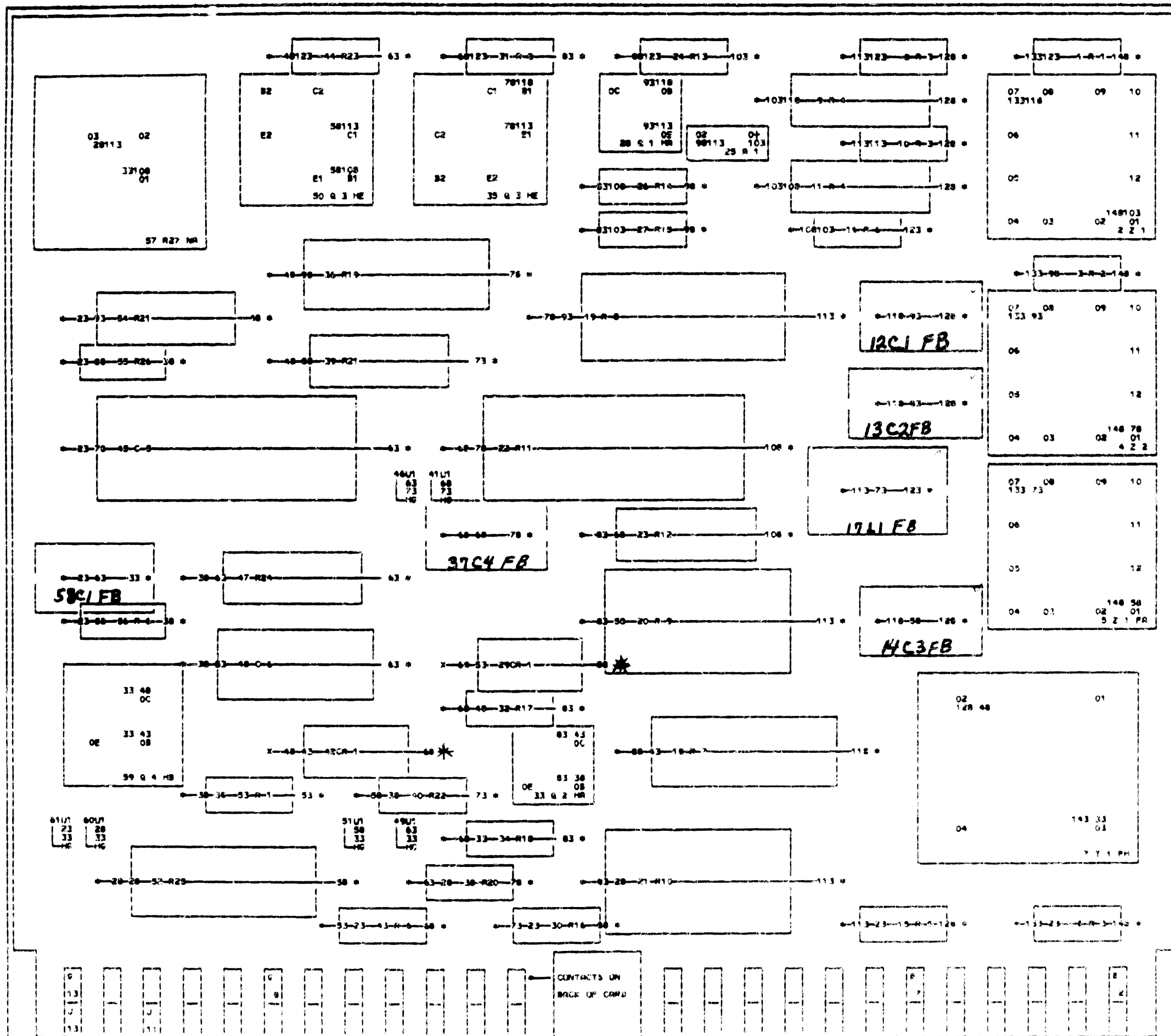




STANDARD CODE	2-7045	SHEET 2 OF 3	5804605
CIRCUIT APPROVAL	IE	06-04-64	STATUS
LOCATION	SAN JOSE		RESTRICTED
RAW CARD NUMBER	5819381	01	FILE PATTERN
FRONT ARTWORK	DATE	CHANGE NO.	DATE
5819381	10-18-64	161392	CHANGE NO.
BACK ARTWORK	-	-	
5819381	05-01-65	163400	B

PIN	VOLT.

