ761RA4- 2
 + STROBE FOR PC FQ761BH5- 5
 - PTR TO CPU XFER FQ762AD6- 8
 - XFER CYCLE STEAL FQ763AF6- 11
 + SELECT LPDAR FQ763AM2- 14-2
 + SELECT LPIAR FQ763AV2- 17-1
 - PARITY ERROR FQ773AF2- 20-1
 + SYS0 SYS CK0 PTR CK RESET 1-FQ831BS6- 23-3
 + CLOCK 0 WP010AR4- 26-2
 + CLOCK 1 WP010AR4- 29-2
 + CLOCK 2 WP010AR6- 32-2
 + CLOCK 3 WP010AR82- 35-1
 + CLOCK 4 WP010AR84- 38-1
 + CLOCK 5 WP010AR86- 41-1
 + CLOCK 6 WP010RC2- 44-1
 + CLOCK 7 WP010RC4- 47-1
 + CLOCK 8 WP010RC6- 50-1
 + DATA BUS OUT P WP010RD4- 53-1
 + DATA BUS OUT 0 WP010RD6- 56-1
 + DATA BUS OUT 1 WP010RE2- 59-1
 + DATA BUS OUT 2 WP010RE4- 62-1
 + DATA BUS OUT 3 WP010RE6- 65-1
 + DATA BUS OUT 4 WP010RF2- 68-1
 + DATA BUS OUT 5 WP010RF4- 71-1
 + DATA BUS OUT 6 WP010RF6- 74-1
 + DATA BUS OUT 7 WP010RG2- 77-1
 + SAMPLE DBO WP010RG4- 80-1



*** FQ764 000 FQ764 FQ766
 325 + CHAN BLOCK SDR TO B WP015-RC2
 327 + CHAN STORE DATA WP015-RD2
 318 + CHAN LSR BIT 5 WP015-RC6
 312 + CHAN LSR BIT 6 WP015-RK6
 285 + CHAN LSR BIT 4 WP015-RJ6
 *** FQ765 ***
 107 - DBO BIT 0 4FQ761 4FQ776- R2
 108 + DBO BIT 0 FQ761-RG6
 111 - DBO BIT 1 4FQ761 4FQ776- RH2
 112 + DBO BIT 1 4FQ761 4FQ763 4FQ776- LFQ866
 115 - DBO BIT 2 4FQ761 4FQ763 4FQ776- LFQ866
 119 - DBO BIT 3 4FQ761 4FQ864- R2
 120 + DBO BIT 3 4FQ761 4FQ864- R6
 123 - DBO BIT 4 4FQ761 4FQ864- RL2
 124 + DBO BIT 4 4FQ761 4FQ772 4FQ864
 127 - DBO BIT 5 4FQ761 4FQ772 4FQ864- LFQ855
 131 - DBO BIT 6 4FQ761 4FQ772 4FQ851
 134 - DBO BIT 7 4FQ761 4FQ772 4FQ851
 259 - NOT DBO BITS 0-5 FQ851-RW4
 221 - DATA REG BIT 0 4FQ901 4FQ905
 224 - DATA REG BIT 1 4FQ901 4FQ905
 227 - DATA REG BIT 2 4FQ901 4FQ905
 230 - DATA REG BIT 3 4FQ901 4FQ905
 233 - DATA REG BIT 4 4FQ901 4FQ905
 236 - DATA REG BIT 5 4FQ901 4FQ905
 239 - DATA REG BIT 6 4FQ901 4FQ905
 242 - DATA REG BIT 7 4FQ901 4FQ905
 204 - DBO PARITY ERROR 4FQ761 4FQ851- BS2
 250 - PTR DA 4FQ772 4FQ851
 245 + DATA REG BIT P FQ771-BT6
 305 + DATA REG PARITY ERROR FQ773-BU2
 *** FQ766 ***
 185 - CLOCK 0 4FQ761 4FQ762 4FQ763- R2
 159 - CLOCK 2 4FQ751 4FQ761 4FQ763 4FQ851
 351 - CLOCK 4 4FQ761 4FQ763 4FQ851- R2
 345 - CLOCK 6 4FQ761 4FQ762 4FQ775 4FQ778- LFQ831
 333 - CLOCK 8 4FQ762 4FQ763 4FQ778 4FQ855
 172 + CLOCK 1 4FQ761 4FQ762
 153 - CLOCK 3 4FQ761 4FQ762
 147 - CLOCK 5 4FQ761 4FQ763- R2
 339 - CLOCK 7 4FQ751 4FQ761 4FQ762 4FQ831- LFQ832
 141 - SAMPLE DBO 4FQ751 4FQ761 4FQ762 4FQ763- R2
 179 - CLOCK 0 THRU 1 4FQ763 4FQ784 4FQ845
 269 + LOAD DBI REG FQ843-R2
 279 - SDBO CLOCK 5 4FQ742 4FQ761 4FQ771- LFQ776
 166 - CLOCK 1 THRU 3 4FQ761-RT2

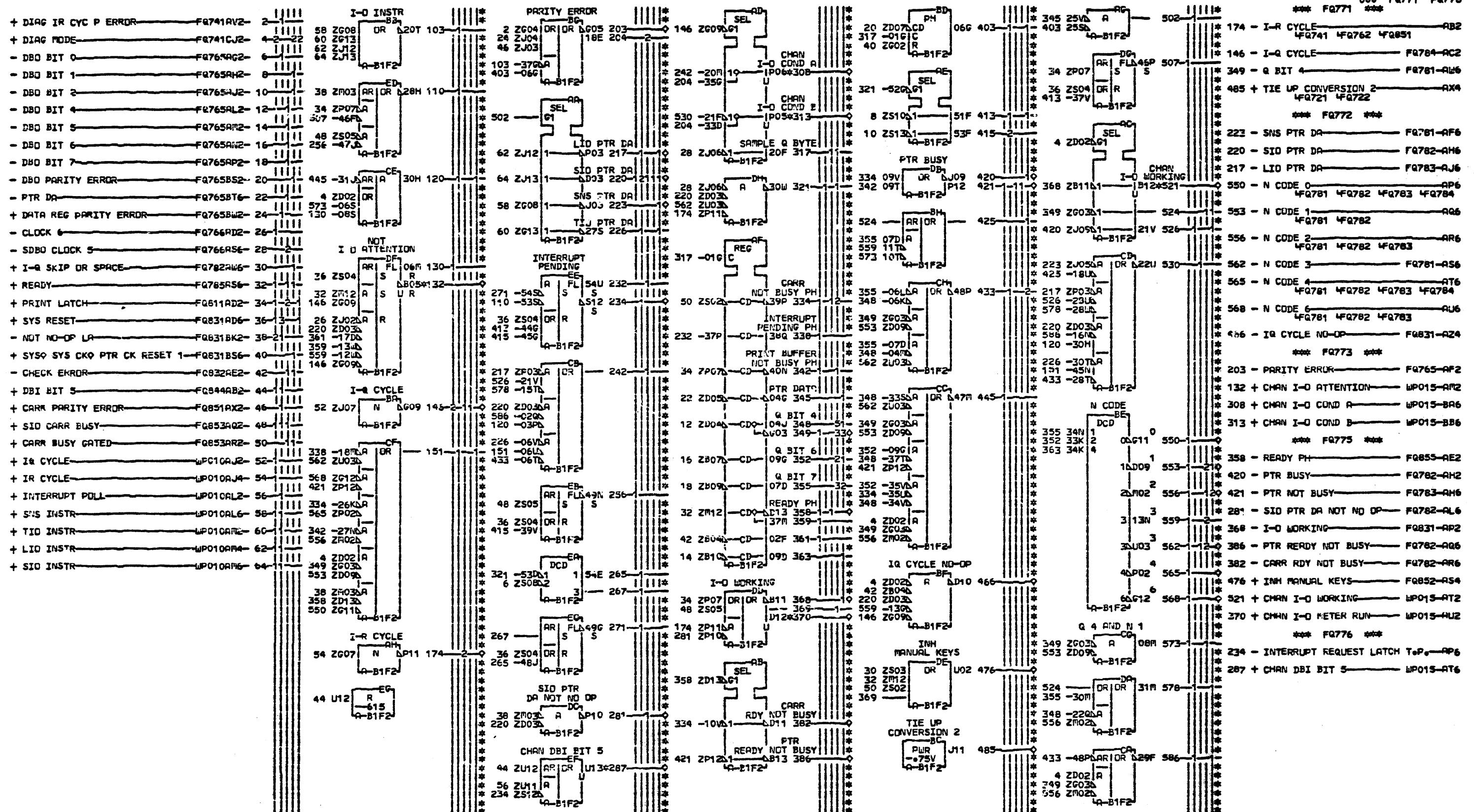
EDGE CONN.
 285 R-B1J6C04
 01A-B1A4B09
 312 R-B1K6A04
 01A-B1A4B12
 318 R-B1J6D04
 01A-B1A4B10
 325 R-B1H6C04
 01A-B1A4B04
 327 R-B1H6A04

01P-B1P4B02

LOC. TYPE
A-B1B2 0776

PAGE VER EC LEV
FQ764 000 821457
FQ765 000 821457
FQ766 000 824895

CHAN IN - CLK0DB0DATA REG	
-E.C.-HISTORY-	C, MACH.1403SM15 821457
FRAME	01 FQ764
DATE LAST EC	IBR CORP.GSD FQ766 12-31-74 B24895 P.No 5555799 000



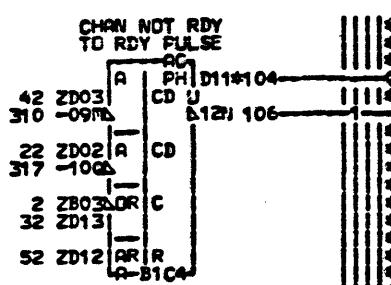
EDGE JONN. 01R-B1A5B04
132 A-B1L6D04 521 A-B1M6B04
01R-B1A5B02 01R-B1A5B05
287 A-B1J6D02
01R-B1A6D09
308 A-B1N6A02
01H-B1A5D09
313 A-B1N6B02
01A-B1A5M10
370 A-B1R6A04

LDC. TYPE
A-B1F2 Y376

PAGE VER EC LEV
FQ771 000 821457
FQ772 000 821659
FQ773 000 821659
FQ774 000 821457
FQ775 000 821457
FQ776 000 821457

TAG LINE DECODE	
Q-N-S10-SNS-TIO-10-STATUS-INT	
-E-C-E-HISTORY-C-MACH-1403SM15	
821457	
FRAME	01
DATE LAST EC IBM CDRP+GSD FQ776	
07-16-73 821659 IP# 5555799 000	

- CLOCK 6 ————— FQ766RD2- 2
 - CLOCK 8 ————— FQ766RE2- 12
 + DEVICE B READY ————— FQ778001- 22-1-2
 + CLOCK X ————— FQ778002- 32-1
 + READY ————— FQ785AS5- 42-1-2
 + SYS RESET ————— FQ831RD6- 52-1



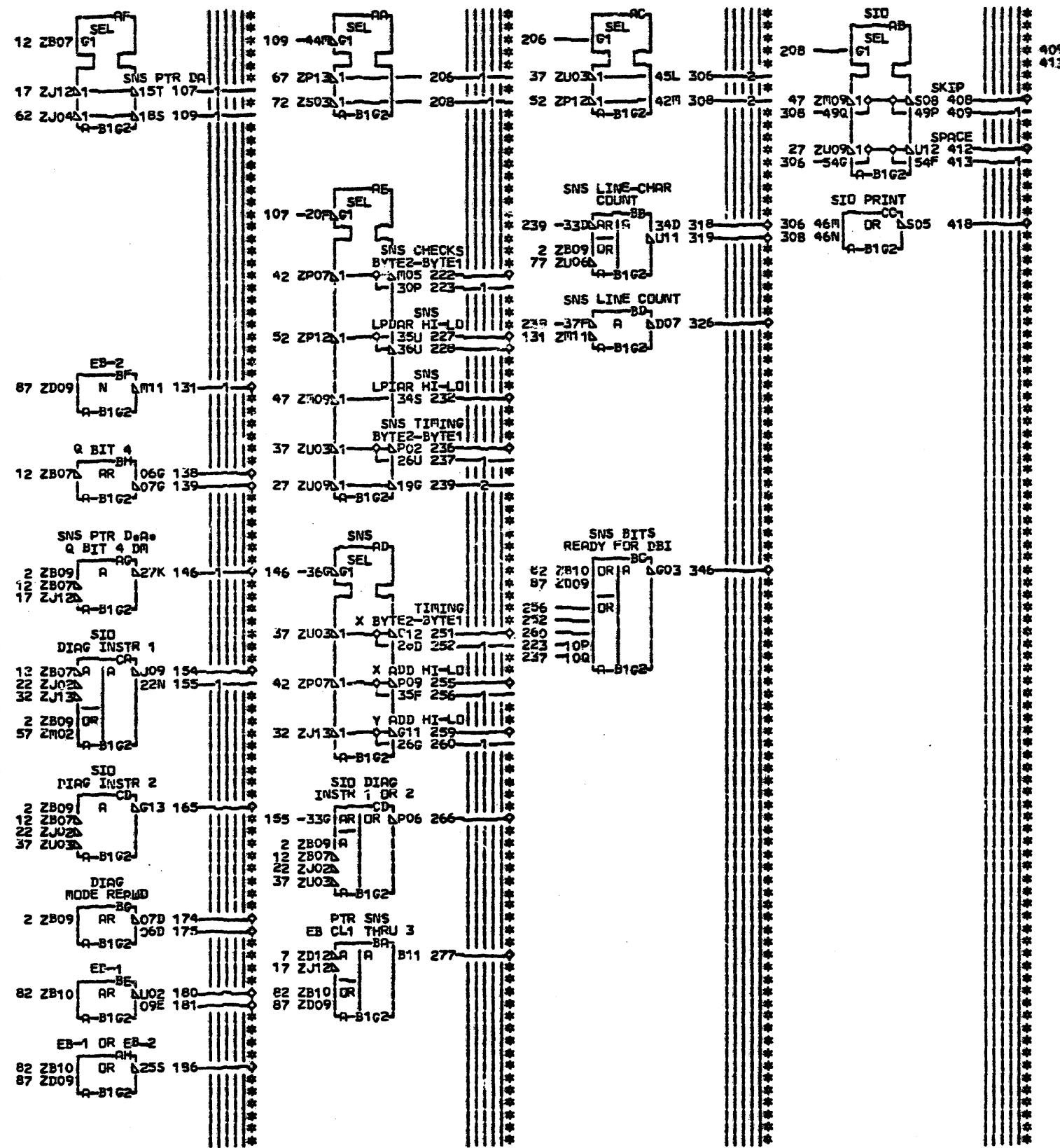
LOC₀ TYPE
 A-B1C4 Y663

PAGE VER EC LEV
 FQ778 000 824895

NOT READY TO READY DETECT	
E-C-HISTORY-C-RACH-1403SR15	
FRAME	01 FQ778
IBA CORP. RD	FQ778

DATE LAST EC
 12-31-74 824895
 IPN# 1607840 000

+ DIAG MODE → FQ741CJ2-2
 - CLOCK 1 THRU 3 → FQ766RT2-7
 - Q BIT 4 → FQ771RWS-12
 - SNS PTR DA → FQ772RF6-17
 - SIO PTR DA → FQ772RH6-22
 - N CODE 0 → FQ772AP6-27
 - N CODE 1 → FQ772AQ6-32
 - N CODE 2 → FQ772AR6-37
 - N CODE 3 → FQ772AS6-42
 - N CODE 4 → FQ772AT6-47
 - N CODE 6 → FQ772AU6-52
 - PTR BUSY → FQ775RH2-57
 - SIO PTR DA NOT NO DR → FQ775RL6-62
 - PTR READY NOT BUSY → FQ775AU6-67
 - CARR RDY NOT BUSY → FQ775AR6-72
 + PRINT LATCH → FQ811RD2-77
 + EB 1 CYCLE → UP010AJ6-82
 + EB NOT 1 CYCLE → UP010AK2-87



