COMPONENT SIDE

TABULATION BLOCK

DASH NO.	DESCRIPTION	BILL OF MATERIAL	JUMPER
-00	BASIC	70-53507-01	A TO B
-25	LSI 2/25 ROM	70-53507-25	B TO C

ROM CONFIGURATION TABLE

ROM	IC	-00	-25			
-01	1	47186	85107			
-02	2	47192	85113			
-03	6	47187	85108			
-04	7	47193	85114			
-05	11	47188	85109			
-06	12	47194	85115			
-07	16	47189	85110			
-08	17	47195	85116			
-09	21	47266	85111			
-10	22	47198	85119			
-11	27	47268	85118			
-12	31	47267	85112			
-13	32	47289	85120			
-14	37	47196	85117			

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NOTES UNLESS SPECIFIED

7. LAST REF DESIGNATION USED IC50, P, C15, R=9
6. ALL CAPACITORS ARE .022 MF +80%-20%, 25 V.
5. BI-DIRECTIONAL SIGNAL DENOTED BY —X—
4. OUTPUT SIGNAL DENOTED BY —>—.
3. INPUT SIGNAL DENOTED BY —<—.
2. RESISTORS ARE IN OHMS ±5%, 1/4 W.
1. FOR DRAWING NO. SEE TABULATION BLOCK.

UNLESS OTHERWISE SPECIFIED

1. TOLERANCES
   .XX = .03   ANGULAR
   .XXX = .010   ±½°
2. BREAK ALL SHARP EDGES
   .010 APPROX.
3. ALL DIM. IN INCHES

NEXT ASSEMBLYS

Computer Automation

TITLE
LOGIC DIAGRAM -
PROCESSOR HALF CARD

SIZE	DWG. NO.	REV
D	75-53507-XX	C19

DO NOT SCALE DRAWING   SCALE —   SHT. 1 OF 6

75-53507-XX

A		
A19	AD00	→	(38)
A20	AD03		(38)
A15	BBS		
A16	MAD08	←	(B.8)
A17	MAD04	←	(C24)
A18	MAD06	→	(A48)
A19	MAD07	→	(C18)
A20	MAD00	→	(B.8)
A21	GND	←	
A22	GND	←	
A23	MAD01	→	(B.5)
A24	MAD03	→	(B.8)
A25	IRTS	←	(C22)
A26	MSER	←	(74)
A27	MAD05		(C18)
A28	MSELR		(C41)
A29	MAD08		(C18)
A30	MAD12		(C18)
A31	MAD10		(C18)
A32	MAD14	→	(D18)
A33	+5V	←	
A34	+5V	←	
A35	MAD16	→	(D18)
A36	ICS00	→	(C37)
A37	MAD17	→	(D18)
A38	RESERVED		
A39	PAGE00	→	(C31)
A40	PAGE01	→	(B31)
A41	SPARE		
A42	SPARE		
A43	CSC2	→	(D49)
A44	SPARE		
A45	SPARE		
A46	GND	←	
A47	GND	←	
A48	BSC4	←	(B48)
A49	SPARE		
A50	CTC	←	(C43)
A51	SPARE		
A52			
A53			
A54			
A55	SPARE		
A56	+5V	←	
A57	+5V	←	
A58	MSEP	←	(B46)
A59	INTRK	→	(B46)
A60	INTP	←	(A45)
A61	BSC3	←	(B48)
A62	CLKEN	←	(C48)
A63	SPARE		
A64	GND	←	
A65	GND		

B		
B14	AD03	→	(D29)
B15	AD00	→	(D29)
B16	RESERVED		
B17	INT00	←	(B42)
B18	PPCS	←	(C24)
B19	CSC	→	(D45)
B20	WRE	→	(C42)
B21	GND	←	
B22	GND	←	
B23	RESERVED		
B24	MAD04	→	(C18)
B25	INK1	←	(B43)
B26	BPSC2	←	(C22)
B27	BCLK1	→	(A45)
B28	10MHZ	→	(C43)
B29	PPCS3	←	(B24)
B30	MAD11	→	(C18)
B31	MAD13	→	(D18)
B32	MAD15	→	(D18)
B33	+5V	←	
B34	+5V	←	
B35	RESERVED		
B36	GO	→	(C34)
B37	IQ	→	(B48)
B38	RESERVED		
B39	SPARE		
B40	RESERVED		
B41	RESERVED		
B42	IQS01	→	(C37)
B43	PO3	→	(A45)
B44	SPARE		
B45	SPARE		
B46	GND	←	
B47	GND	←	
B48	PAUSE	←	(C45)
B49	RESERVED		
B50	RESERVED		
B51	RESERVED		
B52	PSC	→	(B45)
B53	RESERVED		
B54	PSYP	→	(B34)
B55	IO	→	(C37)
B56	+5V	←	
B57	+5V	←	
B58	CJ	→	(B44)
B59	INTRJ	→	(B34)
B60	PO1	→	(C47)
B61	IOMHZ	→	(C41)
B62	PO2	→	(A45)
B63	ENCP	←	(C46)
B64	GND	←	
B65	GND	←	

