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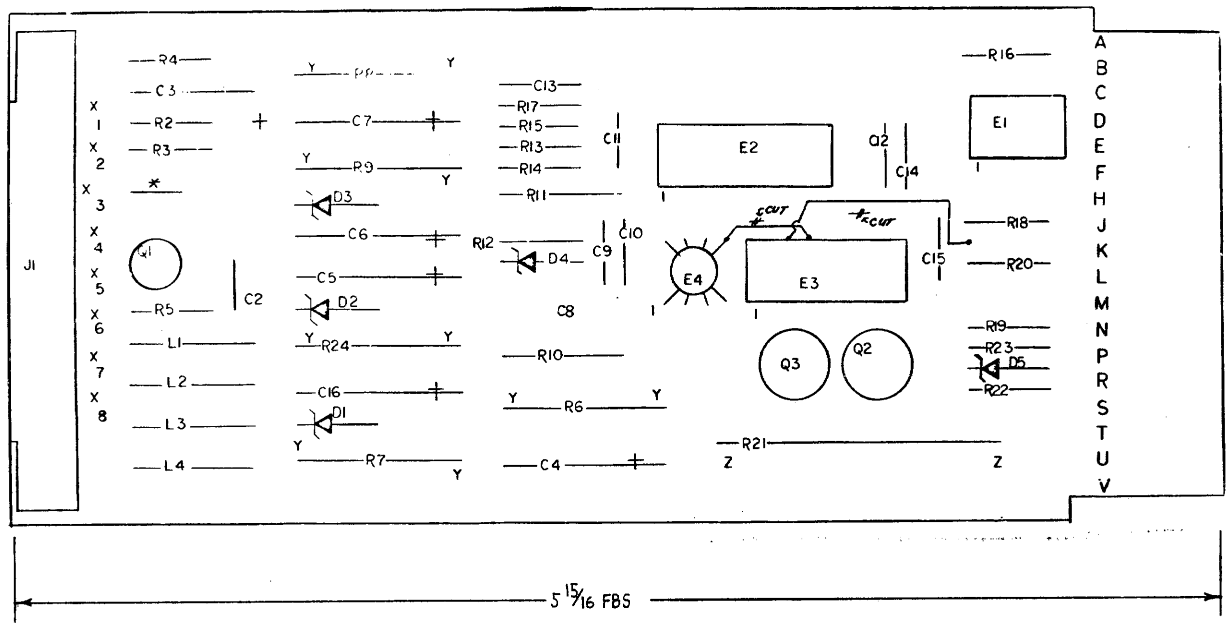
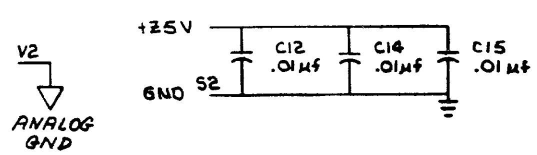
NOTES:

1. PLACE ITEM #40 (TERMINAL) ON ITEM #25 (RESISTOR) R21.
2. COMPONENT VALUE SELECTED AT MODULE TEST. VALUES IN THE RANGE OF 56K-120K MAY BE USED TO PRODUCE THRESHOLD VOLTAGE CLOSEST TO 370MV AT PIN 2 OF E4. POSSIBLE COMPONENTS ARE:

56K	1302395	100K	1302466
68K	1301327	120K	1300535
82K	1303219		





SEE NOTE 2-* (R14)

