

11203

Char	Count	D5	D4	D3	D2	D1	D0
0	1	1	1	F8	F4	F2	F1
1	2	1	0	1	1	0	0 = '0'
2	3	1	0	1	Pol	Pol	1
3	4	1	1	_____	D1	_____	
4	5	1	1	_____	D2	_____	
5	6	1	1	_____	D3	_____	
6	7	1	1	_____	D4	_____	
7	8	1	1	_____	D5	_____	
8	9	1	1	_____	D6	_____	
9	10	1	1	_____	D7	_____	
10	11	1	1	_____	D8	_____	
11	12	1	1	_____	D9	_____	
12	13	1	0	1	ES	\overline{ES}	1
13	14	1	1	0x1	0	0	0
14	15	1	1	Exp8	Exp4	Exp2	Exp1
15	0	0	0	1	0	1	0 = LF

Notes:

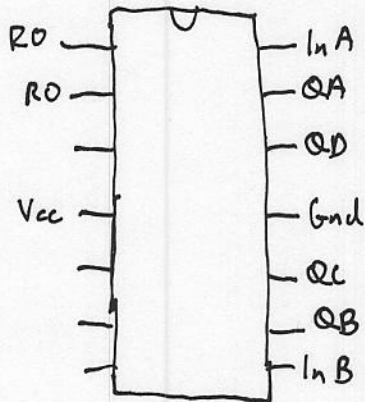
If Bit8, Bit4, Bit2 of a digit all=1, Digit sent as 101110 = '0'

Overflow \rightarrow Exponent = +8x

Polarity, Exponent sign: 101101 = - (Bit set)

101011 = + (Bit clear)