LDC TYPE
A-B1G2 0778

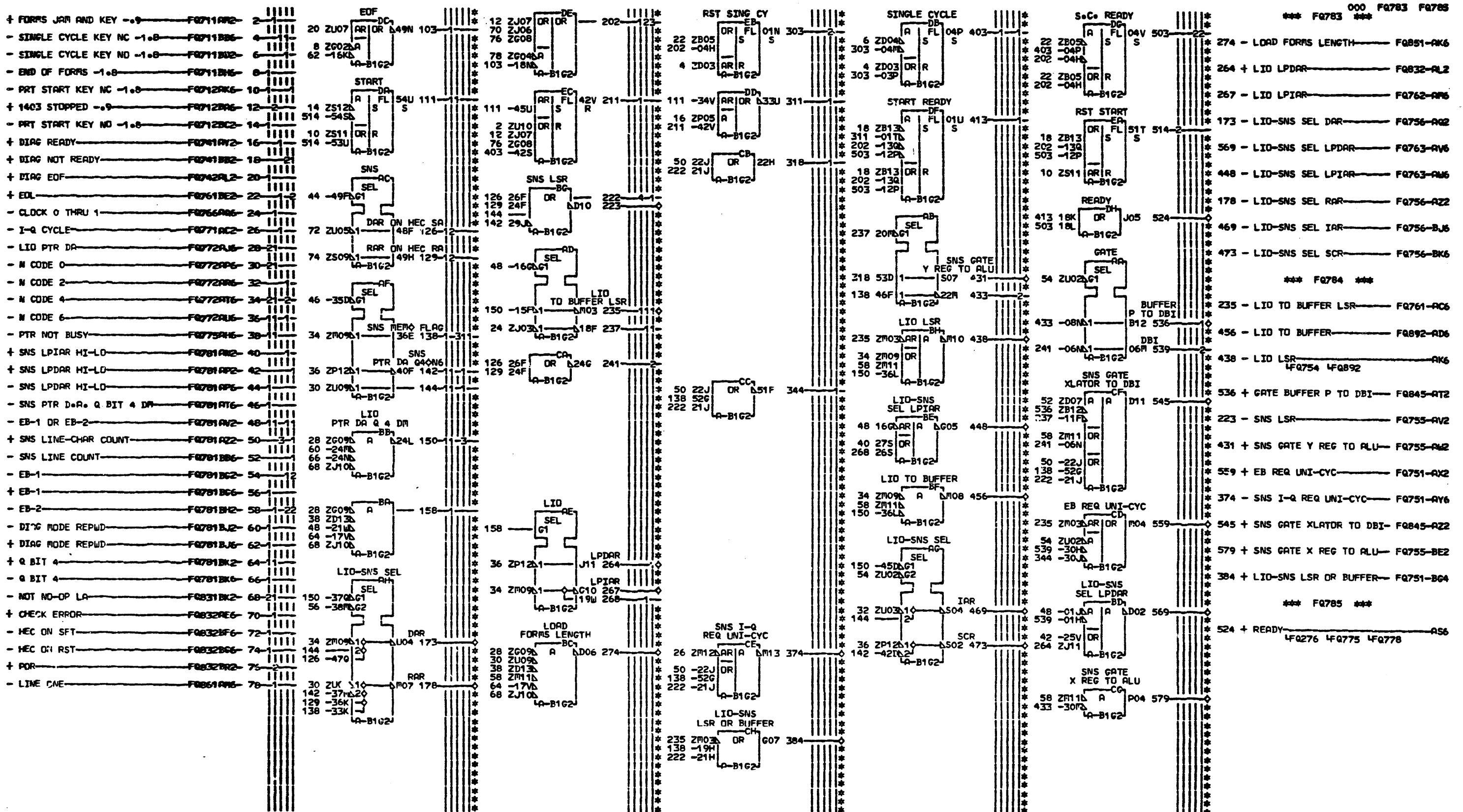
PAGE VER EC LEV
FQ781 000 821457
FQ782 000 821457

THIS DOCUMENT IS IBM CONFIDENTIAL
UNTIL ANNOUNCEMENT DECLASSIFY
THEREAFTER.

SNS AND SIO DECODE	
E.C.-HISTORY	C MACH.1403SP15
FRAME	01 FQ781
DATE LAST EC	IBM CORP.GSD FQ782
06-01-73 821457	P.N. 5555799 000

FQ781
FQ782
000

*** FQ781 ***
 000 FQ781 FQ782
 * 236 - SNS TIMING BYTE2-BYTE1- FQ845-RL6
 * 222 - SNS CHECKS BYTE2-BYTE1- FQ845-AN6
 * 232 + SNS LPIAR HI-LO — FQ783-AN2
 * 227 + SNS LPDAR HI-LO — FQ783-AP2
 * 228 - SNS LPDAR HI-LO — FQ784-AP6
 * 255 - SNS X ADD HI-LO — FQ272-AN6
 * 259 - SNS Y ADD HI-LO — FQ272-AN6
 * 251 - SNS TIMING X BYTE2-BYTE1 — AP6
 * 4FQ845
 * 146 - SNS PTR DR, Q BIT 4 DR — RT6
 * 4FQ783 4FQ784
 * 186 - EB-1 OR EB-2 — RV2
 * 277 + PTR SNS EB CL1 THRU 3 — FQ845-AN2
 * 318 + SNS LINE-CHAR COUNT — FQ784-AN2
 * 346 - SNS BITS READY FOR DBI — FQ845-AN6
 * 326 - SNS LINE COUNT — AN6
 * 4FQ784 4FQ845
 * 319 - SNS LINE-CHAR COUNT — FQ755-BC2
 * 180 - EB-1 — 4FQ272 4FQ783 4FQ784 4FQ845
 * 181 + EB-1 — FQ783-BC6
 * 131 - EB-2 — 4FQ272 4FQ783 4FQ784 4FQ845
 * 174 - DIAG MODE REPWD — FQ783-BJ2
 * 175 + DIAG MODE REPWD — FQ785-BJ6
 * 138 + Q BIT 4 — FQ783-BK2
 * 139 - Q BIT 4 — FQ783-BK6
 *** FQ782 ***
 * 154 - SID DIAG INSTR 1 — FQ741-AJ6
 * 165 - SID DIAG INSTR 2 — FQ741-AK6
 * 412 - SID SPACE — FQ851-RL2
 * 406 - SID SKIP — 4FQ851 4FQ855
 * 418 - SID PRINT — 4FQ762 4FQ852
 * 266 - SIU DIAG INSTR 1 DR 2 — AP2
 * 4FQ791 4FQ831
 * 504 + I-Q SKIP DR SPACE — FQ775-AW6



LOC. TYPE
A-B162 0778

PAGE	VER	EC	LE
F0783	000	82145	
F0784	000	82145	
F0785	000	82489	

LIC AND SNS DECODE
READY CONTROLS
E.C. HISTORY C MACH 1403SR15
821457

F9783
F9785
630

- CHAIN TRAIN READY → FQ721AH6
 - 48 CH SET → FQ721BH6
 + CHAIN EM 2A → FQ731BC2
 - PSS 1 → FQ732AE2
 - PSS 3 → FQ732AQ2
 - ENTER PRINT TIME → FQ732BC6
 - PCL 2 → FQ752AL6
 - PCL 3 → FQ752AY6
 + ATTACHMENT TIE UP → FQ752BH6
 - MOD N1 TIE DOWN → FQ752BK4
 - PTR PHASE B → FQ753AS6
 - PTR PHASE D → FQ753AU6
 + PTR PHASE F → FQ753AX2
 - PCL-6 PHASE D → FQ754AC6
 + EDDT → FQ761BB2
 + EDL → FQ761BE2
 + START PRINTING IN C6 → FQ762AR2
 - SAMPLE DB0 → FQ766AK2
 + SYS RESET → FQ831AD6
 + RESET RTT ON CK → FQ831BC6
 + ADDER 00 01 02 → FQ884AM4
 - ADDER DEC 34 → FQ885BD6
 - ADDER DEC 24 → FQ885BF6
 - SCAN 120 → FQ885BL6
 - SCAN 48 → FQ885BM6
 - SCAN 46 → FQ885BN6
 + ADDER F7 F8 F9 → FQ885BV4
 + ADDER DEC 36 → FQ885BW2
 + NO DATA OR INH ECHO SR → FQ891AU6

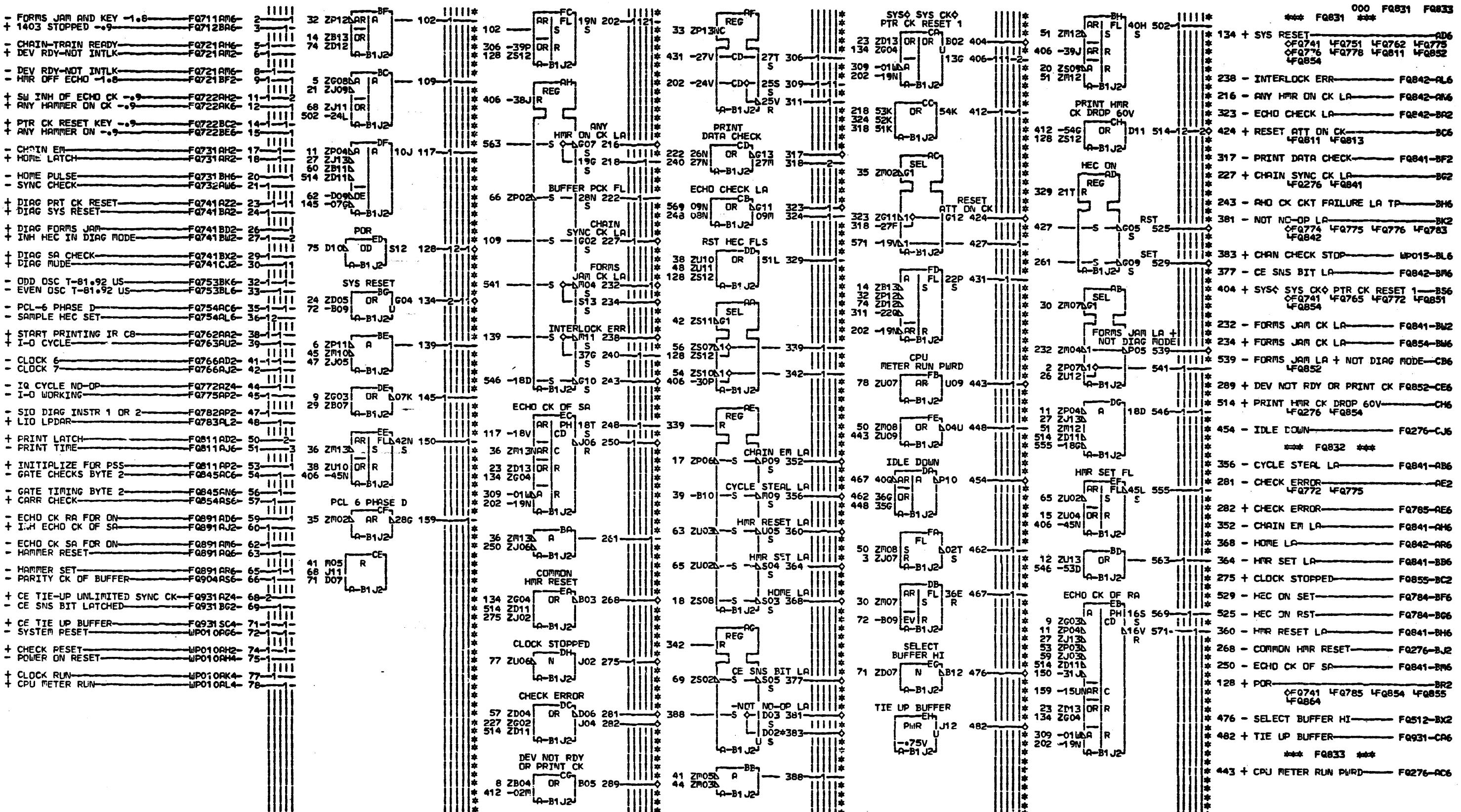
8 Z0100 N 23J 102
 137 24T R REG
 510 23TP T 23U
 255 T 26W
 26T6 T 26V 121
 5 ZD068A DR CF
 74 ZJ050 DR
 5 ZD061A DR
 71 ZU11B DR
 121 26V1 4A-B1K2
 PRINT LATCH
 50 ZJ11 A FL G12 135
 53 ZG130 S S 026D 137
 47 ZJ12 DR R
 56 ZB11 DR R
 59 ZG09 4A-B1K2
 RX THRUPT
 83 ZG03 AR DR 005E 146
 26 ZJ13 A
 65 ZD070
 29 ZD056A 4A-B1K2
 69 ZB050 4A-B1K2
 44 ZG11 A 137-230A 4A-B1K2
 251