2			(B23)
13			(B38)
14			(B35)
15	FWL		(B45)
16	LNK02		(B38)
17	WRSC1	←	(C25)
18	PREL		(C24)
19	INT01		(D37)
20	WRSC0		(C25)
21	MRSC1		(C25)
22	PSC3	→	(D41)
23	GND	→	
24	INRET	←	(B35)
25	RD/WO	→	(A37)
26	RMA01		(B38)
27	WPSC0		(C25)
28	SIF		(E28)
29	PREL		(B28)
30	TTM00		(D37)
31	TTM01		(D37)
32	TTM02		(D37)
33	LNK00		(D25)
34	MSEL		(C28)
35	FW		(D25)
36	RMMN	→	(D34)
37	TSTR	←	(A21)
38	IPCLR	→	(B41)
39	PCS00	→	(B37)
40	PCS03	→	(C37)
41	RMACN	←	(A22)
42	PCS01	→	(B37)
43	BCLK	→	(C46)
44	PCS02	→	(B37)
45	DFZER	←	(D22)
46	ALCN	→	(C28)
47	IOCLI	→	(A44)
48	RPST	←	(B29)
49	IF	←	(B48)
50	GND	→	

8	SPARE		
9	SPARE		
14	EXEN	→	(B31)
15	SPARE		
16			
17			
18	SPARE		
A	ROM00	→	(B34)
B	TSTR0	→	(B34)
C	RSM03	→	(C34)
D	SPARE		
E	RMA00	→	(A37)
F	SPARE		
H	SPARE		
J	SPARE		
K	TRDM3	←	(B34)
L	CSC4	→	(D42)
M	SPARE		
N	SPARE		
P	SPARE		
R	CARRY	→	(B42)
S	SHORT	→	(B35)
T	STOFF	→	(C41)
U	SPARE		
V	SPARE		

RP5
+5V 1
(C25)	WRSC02	2
(C29)	STF	3
(B28)	PREL	4
(D38)	TTM00	5
(D39)	TTM01	6
(D38)	TTM02	7
(D25)	LNK00	8
(C28)	MSEL	9
(D25)	FW	10

RP6
+5V 1
	MHMN	2	(D35)
	PCS00	3	(B32)
	PCS03	4	(C38)
	PCS01	5	(B32)
	PCS02	6	(B38)
	ALCN	7	(C28)
	N/C	8
	N/C	9
	N/C	10

RP7
+5V 1
(B38)	RMA02	2
(B38)	RMA00	3
(C35)	RSM01	4
(C35)	RSM02	5
(C35)	N/C	6
(B34)	TRDM2	7
(B34)	ROM06	8
(B35)	RSM05	9
(A35)	RSMA10	10

RP8
+5V 1
	TRDM1	2
	TRDM3	3	(B37)
	RDM07	4	(B35)
	+5R1	5	(C24, B24)
	N/C	6
	+5R3	7	(B43)
	PAEN	8	(B31)
	+5R2	9	C41, C42, B44, C43)
	SHORT	10	(B35)

ALL RESISTORS PACKS ARE 1K, ±5%, 1/8W

SIZE D	75-53507-XX	REV C19

SCALE =   SHT. 2 OF

ROM MUX

ROM LATCH

SIZE		REV
D	75-53507-XX	C19
SCALE=	SHT. 3 OF	

ROM PAGE CONTROL

ROMS

ROM-03 6

ROM-09 16

ROM-05 11

ROM-12 31

MAD07
MAD06
MAD05
MAD04
MAD03
MAD02
MAD01
MAD00
PAG00
PAG01

SIZE D 75-53507-XX REV C19

SCALE =   SHT. 4 OF

ROMS

ROM-04 7
ROM-08 17
ROM-13 32
ROM-11 27
ROM-06 12
ROM-14 37

A7 A6 A5 A4 A3 A2 A1 A0
M2 M1
OUT-3 OUT-2 OUT-1 OUT-0

P1

RMBB1 A5
ICSC1 B42
IQ500 A36
PCS03 40
PCS02 44
PCS01 42
PCS00 39

J1
LNK02 16
J2
C9   TRGM1 (A38,B35,B9)

RMA02
GRMA2 (B23,C23,D23)
(B21,C21,D21)
33 74500

RMA02 05
RMA00 E

RMA00
(B37) TRGM1 GRMA0 (B23,C23,D23)
33 74500 (B21,C21,D21)

RTU3 C
R2M02 03
R2M01 C4
R2M00 25

74504 B36
RVSP B54

GSHRT (A20,D11)
SHRT
INHET 33 74500
24 40 GSHRT (B48,D46)
74504

INTFJ B59
(B46,D9)

TRGM3 (B9)
R2M07
38 GRGM7 (D20)
74500

TRGM1
(B37)
R2M06
38 GRGM6 (D20)
74500
(B10)

R2M05 A

R2M04 01

TRGM2 (B10)

MAD17
MAD16
MAD15
MAD14
MAD13
MAD12
MAD11
MAD10
FAS00
FAS01

SIZE D 75-53507-XX REV C19

SCALE SHT. 5 OF 6

DRAWING NO 75-53507-XX

PHASE CLOCK

WATCH DOG TIMER AND DELAY

TIMING DECODE

BUS CLOCKS

SIZE D	75-53507-XX	REV C13
SCALE=		SHT. 6 OF 6