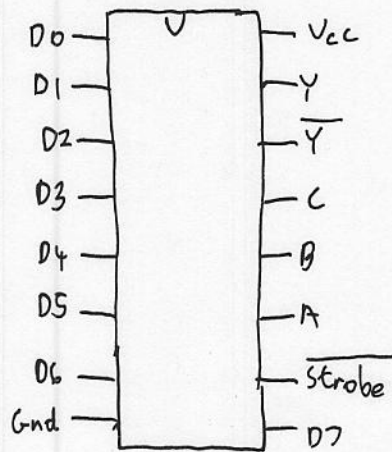
HP11203



74LS93

Notas '93, 'LS93

4 Bit Binary Counter



74LS12

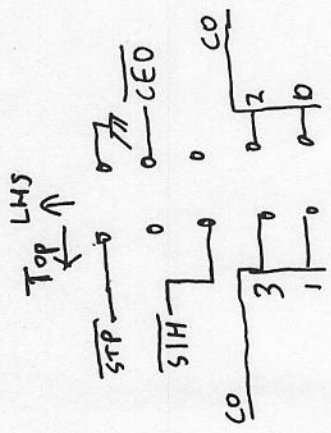
8 input Multiplexer

D_n = Data Inputs

Y, \bar{Y} = Outputs

A, B, C = Select Inputs

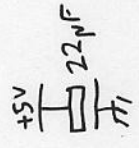
$\bar{\text{strobe}}$ = Overall Enable



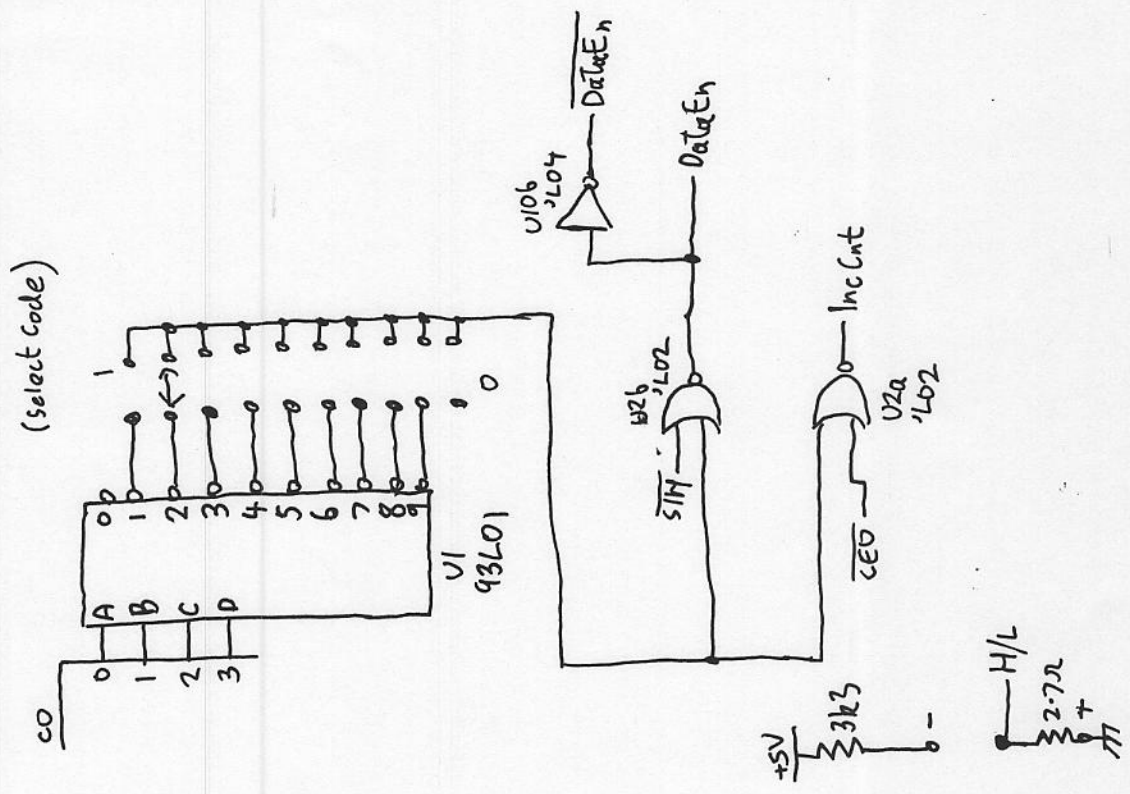
- Exp2 →
- Overload →
- +ve →
- ExpSign →
- ve →
- H/L →
- D1-1 →
- D2-1 →
- D3-1 →
- D4-1 →
- H/L →
- D1-2 →
- D2-2 →
- D3-2 →
- D4-2 →
- H/L →
- D1-4 →
- D2-4 →
- D3-4 →
- D4-4 →
- H/L →
- D1-8 →
- D2-8 →
- D3-8 →
- D4-8 →
- Ctrl2 →
- Ctrl1 →
- Flag →