PRINT TIME
 17 ZJ06N A FLAG02 303
 102-21LDR CD S 022K 204
 56 ZB11 OR R 4A-B1K2
 229-19C 4A-B1K2
 25 ZD100G1 SEL
 SCR PHASE I
 504-07F1 1809 219 008E 220
 23 ZD121.1 10F 223
 END OF PRINT SCANNING
 59 ZG09 AR DR 19F 229
 41 ZB120A 4A-B1K2
 121-26V1 4A-B1K2
 56 ZB11D A 0190 325
 229-19C 4A-B1K2

ENCR SCR
 303 ZG02G1 SEL
 INITIALIZE FOR LINE
 444-13K01 D13 408
 17 ZJ06N A R 4A-B1K2
 202-19L 4A-B1K2
 56 ZB11 OR R 4A-B1K2
 204-19J 4A-B1K2
 437 G4L01 SEL
 SEEK EOD
 126 26J1 319
 220 15H1 321
 56 ZB11D A 0190 325
 229-19C 4A-B1K2
 REG
 321 AR S S 14J 420
 321 AR S S 319
 56 ZB11 OR R 319
 229-19C 319
 66 ZD070A DR 319
 223-08K0 319
 925 ZJ070 4A-B1K2
 SCAN HAMMERS
 415 RR FL J07 535
 556 S 004D 437
 251 S 023E 441
 415 S 14P 444
 UPC LATCH
 8 ZG10 UN R 17Q 537
 56 ZB11 4A-B1K2
 229-19C 4A-B1K2
 415 S 14P 545
 223-08K0 545
 535 ZJ070 545
 126-26J 545
 50 ZJ11 DR R 545
 56 ZB11 4A-B1K2
 220 03FD R 556
 146 03ED 4A-B1K2
 519 + CARRIAGE GD
 END OF SUB-SCAN
 41 ZB120 AR R J09 563
 59 ZG09 DR
 580-04PD 563
 121-01L 4A-B1K2
 REG
 172 R 563
 223-02C0G1 563
 OVERRUN DELAY
 80 ZD02 1-S 003 577
 62 ZB02 1-S 004C 580
 END OF PRINT SCANNING
 41 ZB120 A 0J02 586
 121-26V 4A-B1K2

062 FQ811 062 FQ811 062 FQ811
 062 FQ813 062 FQ813 062 FQ813
 135 + PRINT LATCH 0F0276 4F0775 4F0776 4F0781
 303 - PRINT TIME 4F0751 4F0831 4F0842
 408 + INITIALIZE FOR LINE FQ753-0K2
 503 + INCR SCR 4F0754 4F0755 4F0901
 535 - SCAN HAMMERS 4F0741 4F0755 4F0892
 412 + INITIALIZE FOR PSS 4F0754 4F0832
 062 FQ812 062 FQ812 062 FQ812
 219 + INCR SCR PHASE D FQ885-0K2
 545 + UPC LATCH FQ842-0P2
 519 + CARRIAGE GD FQ832-0E6
 062 FQ813 062 FQ813 062 FQ813
 586 - END OF PRINT SCANNING FQ782-0M6
 563 + END OF SUB-SCAN FQ751-0P2
 577 + OVERRUN DELAY FQ731-0T2
 PAGE VER EC REV
 FQ831 062 821457
 FQ832 062 821457
 FQ833 062 821457
 LOC. TYPE
 4A-B1K2 0781
 PHT CNTLS-END OF DATA DETECT
 UPC-END OF SUBSCAN/PORT SCANS
 -E-C HISTORY-C-PACH-14033415
 FRAME 01 FQ811
 DATE LAST EC
 06-01-73 821457
 IBM COMPASSID FQ833
 IP.NY 5555003 062

THIS DOCUMENT IS IBM CONFIDENTIAL
 UNTIL ANNOUNCEMENT DECLASSIFY
 THEREAFTER



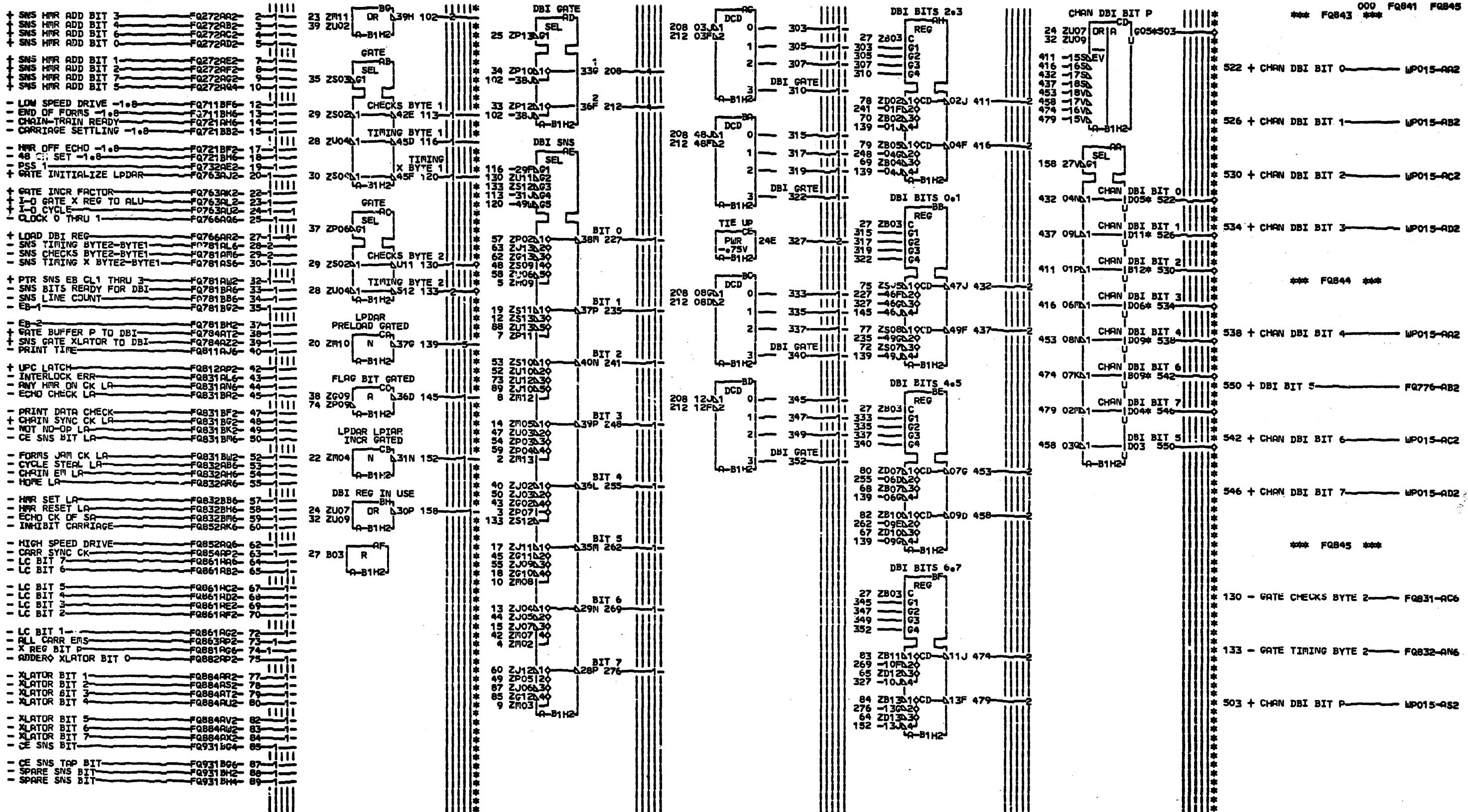
EDGE CDRN.
383 A-B1M6C04
01A-B1P5I-76

LOC. TYPE
A-B1J2 0783

PAGE	VER	L	LEV
FQ831	000	824895	
FQ832	000	821457	
FQ833	000	821457	

LATCH CHECKS FOR SNS-IDLE DOWN
AND ECHO CHECKING
—E.C.—HISTORY—C, MACH. 1403SP15
821457

DATE	LAST EC	IBM CORP-GSD	FQ833
12-31-74	824895	PoNo. 5555804	000



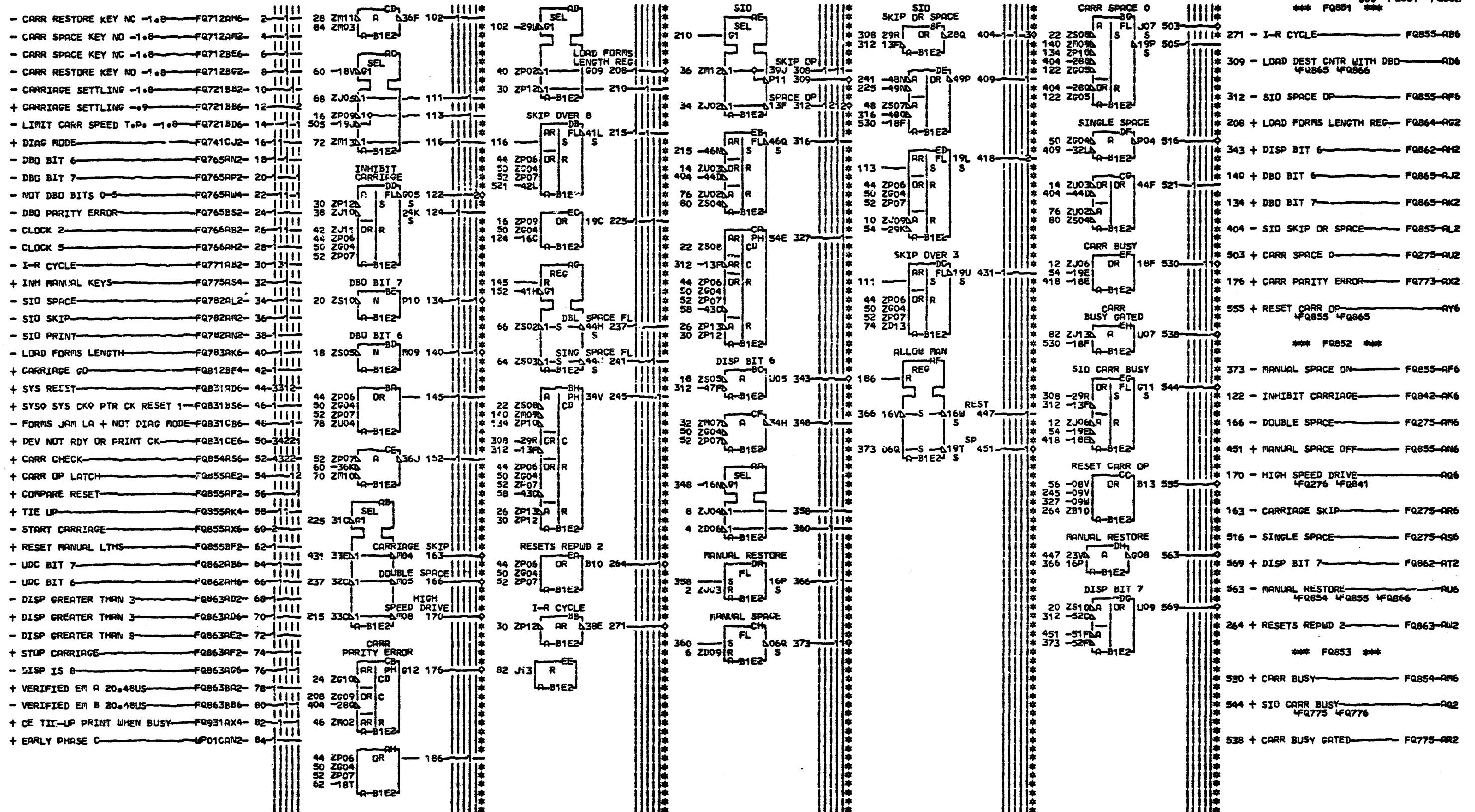
EDGE CONN. 01A-B1RA0D07
 503 A-B1M6R02 538 A-B1J6C02
 51A-B1R4D02 01A-B1R4D09
 522 A-B1M6B02 542 A-B1J6E02
 01A-B1R4D03 01H-B144U11
 526 A-B1M6D02 546 A-B1K6B02
 01A-B1R4D05 01A-B1R4D13
 530 A-B1M6C02 01A-B1R4D06
 534 A-B1J6R02

LDC. TYPE
A-B1H2 0784

PAGE VER EC LEV
 FQ841 000 821457
 FQ842 000 821457
 FQ843 000 821457
 FQ844 000 821457
 FQ845 000 821457

DBI GATES-DBI BITS 0 TO 7	
-E.C.-HISTORY-C MACH61403SM15	
FRAME 01	FQ841
IBM CORP.GSD	FQ845
DATE LAST EC	06-01-73 821457
P.N. 5555805	000

THIS DOCUMENT IS IBM CONFIDENTIAL
 UNTIL ANNOUNCEMENT DECLASSIFY
 THEREAFTER.



LOC. TYPE
R-B1E2 0785

PAGE VER EC LEV
FQ851 000 821457
FQ852 000 821457
FQ853 000 821457

THIS DOCUMENT IS IBM CONFIDENTIAL
UNTIL ANNOUNCEMENT DECLASSIFY
THEREAFTER.