QTY	REF DESIGNATION	DESCRIPTION	PART NO.	ITEM NO.
1		INSULATED JUMPER (1/4")	9009185	41
2		SOLDER TERMINAL #2027-2 CAMBION	4008085	40
2		EYELET GS4-7 STIMPSON	9006732	39
8		PIN SOCKET #61320-1 (MATE N-LOCK)	1209456	38
1		CONN MATE N LOCK (8 [illegible]) #1-480451	1209340-00	37
1	E3	IC DEC 74H04	1909931	36
1	E1	IC 75453	1911036	35
1	E2	IC 9602	1910951	34
1	E4	IC LM306	1909675	33
4	L1, L2, L3, L4	CHOKE 2200 µH 10% 99 ma	1603421	32
1	Q1	TRANS DEC 6534B	1503409-01	31
1	Q3	TRANS 2N2904A	1501913	30
1	Q2	TRANS DEC 2219-3	1501881	29
1	R5	RES 180 5% 1/4 W	1301322	28
1	R14	RES 68K 5% 1/4 W	1301327	27
2	R10, R11	RES 10K 1% 1/8W MF	1302886	26
1	R21	RES 150 5% 5W WW	1301898	25
2	R3, R18	RES 2.2K, 5% 1/4W	1300417	24
2	R7, R8	RES 10, 5% 1 W	1300171	23
1	R22	RES 10 5% 1/4 W	1301317	22
4	R2, R13, R17, R23	RES 4.7K 5% 1/4 W	1300447	21
2	R4, R15	RES 1K 5% 1/4 W	1300365	20
1	R12	RES 470, 5% 1/4 W	1300316	19
1	R6	RES 100 5% 2W	1302380	18
2	R16, R20	RES 150 5% 1/4 W	1300250	17
2	R9, R24	RES 100 5% 1W	1300232	16
1	R19	RES 100 5% 1/4W	1300229	15
1	D4	DIODE 1N746A, 3.6V 5%, .40W	1104862	14
2	D1, D5	DIODE 1N4733A 5.1V, 5%, 1W.	1109943	13
2	D2, D3	DIODE 1N4744	1105648	12
5	C4, C5, C6, C7, C16	CAP 6.8UF, 10%, 35V TANT	1005306	11
1	C13	CAP .047UF, 20%, 250V MYLAR	1003053	10
1	C3	CAP 1.0UF, 10%, 35V TANT	1001776	9
5	C15, C12, C14, C10, C9	CAP .01UF, 20%, 50V	1001610-00	8
1	C11	CAP 47PF 5% .100V DM	1000011	7
1	C8,	CAP .02UF 20% .100V DISC	1000004	6
1	C2	CAP 100PF 5% .100V DM	1000016	5
1		ETCHED CIRCUIT BOARD	5010281	4
REF		MODULE ECO HISTORY	B-MH-G840-0-6	3
REF		ASSY/DRILLING HOLE LAYOUT	D-AH-G840-0-5	2
REF		X-Y COORDINATE HOLE LOCATION	K-CO-G840-0-4	1

PARTS LIST

FIRST USED ON OPTION MODEL: VT40

ETCH BOARD REV: C

IC 9602	8	16
IC 75453	4	8
IC TYPE	GND	+5V

GND AND 5V ARE USUALLY PIN 7 AND 14 RESPECTIVELY. EXCEPTIONS ARE STATED ABOVE

IC PIN LOCATIONS

DEC NO.	EIA NO.
DEC 6534B	SAME
2N2904A	SAME
DEC 2219-3	SAME
1N4733A	SAME
1N746A	SAME
1N4744	SAME

SEMICONDUCTOR CONVERSION CHART

REV	CHANGE NO.	ORIGINATED	CHK
C	G840-00001	H. Lavoie 1/14/74	
B	ORIGINATED	H. LAVOIE	DP 1-17-74

REVISIONS

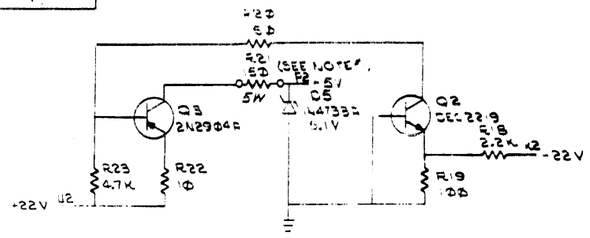
DRN. S. Chastain 11/3/72
CHKD [illegible]
ENG [illegible] 11-7-72
PROJ. ENG. [illegible] 11/3/72
[illegible] McCarthy 11/10/72
NEXT HIGHER ASSY
SCALE
SHEET 1 OF 2