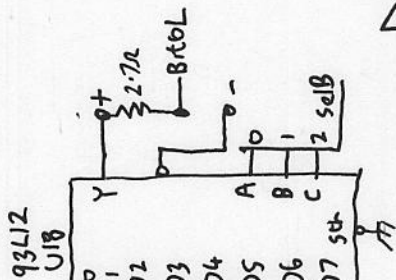
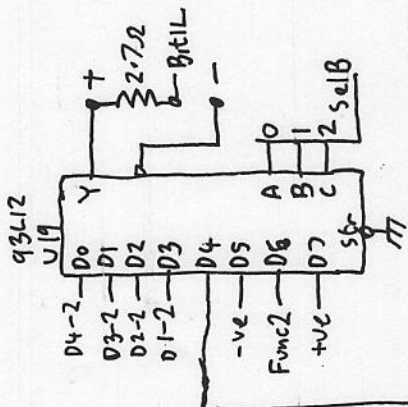
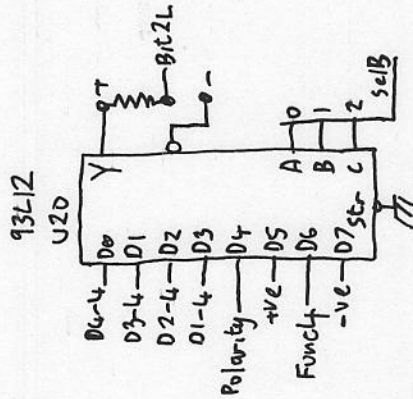
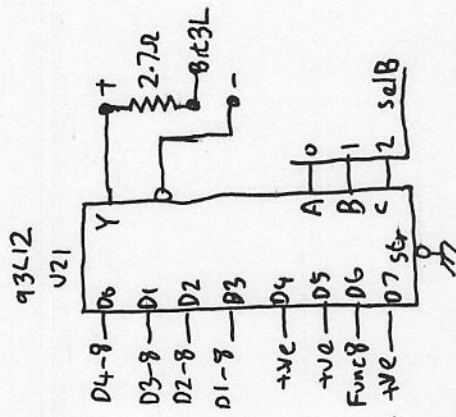
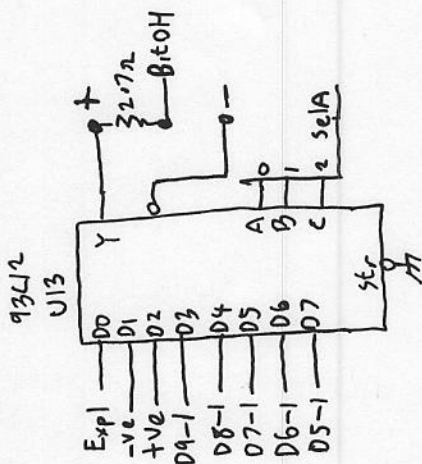
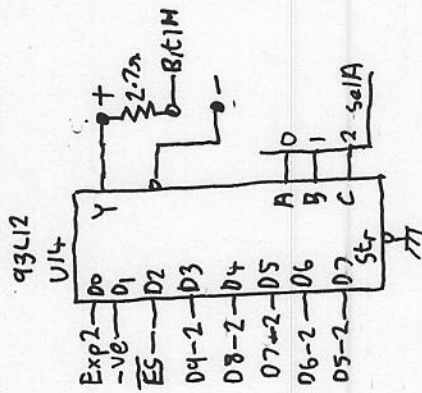
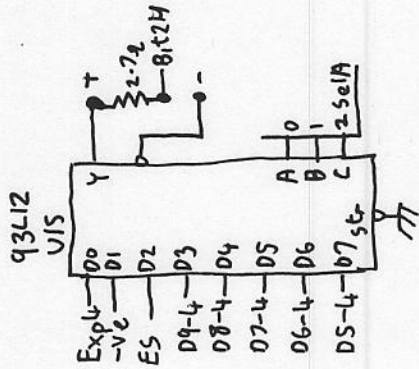
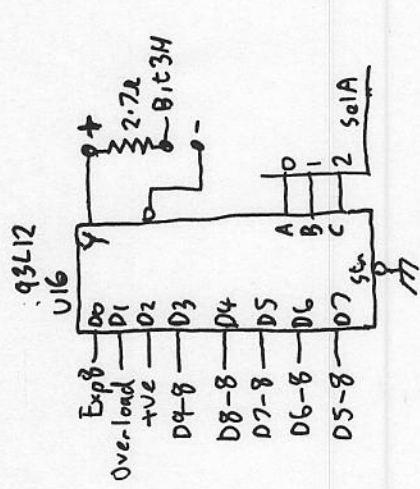
- Exp1 →
- D9-1 →
- D8-1 →
- D7-1 →
- D6-1 →
- D5-1 →
- Func1 →
- D6-2 →
- D7-2 →
- D8-2 →
- D9-2 →
- D5-2 →
- Func2 →
- D6-4 →
- D7-4 →
- D8-4 →
- D9-4 →
- Exp4 →
- Func4 →
- Polarity →
- D5-4 →
- Func8 →
- D6-8 →
- D7-8 →
- D8-8 →
- D9-8 →
- Exp8 →
- D5-8 →
- Flag →