CARRIAGE CONTROLS	
LOAD	- DRIVE -
BUSY	
E.C. HISTORY	C PACH 1403SM15
FRAME	01 FQ851
DATE LAST EC	06-01-73 821457
IBM CORP.GSD	FQ853
P.N. 5555806	000

- CARR BRUSH -9 FQ711AK2
 - LOW SPEED DRIVE -1.8 FQ711BF6
 + DIAG MODE FQ741CJ2
 - CARR CLOCK 3 FQ756BF6
 - CARR CLOCK 4 FQ756BG6 10 12
 + CARR CLOCK 1 FQ756BH2 12
 - CARR CLOCK 1 FQ756BH6 14
 - CARR CLOCK 2 FQ756BJ6 16-32
 - CLOCK 8 FQ766RE2 1E
 - READY PH FQ775RE2 20
 - SIO SKIP FQ782AM2 22
 + SYS0 SYS CK PTR CK RESET 1 FQ831BS6 26
 + FORMS JAM CK LA FQ831BU6 28
 + PRINT HMR CK DROP 60V FQ831CH6 30 3
 + CLOCK STOPPED FQ832BC2 32
 + POR FQ832BR2 34-2
 - I-R CYCLE FQ851AB6 36-1
 - SIO SPACE DP FQ851AF6 38-1
 - SIO SKIP OR SPACE FQ851AL2 40-1
 + RESET CARR DP FQ851AY6 42-1
 - MANUAL SPACE ON FQ852AF6 44-1
 + MANUAL SPACE OFF FQ852AN6 46-1
 - MANUAL RESTORE FQ852AU6 48-1-2
 + CARR BUSY FQ853AM6 50-1-2
 - UDC BIT 7 FQ862AB6 52-1
 + STOP CARRIAGE FQ863AF2 54-1
 - VERIFIED EM A 20.48US FQ863BA6 56-1
 - COMPARE FQ865AV4 58-1-2
 - DEST REG IS 01 FQ866AV6 60-1
 - DEST REG IS FF FQ866AY4 62-1
 + CE TIE-UP PRINT WHEN BUSY FQ931AX4 64-1

COMPARE RESET CD
 22 ZM120 CD 04D 103
 36 -23QD
 58 ZP030
 18 ZD04NAR C
 34 ZB05 R R
 44 -14QD
 46 -14VD
 RUN-AWAY BE
 523 -01F CD 02C 116
 557 -01ENC S 116
 205 ZB02IR 402F 118
 44 16HD A
 46 17HD A
 NO MOTION CB
 16 ZB090 A S 130
 407 -07TD
 415 -06TD
 539 -08TD
 24 ZP06 OR R
 528 ZP07
 2 ZP05 DE R
 343 -38N A-B1E2
 CARR SYNC OR POR BH
 34 ZB05 OR G02 146
 327 -11C
 116 -12C
 COUNT DEST CNTR DOWN DA
 14 ZB030A DR D02 154
 557 -01HD
 16 ZB090A
 537 ZD030
 ADVANCE UDC DB
 16 ZB090A OR DB11 163
 537 ZD030
 56 ZD11DA
 55 ZB020
 539 -08KA A-B1E2

CARR DP LATCH CO
 40 -11TD S 11U 203 210
 48 ZG080 S 203 205-2
 15 ZB090A S S
 48 ZG080
 16 ZB090A S
 44 -14QD
 46 -14VD
 42 ZB130 OR R
 54 ZD130
 103 -12W A-B1E2
 510 SEL
 38 18HD AR OR AG
 62 ZB1201
 539 -08E1 A-B1E2
 229 NO MOTION BB
 519 22Q A 229
 118 21Q A-B1E2
 24 ZP06 BD
 528 ZP07 D26Q 237
 582 -06VD A-B1E2
 2 ZP05A1-S 343
 52 ZS03A1-S 347
 UDC IS ODD A-B1E2 S

10 ZD070A AH
 203 11U A
 203 11UAR
 20 ZG070
 32 ZJ12
 36 -23N A-B1E2
 LOAD DEST CNTR FL
 223 S 313
 12 ZB07 R S A-B1E2
 26 ZM02 R
 49 ZG080 A 26L 331
 237 -26QDR
 247 -33RDG1
 2 ZP05A1-S 343
 52 ZS03A1-S 347
 BRUSH IN HOLE S

REG
 203 11UAR
 225 S 407
 36 -23N A-B1E2
 SPACE OP
 122 S 411
 16J S
 302 S 415
 415 -09FDG1
 205 ZB02 R
 419 NO CK MAN REST
 48 ZG080 S 21J 519
 313 ZD050 A-B1E2
 CARR SYNC CK LA
 566 S 323
 229 RUNAWAY CK
 323 28N OR DU06 425
 327 29N A-B1E2
 CHECK ODD-EVEN AE
 2 ZP050 DD 36Q 438
 343 -37ND
 347 -36ND
 10 ZD070A A
 48 ZG080 S 11P 539-2
 203 11UAR
 58 ZP03A S
 407 -13DA
 411 -11RA
 415 -13DA
 203 -11UAR R
 10 ZD070A R
 58 ZP03A
 331 -21RA A-B1E2
 COUNT UP DD
 10 ZD070A A
 48 ZG080 S 11P 539-2
 203 11UAR
 58 ZP03A S
 407 -13DA
 411 -11RA
 415 -13DA
 203 -11UAR R
 10 ZD070A R
 58 ZP03A
 331 -21RA A-B1E2
 DEST IS 01 LATCH CH
 14 ZB030 A
 60 ZB040 S
 537 ZD030 S
 8 ZD120AR R
 4 ZS090A OR
 30 ZG130
 28 ZG030A
 30 ZG130
 50 -01RA
 438 -29DA
 28 ZG030A
 30 ZG130
 50 -01RA
 130 -28ED A-B1E2

TIE UP CE PUR
 -75V A-B1E2
 26J 480
 START CARRIAGE DC
 16 ZB090A A D06V 582
 407 -07TD
 415 -06TD
 539 -08TD A-B1E2

SEL AB
 415 -09FDG1
 225 CARR START FL
 36 -09E 407
 14 ZB0201 R 04P 508
 8 ZD1201 A-B1E2 510
 425 - CARR SYNC CK
 446 + CARR SYNC DR POR
 528 + CARR CHECK
 425 - CARR SYNC CK LA
 419 RUNAWAY DETECT
 419 CARR CHECK
 28 ZG03 AR OR P07 528
 6 ZP090A
 64 ZJ130
 425 ZU060
 COUNT UP DD
 10 ZD070A A
 48 ZG080 S 11P 539-2
 203 11UAR
 58 ZP03A S
 407 -13DA
 411 -11RA
 415 -13DA
 203 -11UAR R
 10 ZD070A R
 58 ZP03A
 331 -21RA A-B1E2
 DEST IS 01 LATCH CH
 14 ZB030 A
 60 ZB040 S
 537 ZD030 S
 8 ZD120AR R
 4 ZS090A OR
 30 ZG130
 28 ZG030A
 30 ZG130
 50 -01RA
 438 -29DA
 28 ZG030A
 30 ZG130
 50 -01RA
 130 -28ED A-B1E2

582 - START CARRIAGE
 481 + CE TIE UP
 537 - COUNT UP
 205 - CARR OP LATCH
 508 + RESET MANUAL LTHS

*** FQ854 ***
 *** FQ855 ***

000 FQ854 FQ855

425 - CARR SYNC CK FQ841-AP2

146 + CARR SYNC DR POR FQ861-AR6

528 + CARR CHECK FQ276 4FQ832 4FQ852 AS6

*** FQ855 ***

203 + CARR OP LATCH FQ853-RE2

103 + COMPARE RESET FQ851-AP2

480 + TIE UP FQ851-AP4

313 - LOAD DEST CNTR FQ865-AR6

154 + COUNT DEST CNTR DOWN FQ865-AR2

163 - ADVANCE UDC FQ862-AR6

582 - START CARRIAGE FQ852 4FQ853 AX6

481 + CE TIE UP FQ931-AY6

537 - COUNT UP FQ862-AR6

205 - CARR OP LATCH FQ863-BD6

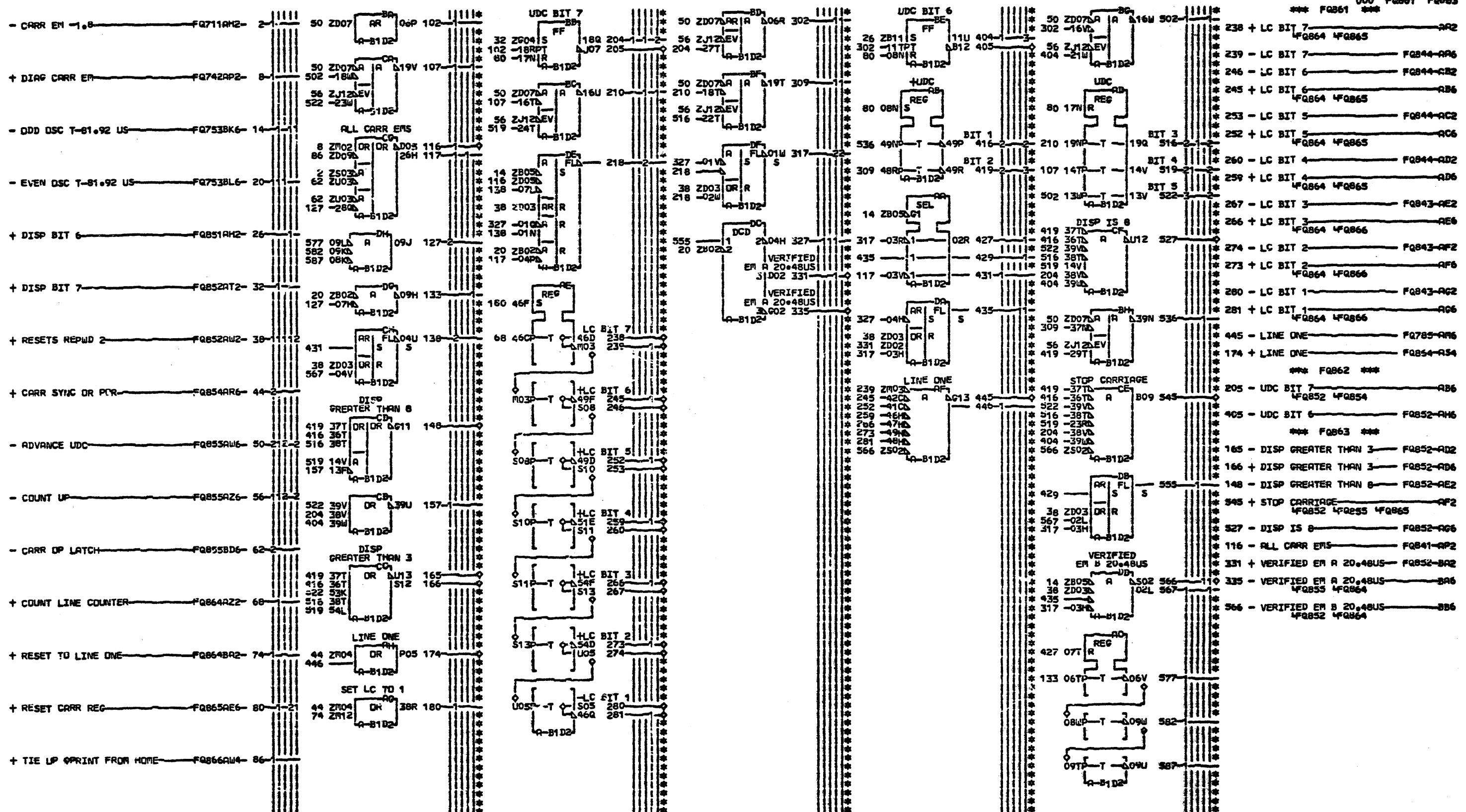
508 + RESET MANUAL LTHS FQ852-BF2

LOC TYPE
 R-B1E2 0785

PAGE VER EC LEV
 FQ854 000 521457
 FQ855 000 8-1457

THIS DOCUMENT IS IBM CONFIDENTIAL
 UNTIL ANNOUNCEMENT DECLASSIFY
 THEREAFTER.

CARR CMK-CARR REG CONTROLS	
-E.C.-HISTORY	C MACH1403SM5
FRAME	01 FQ854
IBM CURP,GSD	FQ855
DATE	06-01-73
LAST EC	821457
P.N.	5555807
000	

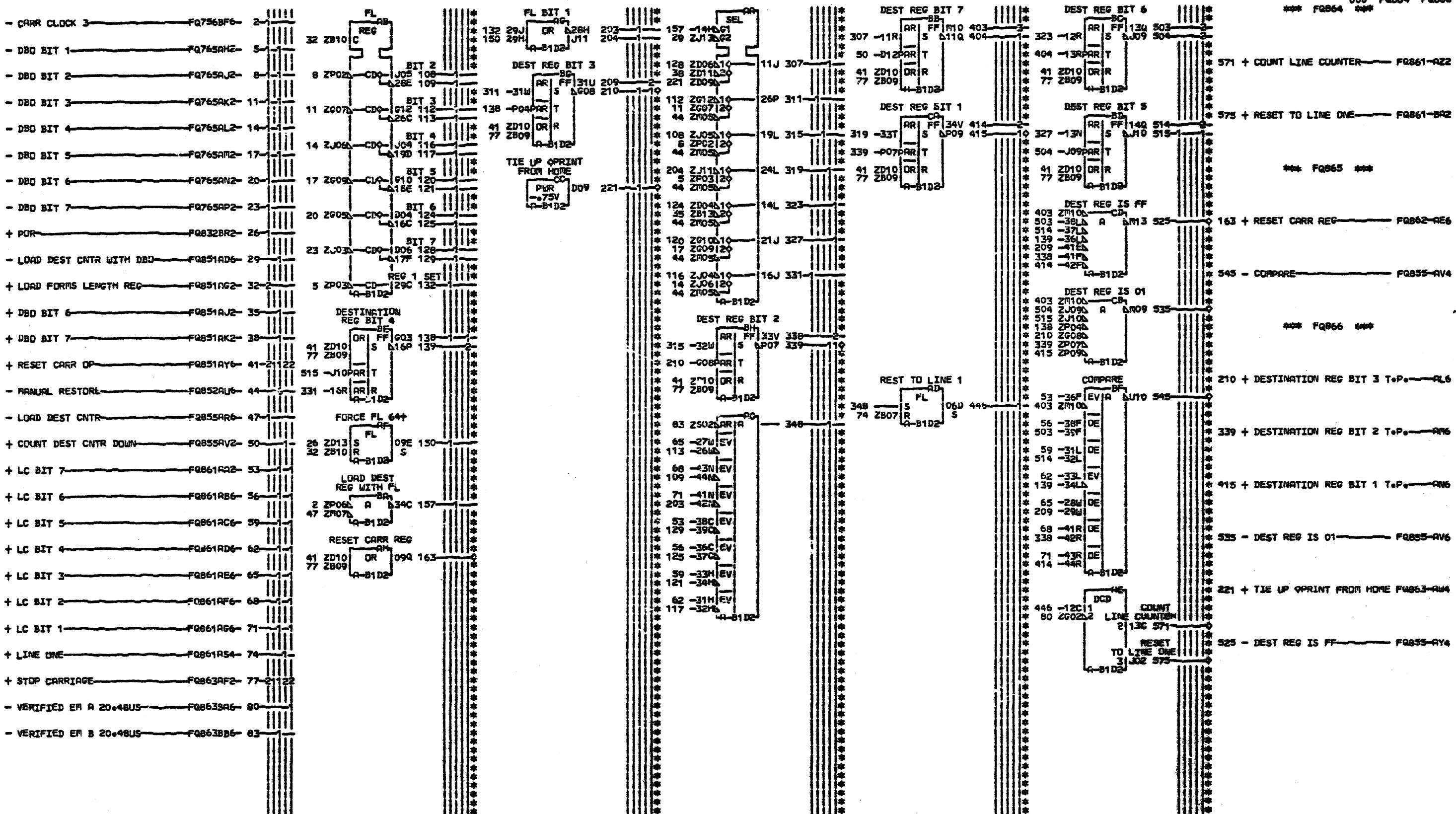


LOC. TYPE
A-B1 H2 07B6

PAGE	VER	EC	LEV
FQ861	000	821457	
FQ862	000	821457	
FQ863	000	821457	

THIS DOCUMENT IS IBM CONFIDENTIAL
UNTIL ANNOUNCEMENT DECLASSIFY
THEREAFTER.