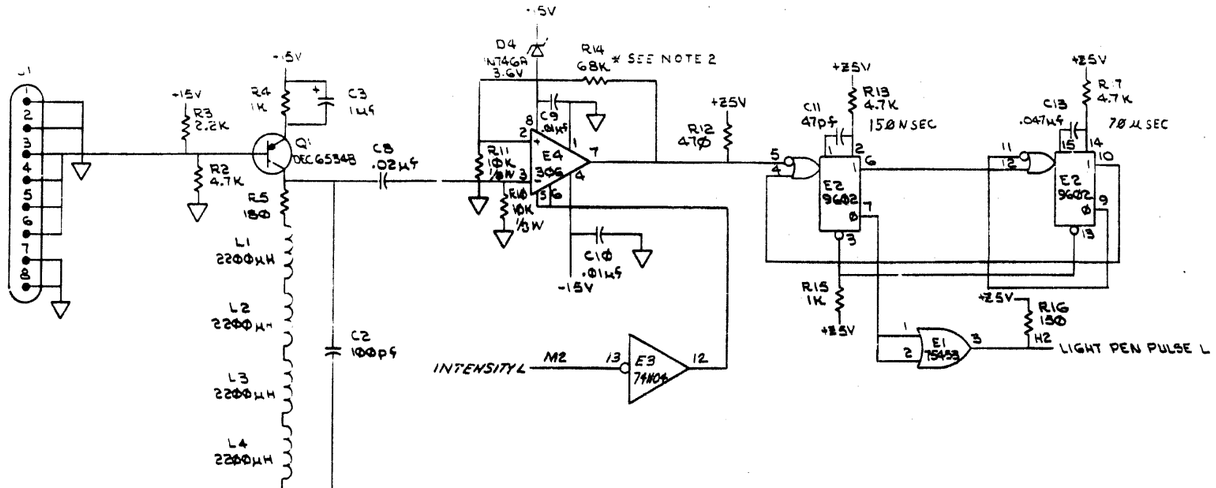
DIGITAL EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS

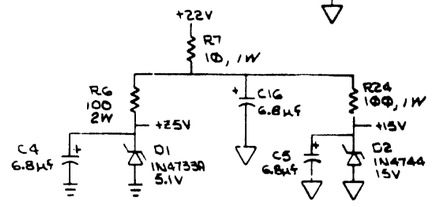
TITLE: VT 40 LIGHT PEN AMPLIFIER

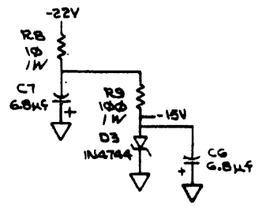
SIZE D CODE CS NUMBER G840-0-1 REV C

DIST.









FIRST USED ON OPTION/MODEL: VT40	QTY.	DESCRIPTION: PARTS LIST	PART NO.
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES TOLERANCES: DECIMALS XXX ± .005, XX ± .02, X ± .1; ANGLES ± 0° 30'; REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY ✓			
MATERIAL		NEXT HIGHER ASSY.	
FINISH		SCALE	
		SHEET 2 OF 2	

DRAWN [redacted] DATE 9-?-72
CHK'D. WANLY MOORE DATE 11-9-72
ENG. [redacted] DATE 11-?-72
PROJ. ENG. [redacted] DATE 11-?-72
PROD. [redacted] DATE 11-?-72

[redacted] EQUIPMENT CORPORATION
[redacted] MASSACHUSETTS

TITLE: VT40 LIGHT PEN AMPLIFIER

SIZE D | CAGE CODE CS | NUMBER G840-0-1 | REV. C

DIST.

REVISIONS: REV | CHANGE NO | CHK

DRAWING 40-522 19840

DEC FORM NO DRD 107-B