(Input Cable)

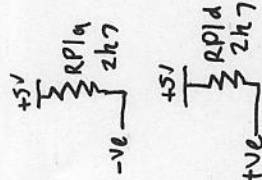
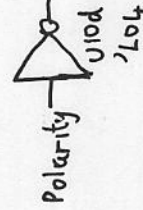


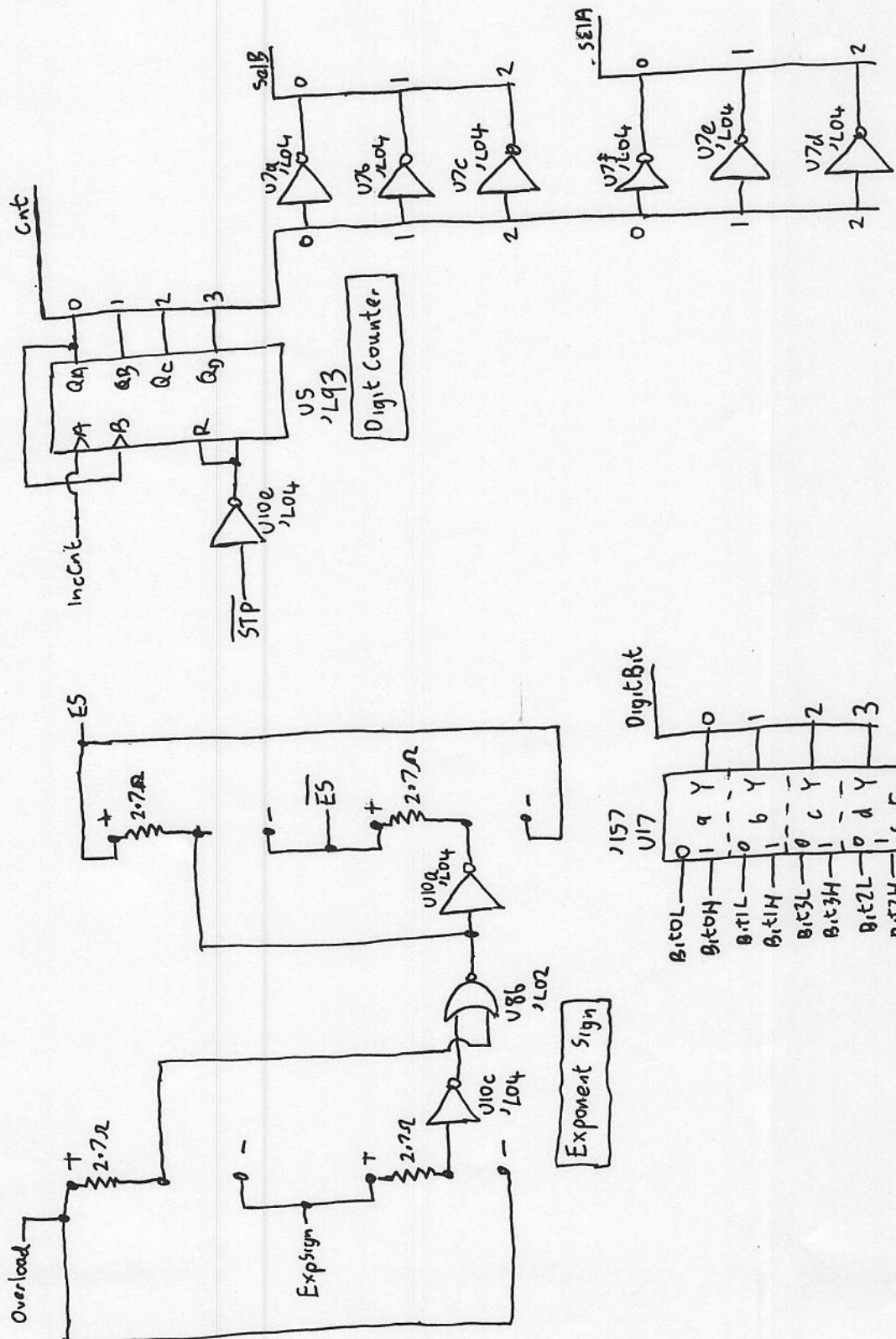
HP 9810
(I/O slot)