LINE COUNTER REGISTER
UP-DOWN COUNTER AND DECODE
E-C-HISTORY C MACH.1403SM15



BEST REG BIT IS ACTIVE
WHEN FF IS RESET

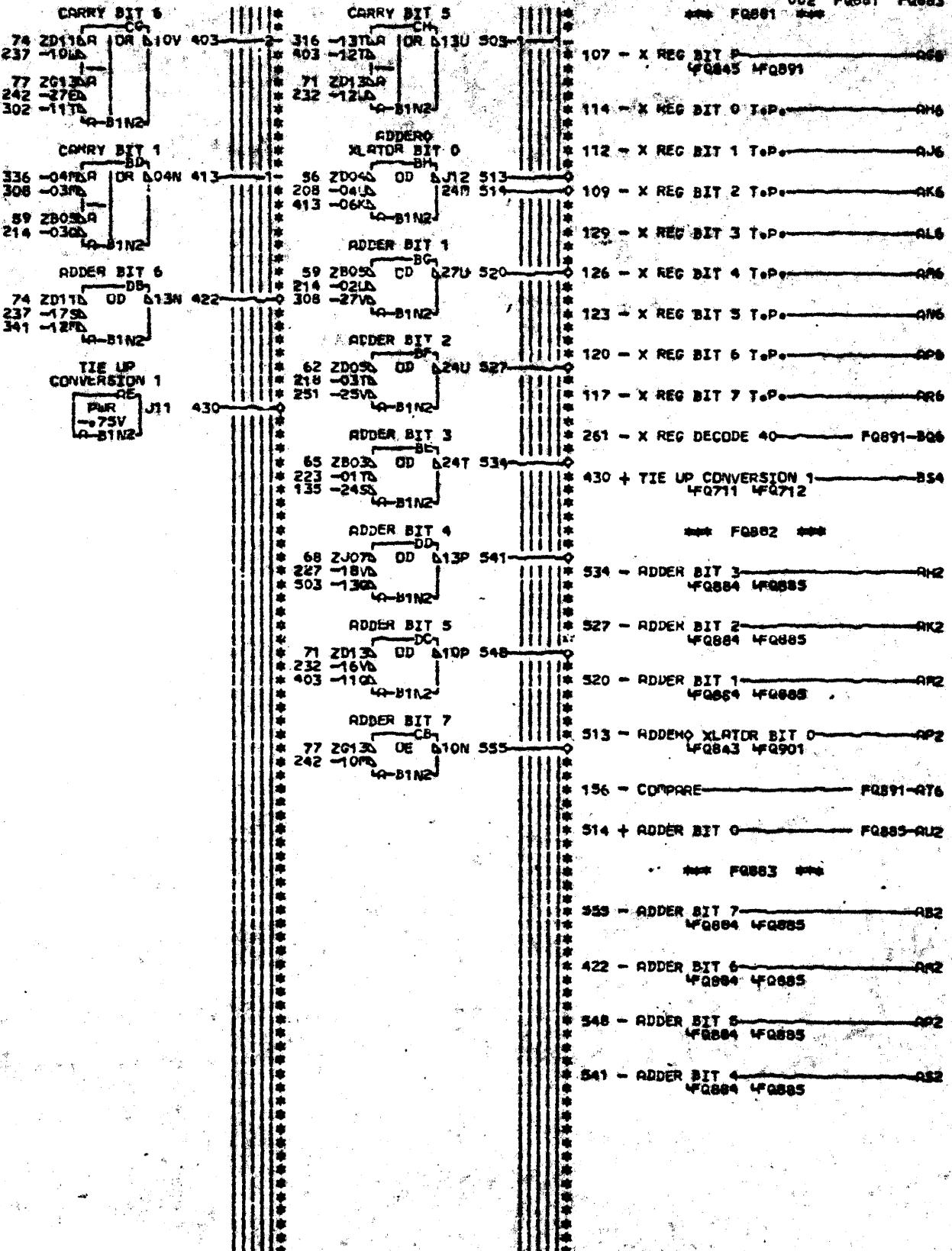
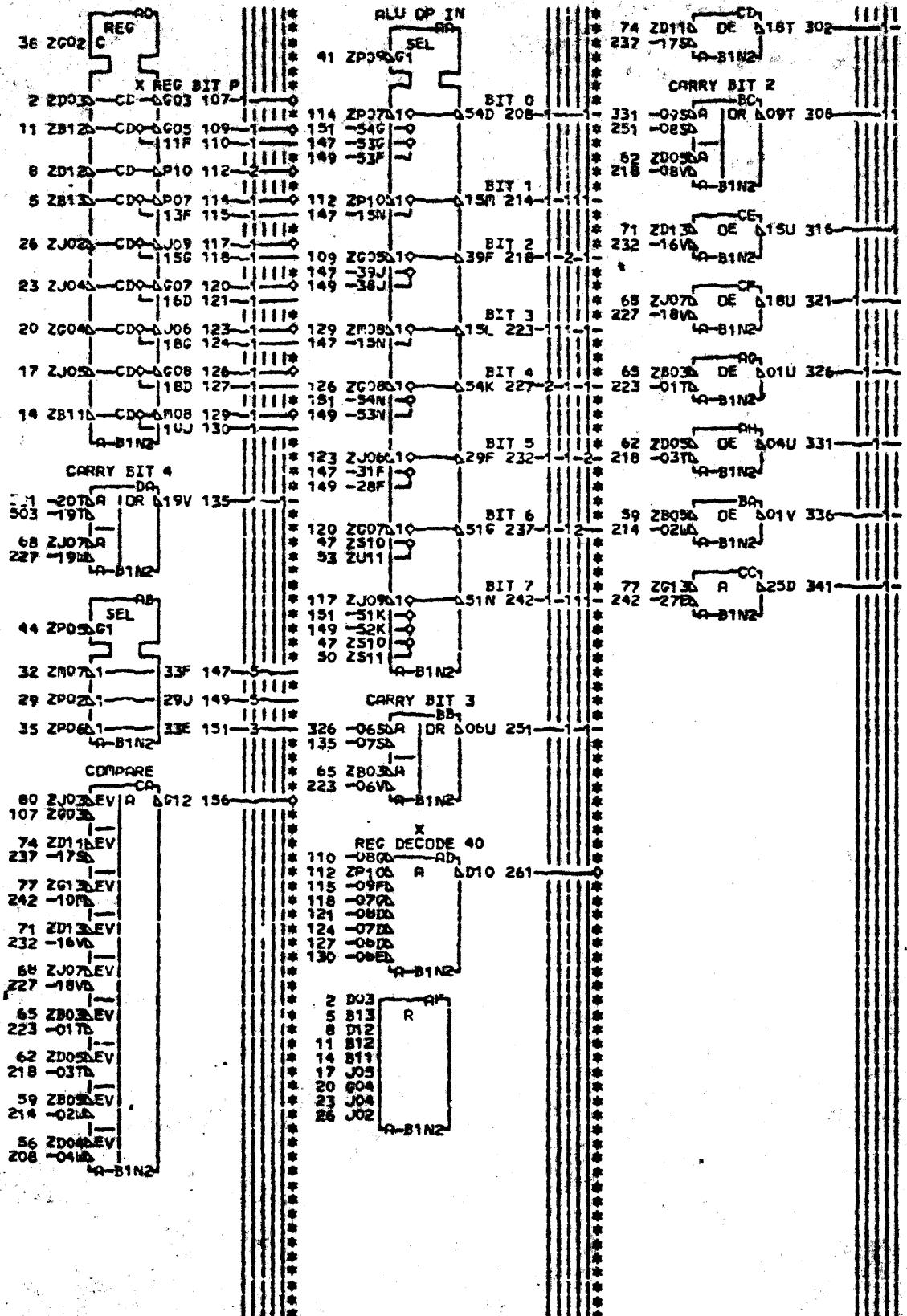
LOC. TYPE
R-B1 D2 078

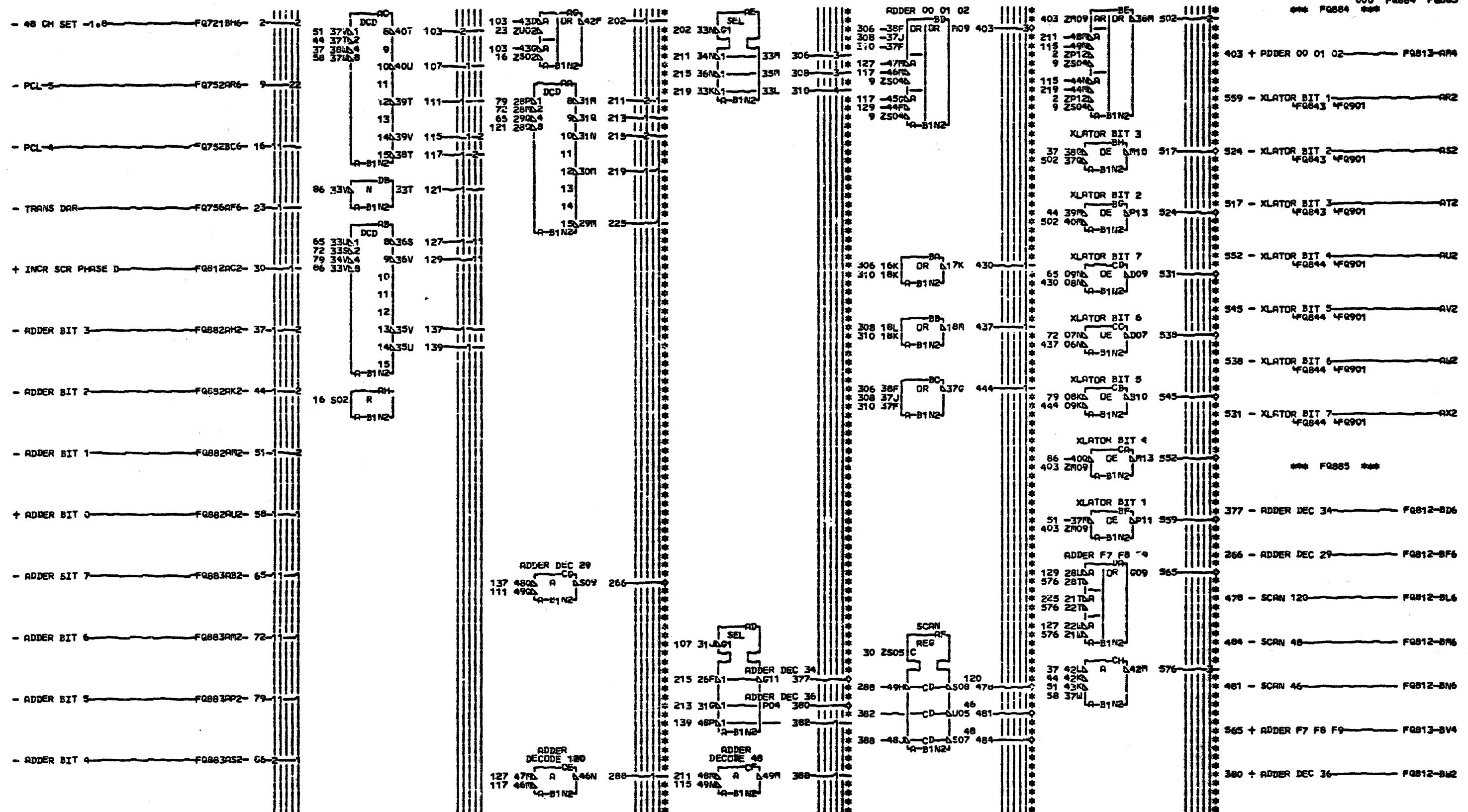
PAGE VER EC LEV
FQ864 000 821457
FQ865 000 821457
FQ866 000 821457

THIS DOCUMENT IS IBM CONFIDENTIAL
UNTIL ANNOUNCEMENT DECLASSIFY
THEREAFTER.

