



NOTES:

1. ~~10.4 REF~~ SPLIT LOGS  
 A: ~~10.4 REF~~ MACHINE INSERTED JUMPER  
 B: 40 PIN HEADER CONNECTION

DATA II ~~10.4 REF~~ OMNIBUS CONNECTION

2. PIN 15 EIA TRANSMITTED DATA:  
 +6V OR MORE = SPACE = 0  
 -6V OR LESS = MARK = 1  
 PIN 15 IS EIA REQUEST TO SEND, +6V OR MORE = ON (PERMANENTLY),  
 PIN 15 IS EIA DATA RECEIVING READY, +6V OR MORE = ON (PERMANENTLY).

3. THIS DRAWING FOLLOWS DEC STANDARD 056 LOGIC SYMBOLOLOGY.  
 FLIP-FLOPS ARE NAMED FOR THE CONDITION THEY REPRESENT IN THE '1' STATE.  
 THE FOLLOWING FIGURES APPLY:

CLEAR: PRESET:

IF 'D' SHOWN THUS '1' STATE = Q STATE  
 IF 'D' SHOWN THUS '1' STATE =  $\bar{Q}$  STATE  
 IF '1' SHOWN THUS THIS LEAD IS HIGH WHEN FLIP-FLOP IS IN '1' STATE.  
 IF '1' SHOWN THUS THIS LEAD IS LOW WHEN FLIP-FLOP IS IN '1' STATE.

4. WAVEFORM AT TEST POINT #6 FOR RECEPTION OF 'A' (ASCII 30)

START 1 2 3 4 5 STOP STOP

5. UNLESS OTHERWISE NOTED:  
 RESISTORS = 1/4W 5%  
 CAPACITORS = .01M 100V 20%  
 DIODES = D664

2	R12, R25	RES. 1.5K 1/4W 5%	1300394	60
3	R12, R25	TUB THIN WALL 22 TEFLON (WHT)	9107265	49
1	R22	RES. 82 1/4W 5%	1301477	56
5	E1E2E3E29E30E44	I.C. DEC 5380	1910392	57
4	E2, E15, E33, E37	I.C. DEC 37401	1909373	58
9	E3, E4, E7, E8, E16, E20, E29, E38, E48	I.C. DEC 7474	1905547	55
3	E5, E15, E18	I.C. DEC 7493	1903054	54
6	E10, E26, E28, E31	I.C. DEC 8271	1909615	53
2	E9, E14	I.C. DEC 5314	1910391	52
8	E11, E45, E47	I.C. DEC 7402	1909004	51
3	E12, E41, E44	I.C. DEC 7400	1909375	50
1	E17	I.C. MC1489L EIA RECEIVER	1910323	49
1	E19	I.C. DEC 7410	1905576	48
2	E21, E42	I.C. DEC 7404	1909566	47
1	E22	I.C. DEC 74133	1910018	46
1	E24	I.C. DEC 8815	1909773	45
1	E25, E39	I.C. DEC 7450	1905580	44
1	E32	I.C. MC1489L EIA DRIVER	1910323	43
2	E34, E36	I.C. DEC 5384	1910394	42
2	E40, E43	I.C. DEC 8251	1909594	41
1	E35	I.C. DEC 74100	1909558	40
5	C1-C50, C62, C64	CAP. 0.1M 100V 20% DISC	1001010	39
6	C51-C56	CAP. 0.8M 35V TANT	1000067	38
2	C57, C61	CAP. 0.047M MICA DISC	1000968	37
1	C58	CAP. 33PF MICA	1000009	36
1	C59	CAP. 100PF MICA	1000016	35
1	C60	CAP. 68PF MICA	1000014	34
1	C63	CAP. 207M 35V DISC	1100048	33
2	C65, C67	CAP. 10M 100V 5% MICA	1000000	32
1	C66	CAP. 47M 35V TANT	1005965	31
1	D1	DIODE D662	1100113	30
14	D2-D15	DIODE D664	1100113	29
3	R1, R4, R20	RES. 220 1/4W 5%	1300271	28
1	R2	RES. 750 1/4W 5%	1301401	27
1	R3, R19	RES. 10K 1/4W 5%	1300419	26
2	R5, R18	RES. 3.3K 1/4W 5%	1300439	25
4	R6, R7, R13, R24	RES. 470 1/4W 5%	1300316	24
1	R8	RES. 150 1/4W 5%	1300250	23
3	R10, R15, R26	RES. 1K 1/4W 5%	1300369	22
2	R11, R16	RES. 750 1W 5%	1302385	21
1	R14	RES. 1.5K 1/4W 5%	1300397	20
1	R21	RES. 330 1/4W 5%	1300295	19
1	R23	RES. 30K 1/4W 5%	1302394	18
1	R29	RES. 180 1/4W 5%	1301322	17
1	R17	RES. 560 1/4W 5%	1300358	16
1	Q1	TRANSISTOR DEC 3000B	1303100	15
1	Q2, Q3	TRANSISTOR DEC 6834D	1503409	14
1	Q4	KFMR 8010	1609655	13
1	DL1	DELAY LINE 30 NANO SEC	1009538	12
1	Y1	CRYSTAL 19.661 MHE	1809880-08	11
10	1	LOGS, SPLIT	9006735	10
1	1	CONNECTOR 40 PIN	1200481	9
1/2	1/2	WIRE #22AVE SOLID BUS	9107560-01	8
4	4	SPACER (CABLE CLAMP)	1505704	7
4	4	SPACER (CABLE STIMPERSON)	9004760-01	6
4	4	HANDLE FLIP-CHIP MAGENTA	9008337-06	5
1	1	ETCHED CIRCUIT BOARD	5002546	4
1	1	MODULE HISTORY LIST	8M 188550-01	3
REF	REF	KEY DRILLING HOLE LAYOUT	1000154	2
REF	REF	KEY COORDINATE HOLE LOC.	1000154	1

59/B	22	J23-A, J23-B	
		J21-A, J21-B	
		J19-A, J19-B	
		J18-A, J18-B	
		J17-A, J17-B	
		J16-A, J16-B	
		J15-A, J15-B	
		J14-A, J14-B	
		J13-A, J13-B	
		J12-A, J12-B	
		J11-A, J11-B	
		J10-A, J10-B	
		J9-A, J9-B	
		J8-A, J8-B	
		J7-A, J7-B	
		J6-A, J6-B	
		J5-A, J5-B	
		J4-A, J4-B	
		J3-A, J3-B	
		J2-A, J2-B	
		J1-A, J1-B	

ETCH BOARD REV	D		
DEC 534D	MP6534		
DEC 3008B	2N3646		
D664	IN3606		
D662	IN645		
DEC NO.	EIA NO.	DEC NO.	EIA NO.
1	271	1	271
EQUIPMENT CORPORATION		ASYNCHRONOUS DATA CONTROL	