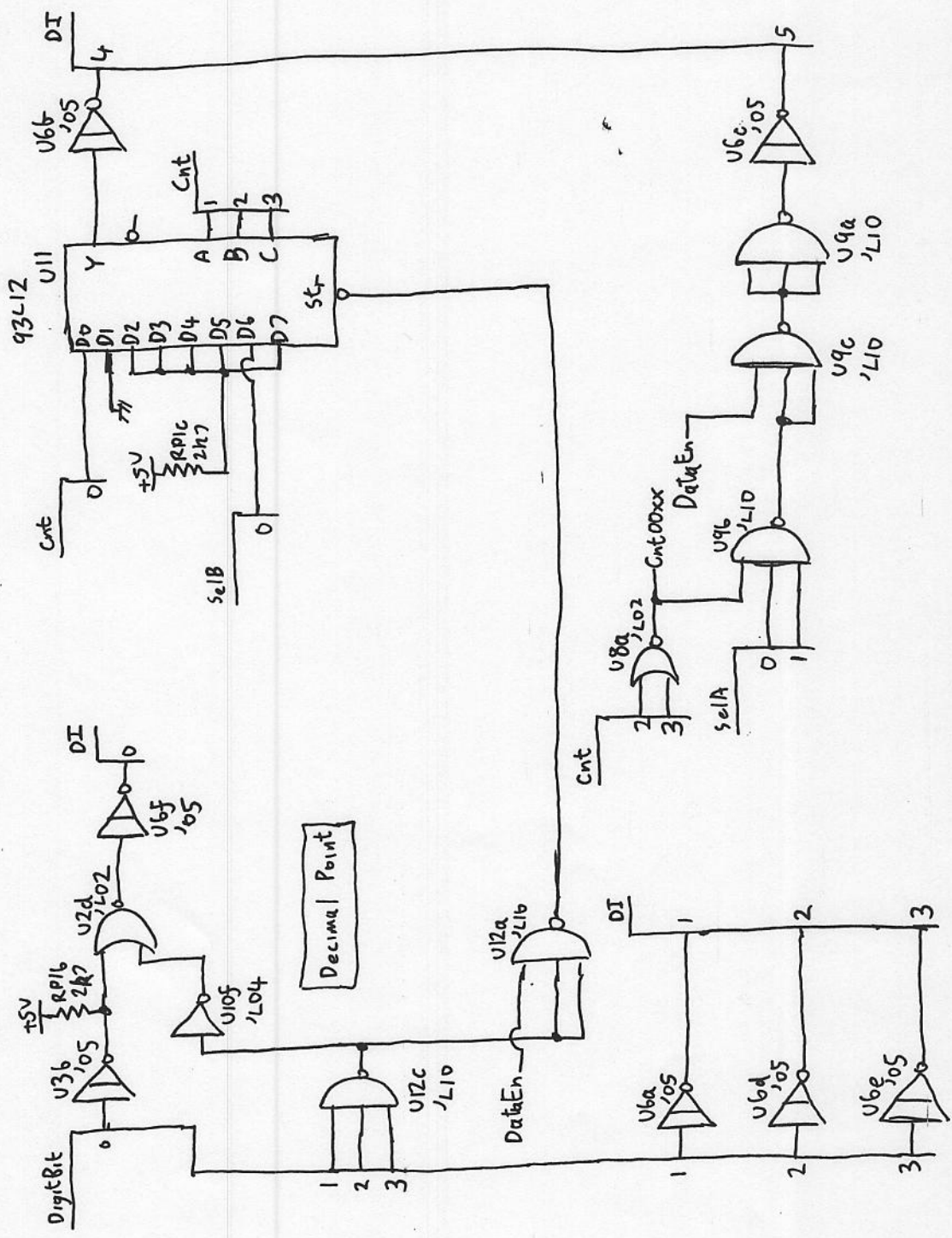




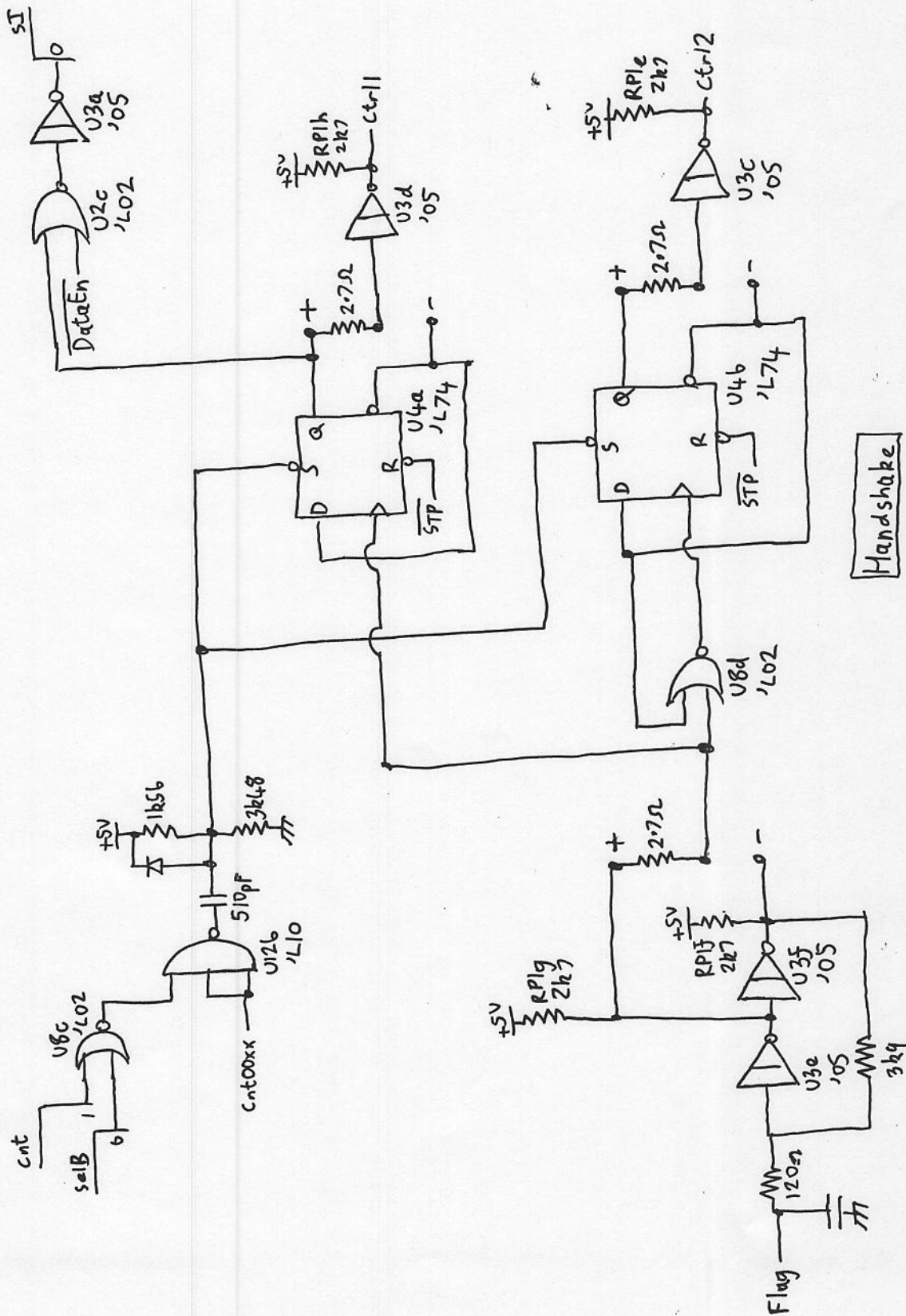
Digit Multiplexer





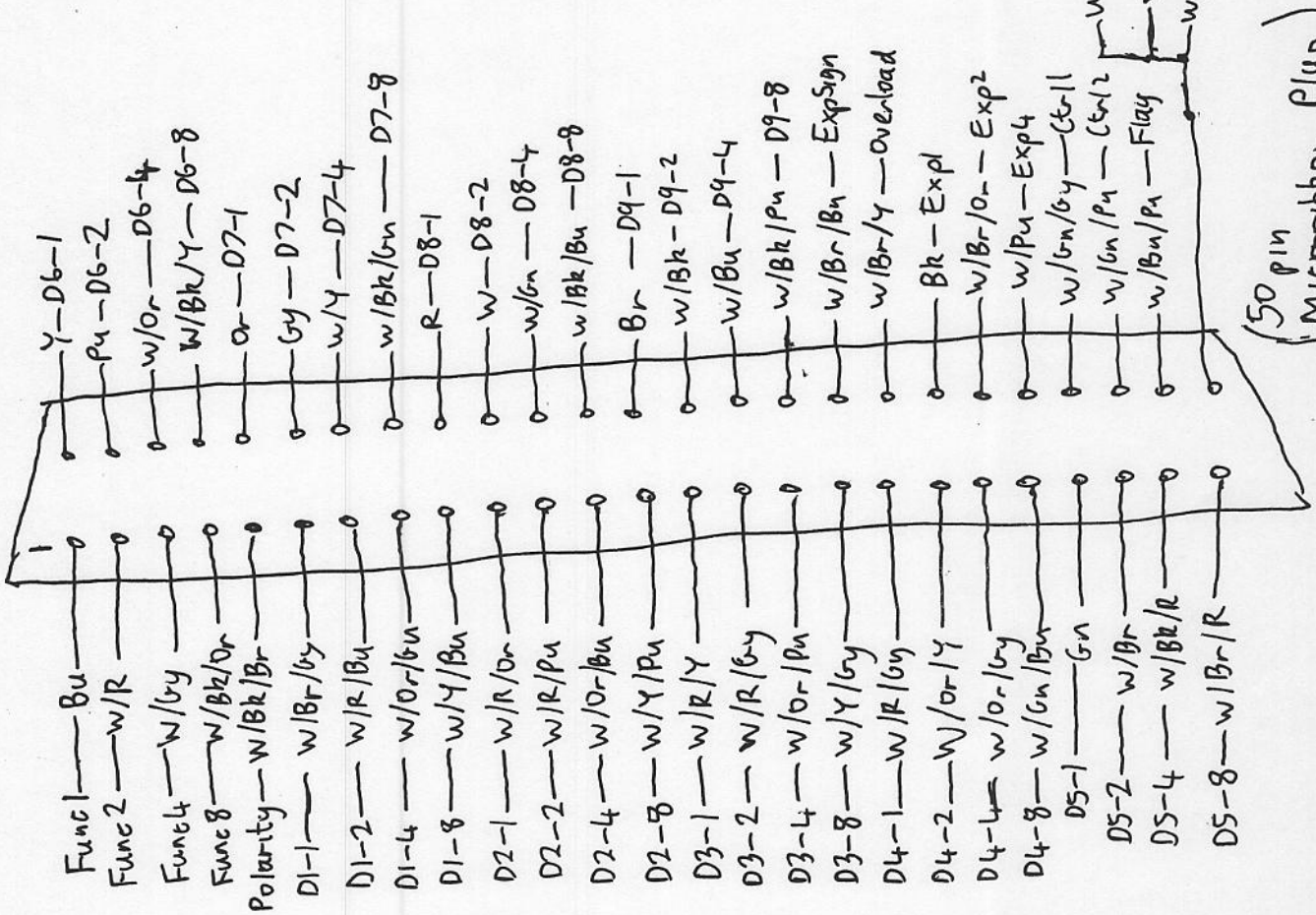


ASCII Encoder



LMS
→ Top

- Exp2 — w/Br/or — c
- Overload — w/Br/Y — c
- +ve — w/Br/Gn — c
- ExpSign — w/Br/Bu — c
- ve — w/Br/Pu — c
- D1-1 — w/Br/Gy — c
- D2-1 — w/R/or — c
- D3-1 — w/R/Y — c
- D4-1 — w/R/Gn — c
- D1-2 — w/R/Y — c
- D2-2 — w/R/Pu — c
- D3-2 — w/R/Gy — c
- D4-2 — w/or/Y — c
- D1-4 — w/or/Gn — c