CODE	PART NO	VALUE	QTY
R 1	216440	580.000	+25 + 5 2
R 2	216446	58.000K	+25 + 5 2
R 3	216447	12.100K	+25 + 5 3
R 4	479167	12.100K	+12 + 1 2
R 5	216445	1.000K	+25 + 5 1
R 6	216481	1.800K	+25 + 5 3
R 7	5052699	1.200K	+25 + 1 1
R 8	132807	430.000	1.000 + 5 1
R 9	5052697	1.2 K	+25 + 5 1
R10	5052698	2.0 K	+25 + 1 1
R11	481782	309.000K	+50 + 1 1
R12	479176	15.000K	+12 + 1 1
R13	216444	8.200K	+25 + 5 1
R14	216448	3.900K	+25 + 5 1
R15	216446	10.000K	+25 + 5 1
R16	216442	3.800K	+25 + 5 1
R17	216409	82.000K	+25 + 5 1
R18	595139	100.000	+25 + 5 1
R19	5052703	60. K	+1 + 1 1
R20	216474	18.000K	+25 + 5 1
R21	479223	49.900K	+12 + 1 2
R22	492476	62.000K	+25 + 5 1
R23	216455	2.700K	+25 + 5 1
R24	479207	34.000K	+12 + 1 1
R25	5052718	80.000K	+10 + 1 1
R26	216472	15.000K	+25 + 5 1
R27	5052731	20.000K	+75 + 5 2
C 1	5052710	100. P	+1 + 1 2
C 2	5052711	180. P	+1 + 1 1
C 3	5052709	75. P	+1 + 1 1
C 4	5052712	750. P	+1 + 1 1
C 5	492504	68. N	+1 + 1 1
C 6	217079	2.2 N	+1 + 1 1
CR 1	369388	DL	+1 + 1 2
Q 1	369126	098 NPN	+1 + 1 1
Q 2	369486	178 NPN	+1 + 1 1
Q 3	2414880	256 NPN	+25 + 5 2
Q 4	369113	047 PNP	+1 + 1 1
L 1	5052708	300. U	+1 + 1 1
T 1	5052716	PULSE TRANSFORMER	+1 + 1 1
Z 1	361459	SLT MODULE	+1 + 1 2
Z 2	361457	SLT MODULE	+1 + 1 1
A 1	2414883	17C MODULE	+1 + 1 1
U 1	216258	PROGRAM CAP	+1 + 1 1
HA	811137		+1 + 1 2
HB	811394		+1 + 1 1
HE	811660		+1 + 1 2

NOTES:
 A-ALL CIRCUITS MUST CONFORM TO ENG. SPEC. SHOWN ON SHEET 1.
 B-ASSEMBLE TO ENGINEERING SPECIFICATION 890913.
 C-CARD HAS NOT BEEN DECOUPLED. 811800 IS NOT APPLICABLE.
 D-TECH LAB EVALUATION INCOMPLETE. PART SUBJECT TO WITHDRAWAL.
 E-ADDITIONAL USAGE TO BE AVOIDED.
 F-CARD REQUIRES 1.280 SPACING (FRONT SIDE).
 G-DUE TO COMPONENT HEIGHT OF .370 TO .460 THIS CARD MUST BE REMOVED PRIOR TO REMOVAL OF CARD ADJACENT TO COMPONENT SIDE.
 H-ASSEMBLE WITH PIN 811137 PTO-181 SPACER.
 I-ASSEMBLE WITH PIN 811394 PTO-2 SPACER.
 J-ASSEMBLE WITH PIN 811660 PTO-54 SPACER. TRANSISTOR TAB IS BETWEEN THE TWO COLLECTORS.
 K-BOARD ASSEMBLE CONTACT. REFERENCE PROGRAM USING P.N. 811924 AS REQUIRED.
 L-ADDITIONAL COATING TO BE APPLIED PER ENG. SPEC. 878805.
 M-CARD MUST NOT BE SUBJECTED TO ANY LIQUID.

INTERNATIONAL BUSINESS MACHINES CORP.

NAME: VOLTAGE TO FREQUENCY CONVERTER

DESIGN	DATE	TYPE	SCALE	FIGURE
DESIGN 108-25-64	07/1	TYPE	SCALE	FIGURE
DETAIL 108-25-64	07/1	SCALE	FIGURE	
CHECK 109-17-64	TH	DATE	FIGURE	105-03-65
APPROVED 109-17-64	SAS	DATE		