FORMS LENGTH REGISTER	
DESTINATION COUNTER	
E.C. HISTORY	MACH.1403SR15
FRAME 01	
IBM CORP.GSD	
DATE LAST EC	I.P.N. 5555809
06-01-73 821457	

- BUFFER BIT P FQ512AC0- 2
 - BUFFER BIT 0 FQ512AC1- 5
 - BUFFER BIT 1 FQ512AC3- 8-11
 - BUFFER BIT 2 FQ512AC4- 11-1
 - BUFFER BIT 3 FQ512AC5- 14-1
 - BUFFER BIT 4 FQ512AC6- 17-1
 - BUFFER BIT 5 FQ512AC7- 20-1
 - BUFFER BIT 6 FQ512AC8- 23-1
 - BUFFER BIT 7 FQ512AC9- 26-1
 + ATTACHMENT TIE UP FQ752BH4- 29-1
 - MOD 2 TIE DOWN FQ752BJ4- 32-1
 - MOD M TIE DOWN FQ752BK4- 35-1
 + LOAD X REG FQ754AM2- 5B-1
 - GATE X REG TO ALU FQ755AL2- 41-1
 - GATE RPR INITIALIZE FQ755AT6- 44-1
 + GATE +3 TO ALU FQ755BL2- 47-2
 + GATE +1 TO ALU FQ755BM2- 50-1
 + GATE +2 TO ALU FQ755BP2- 53-1
 - Y REG BIT 0 FQ902AG6- 56-1
 - Y REG BIT 1 FQ902AH6- 59-1
 - Y REG BIT 2 FQ902AJ6- 62-2
 - Y REG BIT 3 FQ902AK6- 65-1
 - Y REG BIT 4 FQ903AE6- 68-2-1
 - Y REG BIT 5 FQ903AF6- 71-1-2
 - Y REG BIT 6 FQ903AG6- 74-1-2
 - Y REG BIT 7 FQ903AH6- 77-1-1
 - Y REG BIT P FQ904AQ6- 80-1



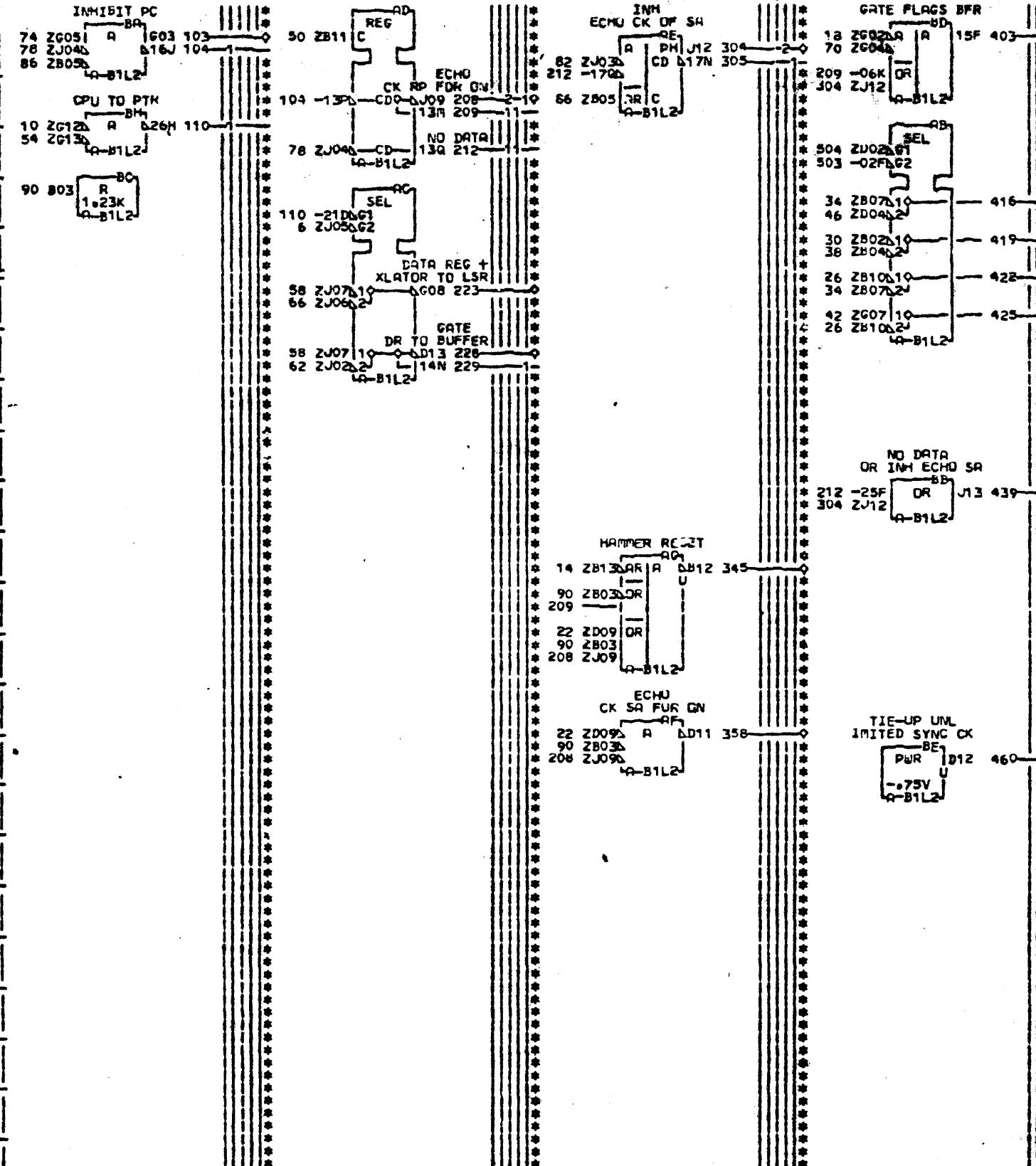


PAGE VER EC LEV
FQ884 000 821457
FQ885 000 821457

THIS DOCUMENT IS IBM CONFIDENTIAL
UNTIL ANNOUNCEMENT DECLASSIFY
THEREAFTER.

TRANSLATOR-ADDER DECODE	
-E-C-HISTORY-	C-MACH-1403SPR15
FRAME	01 FQ884
DATE LAST EC	06-01-73 821457
IBM CORP. GSD	FQ885
10, No.	5555813
	000

+ DIRG MODE FQ741CJ2- 2
 - UV3-CYCLE FQ751AJ6- 6
 - UV3-CYCLE GATED FQ751AK6- 10
 - PCL-6 FQ752CP6- 14
 - PCL 3 FQ752RY6- 18
 - MOD M1 TIE DOL7 FQ752BK4- 22
 - PTR PHASE B FQ753AS6- 26
 - PTR PHASE C FQ753AT6- 30
 - PTR PHASE D FQ753AU6- 34
 - PTR PHASE E FQ753HV6- 38
 + PTR PHASE A FQ753AY2- 42
 - LAST HALF PTR PHASE E FQ753BA6- 46
 + LOAD MAR FQ754RZ6- 50
 - CPU TO PTR XFER FQ762RC6- 54
 - INITIALIZE FOR XFER FQ762RS6- 58
 - LIO TO BUFFER FQ784RD6- 62
 - LIO LSR FQ784RK6- 66
 - SCAN HAMMERS FQ811AN6- 70
 - X REG BIT P FQ881RG6- 74
 - X REG DECODE 40 FQ881BQ6- 78
 - COMPARE FQ882AT6- 82
 + SAMPLE COMPARE FQ904AL2- 86
 + DIRG Z.C TIE UP FQ931BL4- 90



A,SIM TO PN EC 821457
 B,SIM TO PN EC 821457
 C,SIM TO PN EC 821457

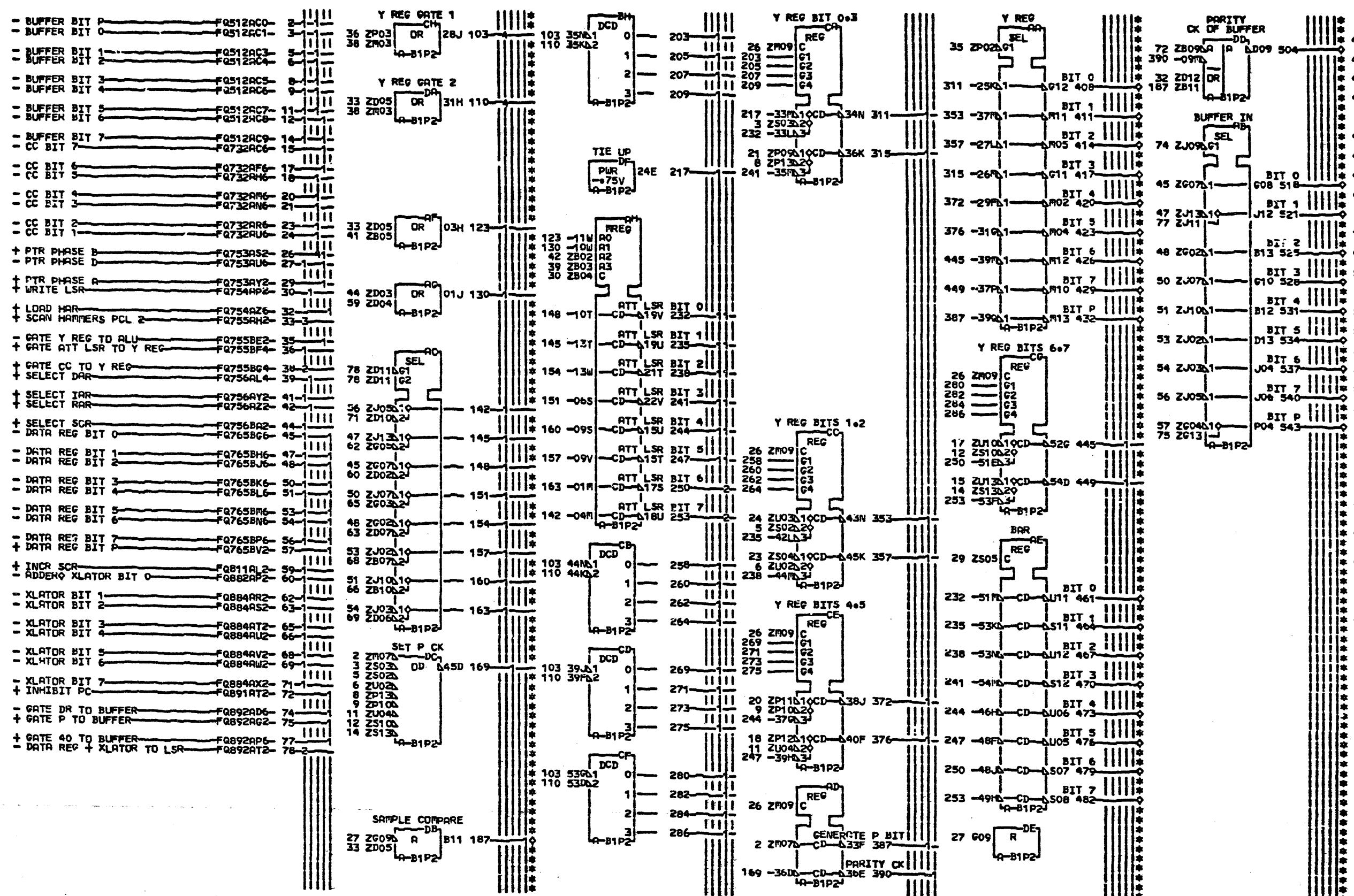
LOC. TYPE
A-B1L2 0989

PAGE VER EC LEV
 FQ891 062 821457
 FQ892 062 821457
 FQ893 062 821457

THIS DOCUMENT IS IBM CONFIDENTIAL
UNTIL ANNOUNCEMENT DECLASSIFY
THEREAFTER.

*** FQ891 062 FQ891 ***
 74 ZG051 A 603 103
 78 ZJ045 B16 104
 86 ZB050 LA-B1L2
 INHIBIT PC
 50 ZB11 C REG AD
 74 ZG051 A 603 103
 78 ZJ045 B16 104
 86 ZB050 LA-B1L2
 ECHO CK OF SA
 104 -13P CK RD FDR CN
 10 ZG120 A B26H 110
 54 ZG130 LA-B1L2
 CPU TO PTR
 78 ZJ045 CD 13Q 212
 50 ZB11 C REG AD
 74 ZG051 A 603 103
 78 ZJ045 B16 104
 86 ZB050 LA-B1L2
 NO DATA
 110 -21D6G1
 6 ZJ050G2
 SEL
 58 ZJ07A1
 66 ZJ06G2
 DATA REG +
 XLATOR TO LSR
 6008 223
 DR TO BUFFER
 58 ZJ07A1
 62 ZJ02A2
 13Q 212
 LA-B1L2
 GATE FLAGS BFR
 12 ZG02LA A 15F 403
 70 ZG044 CD 117N 305
 82 ZJ030 A 212 1700
 66 ZB055 RR C
 LA-B1L2
 INH ECHO CK OF SA
 104 -13P CK RD FDR CN
 10 ZG120 A B26H 110
 54 ZG130 LA-B1L2
 209 -06K OR
 304 ZJ12 LA-B1L2
 WRITE BF
 229 10H DR D10J 503
 403 12H D02 503
 503 503
 208 - ECHO CK RA FOR ON FQ832-AD6
 304 + INH ECHO CK OF SA FQ832-AJ2
 358 - ECHO CK SA FOR ON FQ832-AF6
 345 - HAMMER RESET 4FQ832-AQ6
 532 - HAMMER SET FQ832-AR6
 545 + HAMMER SET FQ826-AS2
 103 + INHIBIT PC FQ904-AT2
 439 + NO DATA OR INH ECHO SA FQ812-AU6
 *** FQ892 ***
 228 - GATE DR TO BUFFER FQ905-AD6
 529 + GATE P TO BUFFER FQ905-AR2
 504 + WRITE - READ FQ512-AC6
 460 + TIE-UP UNLIMITED SYNC CK 4FQ931
 534 + GATE 40 TO BUFFER FQ905-AP6
 223 - DATA REG + XLATOR TO LSR AT2 4FQ901
 *** FQ893 ***
 518 + CARD SELECT FQ512-AC2
 510 + TP TIMING FQ512-AP2

FLAG BITS AND BUFFER CONTROLS		C PACH_1403SM15	
E.C.-HISTORY		FRAME	01 FQ891
		IBM CURP.GSP	FQ893
BHTE	LAST EC	IP.N.	5555816 062
	06-01-73 821457		