- D2-4 — w/or/Bu — c
- D3-4 — w/or/Pu — c
- H/L — w/Y/Gn — c
- D1-8 — w/Y/Bu — c
- D2-8 — w/Y/Pu — c
- D3-8 — w/Y/Gy — c
- D4-8 — w/Gn/Bu — c
- ctr11 — w/Gn/Pu — c
- ctr12 — w/Gn/Gy — c
- Flag — w/Bu/Pu — c
- PH — w/Bu/Gy — c



(To 11203-66591 PCB) HP11203 Cable (As Supplied)

(50 pin Microribbon Plug)

445
 ↗ Top

Exp2 → w/Bk/Or → c
 Overload → w/Bk/Y → c
 2-R-D8-1 → c
 +ve → w/Bk/Gn → c
 ExpSign → w/Bk/Bl → c
 -ve → w/Bk/Ru → c
 2-Bu-Func1 → c
 2-Ru-D6-2 → c
 D1-1 → w/Bk/Gy → c
 D2-1 → w/R/Or → c
 D3-1 → w/R/Y → c
 D4-1 → w/R/Gn → c
 D1-2 → w/R/Bl → c
 D2-2 → w/R/Ru → c
 D3-2 → w/R/Gy → c
 D4-2 → w/Or/Y → c
 D1-4 → w/Or/Gn → c
 D2-4 → w/Or/Bl → c
 D3-4 → w/Or/Ru → c
 D4-4 → w/Or/Gy → c
 H/L → w/Y/Gn → c
 D1-8 → w/Y/Bl → c
 D2-8 → w/Y/Ru → c
 D3-8 → w/Y/Gy → c
 D4-8 → w/Gn/Bl → c
 Ct-12 → w/Gn/Ru → c
 Ct-11 → w/Gn/Gy → c
 Flag → w/Bl/Ru → c
 2 → w/Bl/Gy → c → Pin Shield

Large Key

ExpSign → A
 Polarity → Overload → D1-1 → D1-4 → D2-1 → D2-4 →
 D1-2 → D2-2 → D2-8 →
 D3-1 → D3-4 → D4-1 → D4-4 → D5-1 → D5-4 →
 D3-2 → D3-8 → D4-2 → D4-8 → D5-2 → D5-8 →
 D6-1 → D6-4 → D7-1 → D7-4 → D8-1 → D8-4 →
 D6-2 → D6-8 → D7-2 → D7-8 → D8-2 → D8-8 →

Exp1 → D9-1 → D9-4 → D9-8 → Exp2 → D9-2 → D9-8 →
 Exp4 → D9-4 → Exp8 → D9-8 →
 Func1 → D9-4 → Func2 → D9-8 →
 Func4 → D9-4 → Func8 → D9-8 →
 Flag → Ct-12 → H/L → -ve →

Small Key

Plug Wire side

(EDAC516-90 Plug)

(To 11203-66591 PCB)