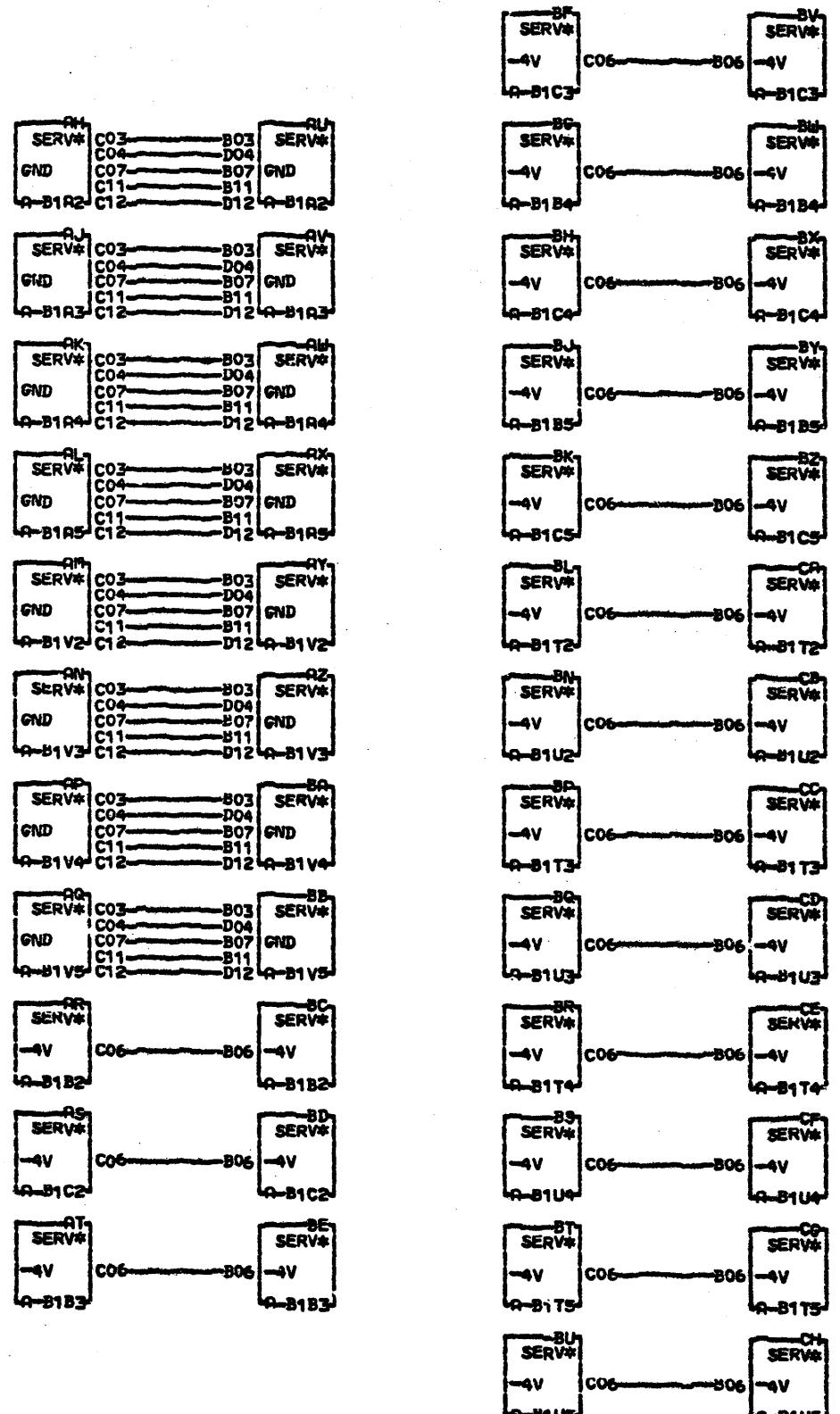


LOC. TYPE
A-31P2 0480

THIS DOCUMENT IS IBM CONFIDENTIAL
UNTIL ANNOUNCEMENT DECLASSIFY
THEREAFTER.

PAGE	VER	EC	LEV
FQ901	000	821	457
FQ902	000	821	457
FQ903	000	821	457
FQ904	000	821	457
FQ905	000	821	457
FQ906	000	821	457

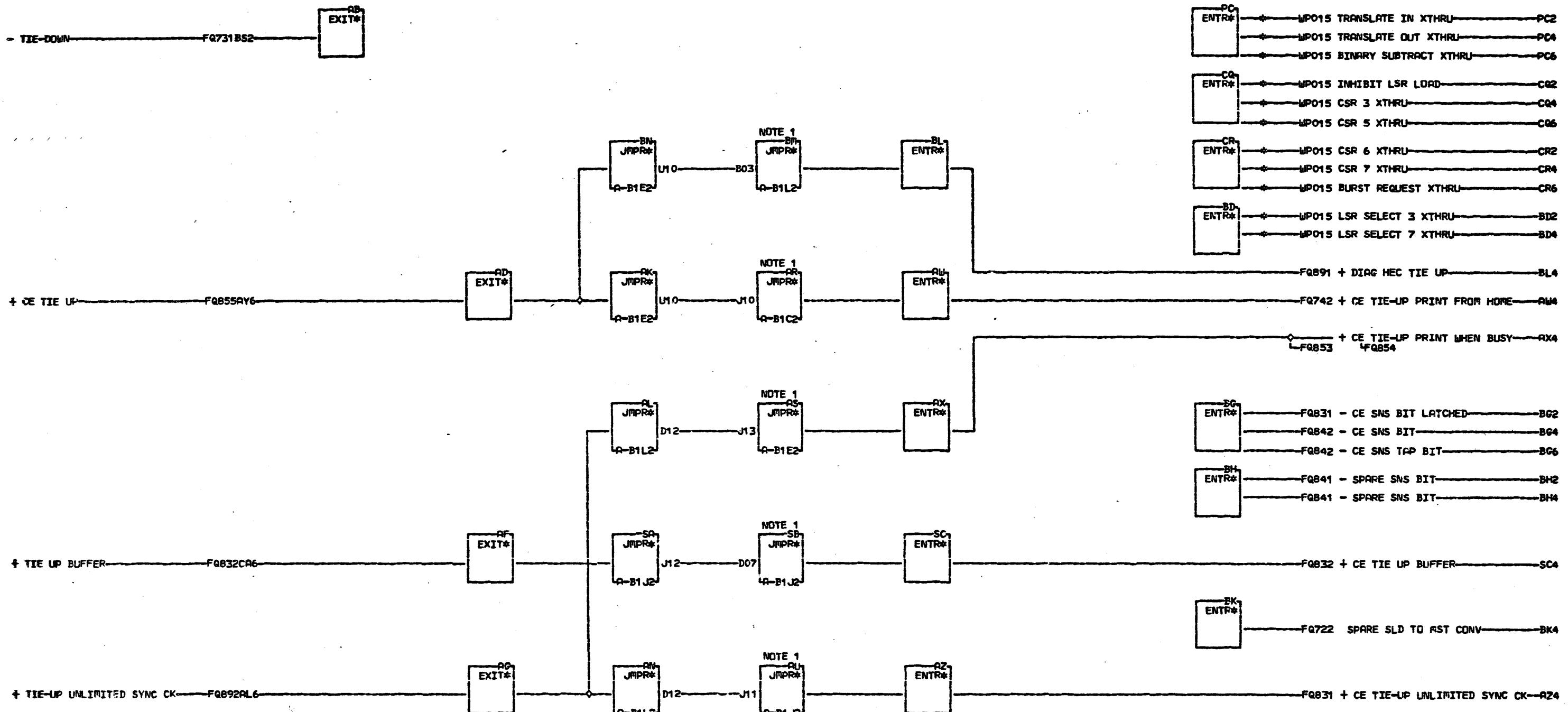
Y NEG BAR LSRS	
E-C HISTORY	C MARCH 14035PM15
DATE LAST EC	FRAME 01 FQ901
06-01-73 821457	IBM CORP GSD FQ906
	P/N 5555812 000



LOC. TYPE

THIS DOCUMENT IS IBM CONFIDENTIAL
UNTIL ANNOUNCEMENT DECLASSIFY
THEREAFTER.

BOARD 01A-81 SERVICE		F
E.C. HISTORY	001	
MACH:1403SR15		Q
FRAME	01	
IBM CORP. GSD		2
DATE LAST EC	000	
106-01-73 821457		
IPoN: 5555618		



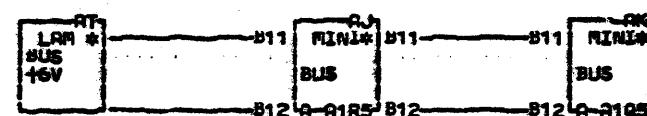
NOTE 1 UNDER NORMAL OPERATION
THIS JUMPER IS NOT INSTALLED.
IF INSTALLING THIS JUMPER FORCES
A FUNCTION INDICATED BY THE
LINE NAME.

3
1
000

BD2 A-B1J6B04 01A-B1A5D05 DA6 A-B1N6D04
01A-B1A4B08 CP2 A-B1N6C02 01A-B1A5B12
BD4 A-B1K6B04 01A-B1A5D06 PC2 A-B1N6C02
01A-B1A4B13 CR4 A-B1R6D02 01A-B1P5D11
CQ2 A-B1H6E04 01A-B1A5D07 PC4 A-B1N6E02
01A-B1P4B06 CP6 A-B1N6E04 01A-B1A5D13
CQ4 A-B1L6D02 01A-B1A5B08 PC6 A-B1A6B05
01A-B1A5D02 DA2 A-B1N6P04 01A-B1H6D04
CQ6 A-B1M6B02 01A-B1A5B09

LOC. TYPE

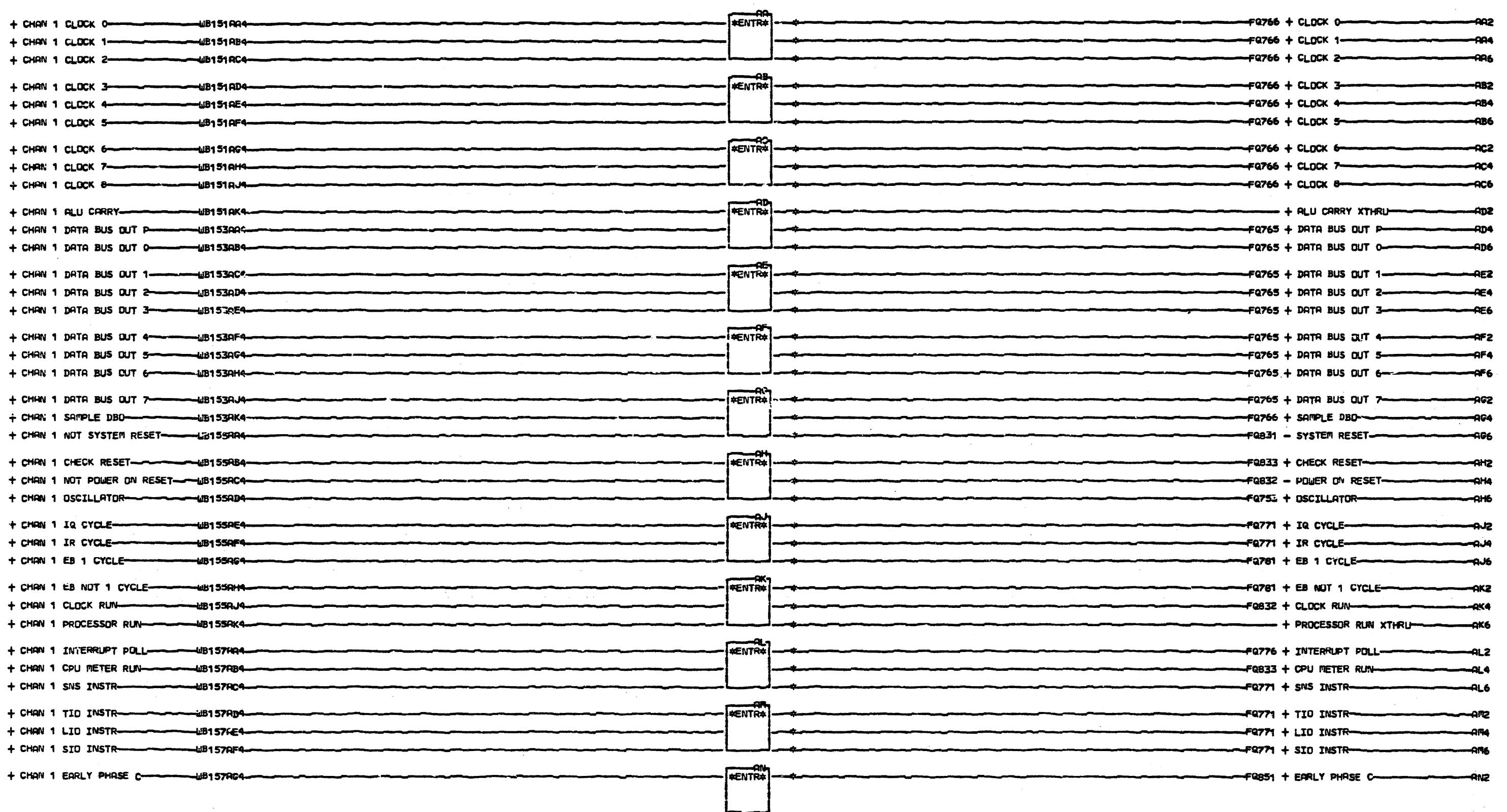
CHAN IN LINES THRU BOARD	
TIE-UP TIE-DOWN FUNCTION	
—E.C.—HISTORY—C.MACH.1403SP15	
821457	F
FRAME	3
IBM CORP. GSD	1
DATE 12-31-74 824895	000
P.No. 5555819	



LOC. TYPE

THIS DOCUMENT IS IBM CONFIDENTIAL
UNTIL ANNOUNCEMENT DECLASSIFY
THEREAFTER.

BOARD MINIBUS SERVICING	
E.C.-HISTORY	C MACH-1403SM15
FRAME	01
IBM COMP. GSD	000
DATE LAST EC	06-01-73 821457
P.N. 5555820	000



LOC# TYPE

R02 R-B1D6E02 01A-B1A3D07 RD2 A-B1D6E04 01A-B1A2D06 AG2 R-B1C6E02 01A-B1A3B09 AK2 R-B1B6E04 01A-B1A5B13 RN2 A-B1G6A04
 01A-B1A3D02 RB6 R-B1F6B02 01A-B1A3B02 AE6 R-B1B6D02 01A-B1A2D13 AH6 A-B1E6B04 01A-B1A2B08 AL6 R-B1C6A04 01A-B1A3B13
 RA4 R-B1E6A02 01A-B1A3D09 RD4 R-B1A6D02 01A-B1F2D07 AG4 R-B1A6D04 01A-B1A3B04 AK4 R-B1F6C04 01A-B1A2B09
 01A-B1A3D03 AC2 R-B1F6C02 01A-B1A2D02 AF2 R-B1C6A02 01A-B1A2B02 AJ2 R-B1B6A04 01A-B1A3B10 HM2 R-B1C6B04
 RB6 R-B1E6C02 01A-B1A3D10 RD6 R-B1A6E02 01A-B1A2D09 AG6 R-B1E6D04 01A-B1A2B04 AK6 R-B1A2B10 01A-B1A2B10
 01A-B1E6D02 AC4 R-B1F6D02 01A-B1A2D03 AF4 R-B1C6B02 01A-B1A3B06 HJ4 R-B1B6B04 01A-B1A3B12 AM4 R-B1C6D04
 HB2 R-B1E6D02 01H-B1A3D11 AT2 R-B1A6B02 U1A-B1H2D10 AH2 R-B1F6A04 C1H-B1F2B05 HL2 R-B1E6C04 01H-B1A2B12
 01H-B1A3D06 KC6 R-B1G6A02 01A-B1A2D05 AP6 R-B1C6C02 01A-B1A3B08 HJ6 R-B1I6C04 01A-B1A3B05 AM6 R-B1C6E04
 RA4 R-B1E6E02 01A-B1A3D13 RE4 R-B1E6C02 01A-B1A2D11 RH4 R-B1F6B04 01A-B1A2B06 RL4 R-B1N6E04 01A-B1A2B13

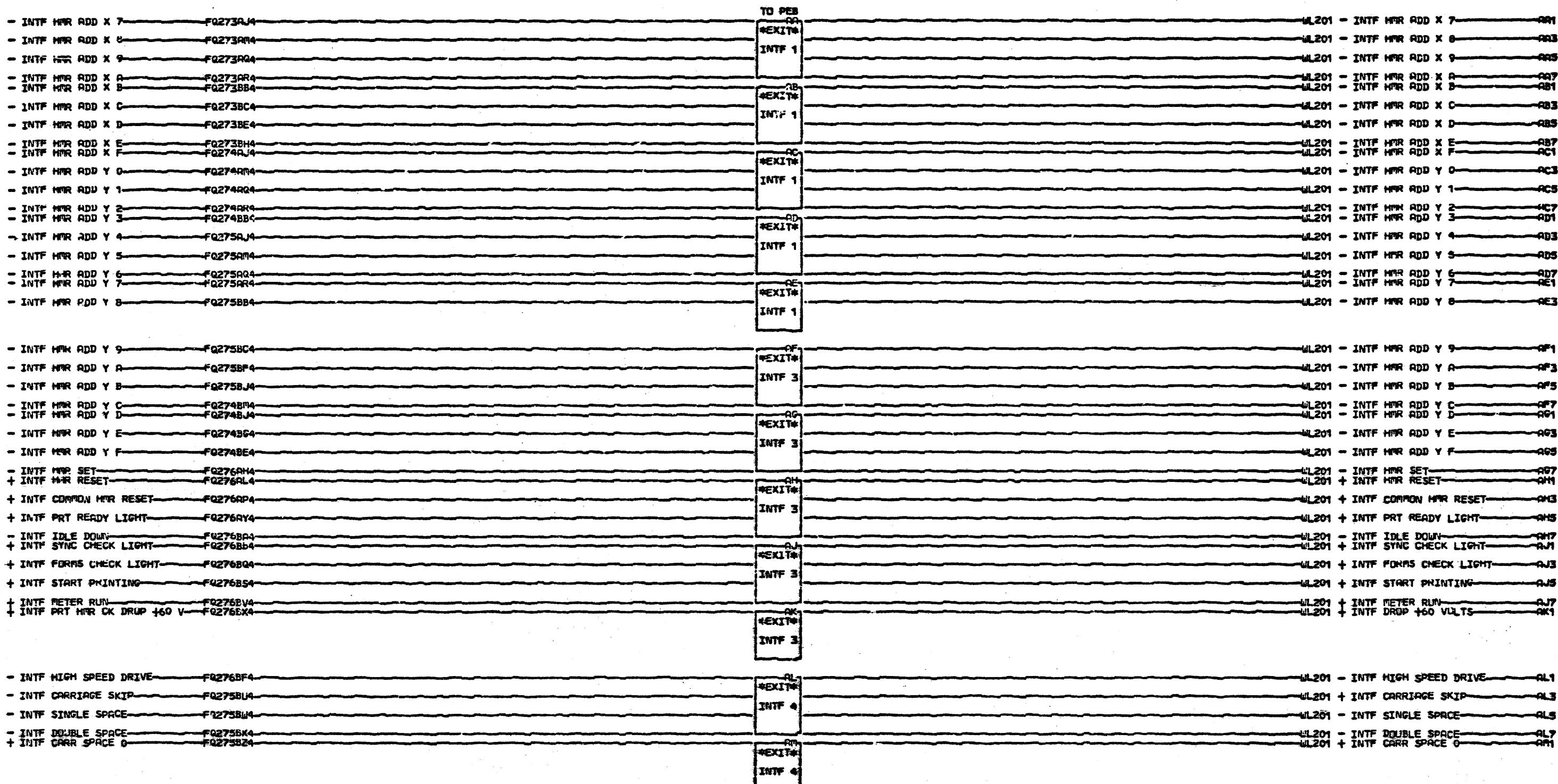
THIS DOCUMENT IS IBM CONFIDENTIAL
 UNTIL ANNOUNCEMENT DECLASSIFY
 THEREAFTER.

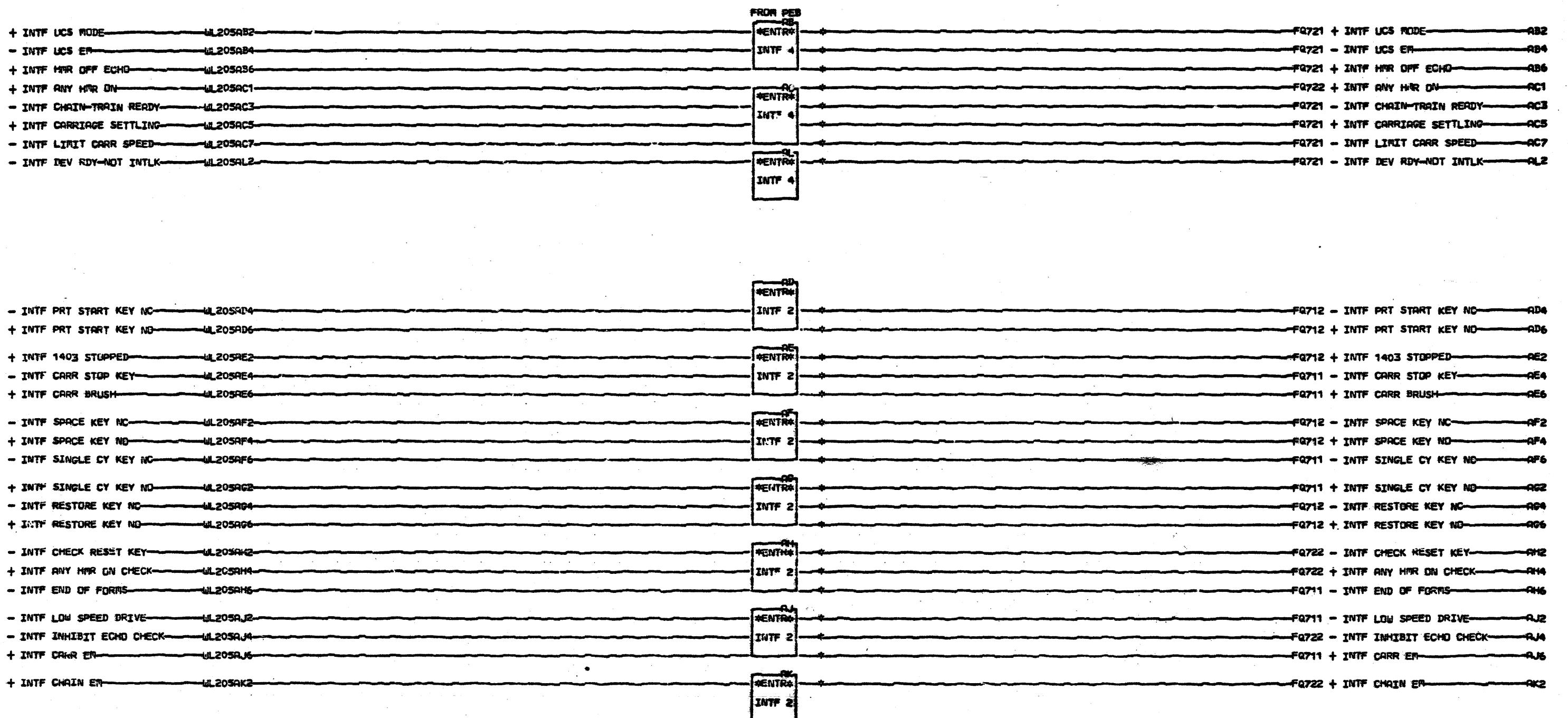
INTERFACE ENTRY PAGE 001	
CHANNEL TO 1403 ATTACHMENT	
E-C HISTORY	C MACH-1403SM15
FRAME	01 1
IBM CORP. GSD	000
DATE LAST EC	06-01-73 821457
P.N. 5555821	000

+ CHAN DBI BIT P	FQ845AS2	#EXIT#	WB101 + LP CHAN 1 DATA BUS IN P	AB2
+ CHAN DBI BIT 0	FQ843AA2		WB101 + LP CHAN 1 DATA BUS IN 0	AB4
+ CHAN DBI BIT 1	FQ843AB2		WB101 + LP CHAN 1 DATA BUS IN 1	AB6
+ CHAN DBI BIT 2	FQ843AC2	#EXIT#	WB101 + LP CHAN 1 DATA BUS IN 2	AB2
+ CHAN DBI BIT 3	FQ843AD2		WB101 + LP CHAN 1 DATA BUS IN 3	AB4
+ CHAN DBI BIT 4	FQ844AA2		WB101 + LP CHAN 1 DATA BUS IN 4	AB6
+ CHAN DBI BIT 5	FQ776AT6	#EXIT#	WB101 + LP CHAN 1 DATA BUS IN 5	AC2
+ CHAN DBI BIT 6	FQ844AC2		WB101 + LP CHAN 1 DATA BUS IN 6	AC4
+ CHAN DBI BIT 7	FQ844AD2		WB101 + LP CHAN 1 DATA BUS IN 7	AC6
TRANSLATE IN XTHRU	FQ931PC2	#EXIT#	WB103 + LP CHAN 1 TRANSLATE IN	AD2
TRANSLATE OUT XTHRU	FQ931PC4		WB103 + LP CHAN 1 TRANSLATE OUT	AD4
+ CHAN STORE DATA	FQ764AD2		WB103 + LP CHAN 1 STORE DATA	AD6
+ CHAN BLOCK SDR TO B	FQ764AC2	#EXIT#	WB105 + LP CHAN 1 BLOCK SDR	AE2
BINARY SUBTRACT XTHRU	FQ931PC6		WB105 + LP CHAN 1 BINARY SUBTRACT	AE4
INHIBIT LSR LOAD	FQ931CQ2		WB105 + LP CHAN 1 INHIBIT LSR LOAD	AE6
+ CHAN I-O ATTENTION	FQ773RM2	#EXIT#	WB105 + LP CHAN 1 I-O ATTENTION	AF2
CSR 3 XTHRU	FQ931CQ4		WB105 + LP CHAN 1 CSR 3	AF4
+ CHAN PRIOR REQ BIT 4	FQ762AU2		WB105 + LP CHAN 1 CSR 4	AF6
CSR 5 XTHRU	FQ931CQ6	#EXIT#	WB105 + LP CHAN 1 CSR 5	AG2
CSR 6 XTHRU	FQ931CR2		WB105 + LP CHAN 1 CSR 6	AG4
CSR 7 XTHRU	FQ931CR4		WB105 + LP CHAN 1 CSR 7	AG6
BURST REQUEST XTHRU	FQ931CR6	#EXIT#	WB103 + LP CHAN 1 BURST REQUEST	AH2
LSR SELECT 3 XTHRU	FQ931BD2		WB103 + LP CHAN 1 LSR SELECT 3	AH4
+ CHAN LSR BIT 4	FQ764AJ6		WB103 + LP CHAN 1 LSR SELECT 4	AH6
+ CHAN LSR BIT 5	FQ764AC6	#EXIT#	WB103 + LP CHAN 1 LSR SELECT 5	AJ2
+ CHAN LSR BIT 6	FQ764AH6		WB103 + LP CHAN 1 LSR SELECT 6	AJ4
LSR SELECT 7 XTHRU	FQ931BD4		WB103 + LP CHAN 1 LSR SELECT 7	AJ6
+ CHAN CHECK STOP	FQ831BL6	#EXIT#	WB107 + LP CHAN 1 I-O CHECK	AK2
+ CHAN I-O METER RUN	FQ775RL2		WB107 + LP CHAN 1 I-O METER RUN	AK4
+ CHAN I-O WORKING	FQ775AT2		WB107 + LP CHAN 1 I-O WORKING	AK6
+ CHAN I-O COND A	FQ773BR6	#EXIT#	WB107 + LP CHAN 1 I-O CONDITION A	AL2
+ CHAN I-O COND B	FQ773BS6		WB107 + LP CHAN 1 I-O CONDITION B	AL4
+ CHAN NOT RDY TO RDY PULSE	FQ778AM6		WB107 + LP CHAN 1 NR-RDY PULSE	AL6

LOC. TYPE

INTERFACE EXIT PAGE 001	
1403 ATTACHMENT TO CHANNEL	
E.C. HISTORY	C NACH.1403SM15
621457	FRAME 01
	1
	S
DATE 12-31-74	LAST EC 824895
IBM CORP. GSB	
IP.N. 5555822	





AB2 A-B1VSD06 AE2 A-B1V3805 AH2 A-B1V3D05
 AB4 A-B1VSD05 AE4 A-B1V3806 AH4 A-B1V3D06
 AB6 A-B1VSD07 AE6 A-B1V3808 AH6 A-B1V3D07
 AC1 A-B1VSD09 AE2 A-B1V3809 AJ2 A-B1V3D09
 AC3 A-B1VSD10 AE8 A-B1V3810 PJ4 A-B1V3D10
 AC5 A-B1VSD11 AE6 A-B1V3812 PJ6 A-B1V3D11
 AC7 A-B1VSD13 HZ2 A-B1V3813 HK2 A-B1V3D13
 HD4 A-B1V3802 RQ4 A-B1V4002 HL2 A-B1V3D13
 AB6 A-B1V3B04 AE6 A-B1V3D02

LOC. TYPE

THIS DOCUMENT IS IBM CONFIDENTIAL
 UNTIL ANNOUNCEMENT DECLASSIFY
 THEREAFTER.

PEB TO ATTACHMENT INTERFACE	
001 ENTER	
E-C. HISTORY	C MACH=1403SP15
FRAME	01
DATE 06-01-73 LRST EC	IBM CORP. GED
	000
	P.O. 5555824