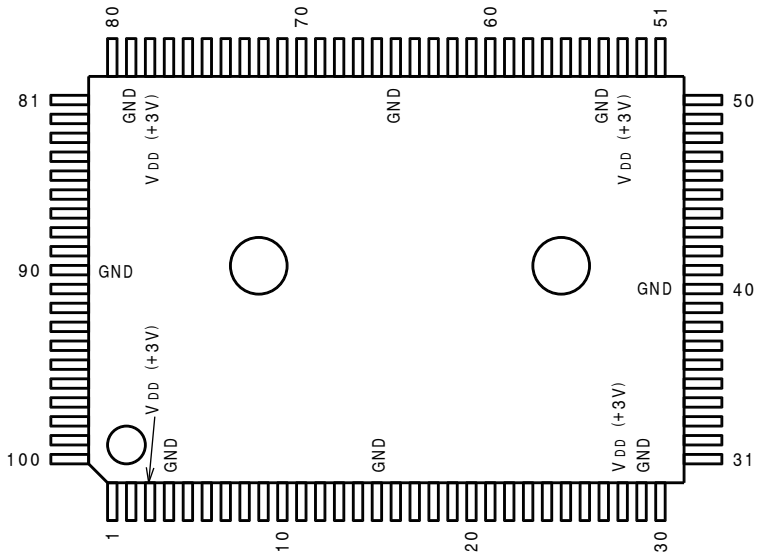
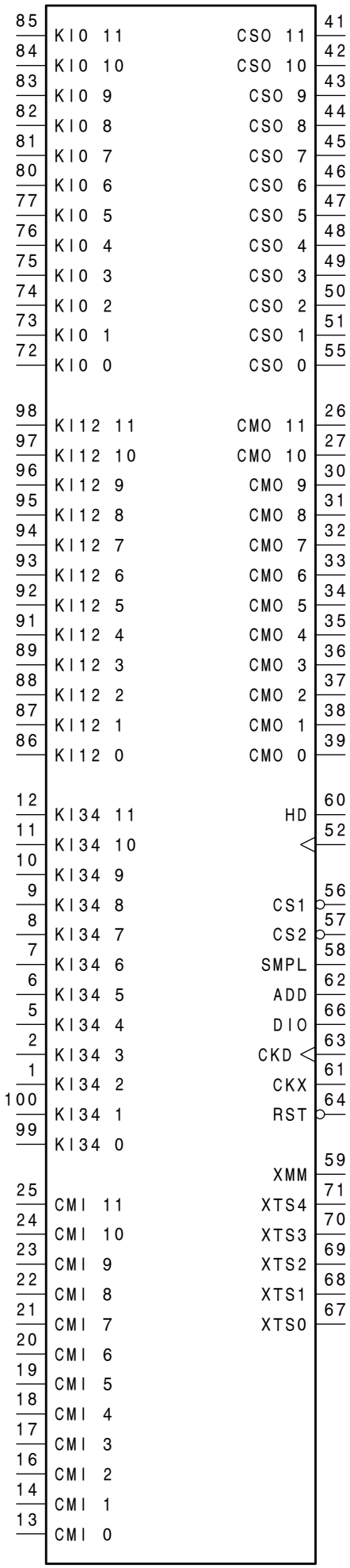
C-MOS FINE KEY PROCESSOR

-TOP VIEW-



(VDD=+3V)

PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL
1	I	KI3402	21	I/O	CMI7	41	O	CSO11	61	I	CKX	81	I	KI07
2	I	KI3403	22	I/O	CMI8	42	O	CSO10	62	I	ADD	82	I	KI08
3	–	VDD	23	I/O	CMI9	43	O	CSO9	63	I	CKD	83	I	KI09
4	–	GND	24	I/O	CMI10	44	O	CSO8	64	I	$\overline{RST}$	84	I	KI010
5	I	KI3404	25	I/O	CMI11	45	O	CSO7	65	–	GND	85	I	KI011
6	I	KI3405	26	O	CMO11	46	O	CSO6	66	I/O	DIO	86	I	KI120
7	I	KI3406	27	O	CMO10	47	O	CSO5	67	I	XTS0	87	I	KI121
8	I	KI3407	28	–	VDD	48	O	CSO4	68	I	XTS1	88	I	KI122
9	I	KI3408	29	–	GND	49	O	CSO3	69	I	XTS2	89	I	KI123
10	I	KI3409	30	O	CMO9	50	O	CSO2	70	I	XTS3	90	–	GND
11	I	KI3410	31	O	CMO8	51	O	CSO1	71	I	XTS4	91	I	KI124
12	I	KI3411	32	O	CMO7	52	I	CK	72	I	KI00	92	I	KI125
13	I/O	CMI0	33	O	CMO6	53	–	VDD	73	I	KI01	93	I	KI126
14	I/O	CMI1	34	O	CMO5	54	–	GND	74	I	KI02	94	I	KI127
15	–	GND	35	O	CMO4	55	O	CSO0	75	I	KI03	95	I	KI128
16	I/O	CMI2	36	O	CMO3	56	I	$\overline{CS1}$	76	I	KI04	96	I	KI129
17	I/O	CMI3	37	O	CMO2	57	I	$\overline{CS2}$	77	I	KI05	97	I	KI1210
18	I/O	CMI4	38	O	CMO1	58	I	XSMP	78	–	VDD	98	I	KI1211
19	I/O	CMI5	39	O	CMO0	59	I	XMM	79	–	GND	99	I	KI340
20	I/O	CMI6	40	–	GND	60	I	HD	80	I	KI06	100	I	KI341



INPUT

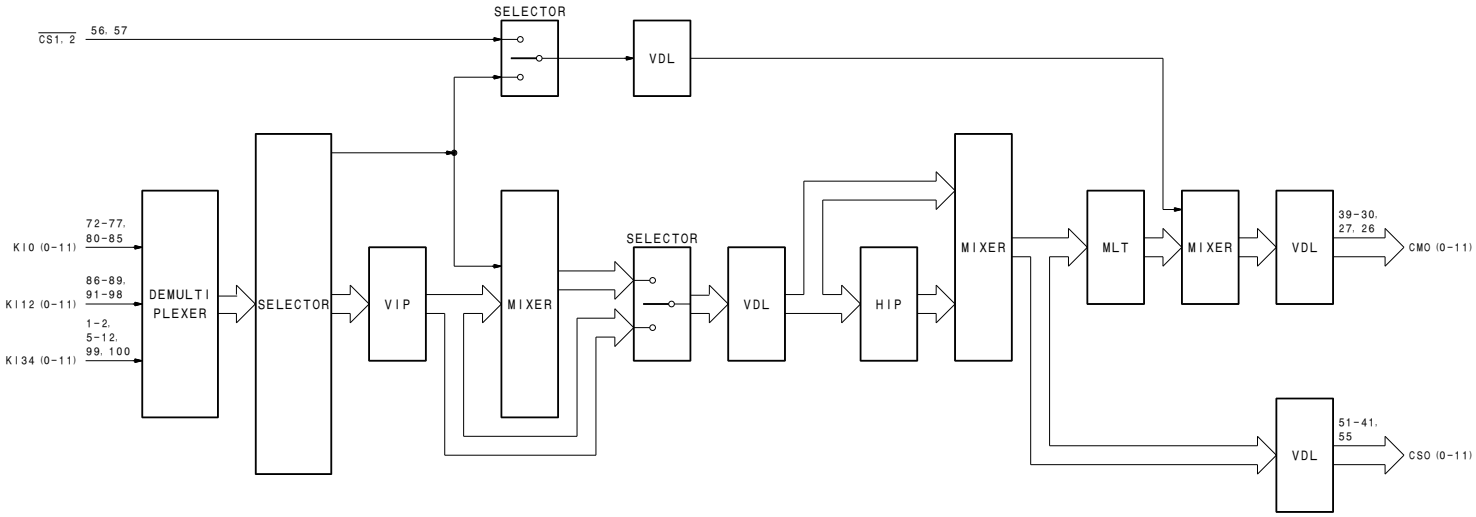
ADD	;ADDRESS FOR SERIAL CONTROL
CK	;MAIN CLOCK
CKD	;CLOCK FOR SERIAL CONTROL
CKX	;SWITCHING TIMING PULSE
$\overline{CS}$ 1, 2	;CHIP SELECT FOR SERIAL CONTROL
HD	;H DRIVE
KI0 (0-11)	;KEY SIGNAL (KEYZ/KEY0 MULTIPLEXED) *KEY0 - KEY SIGNAL (0 LINE DELAYED)
KI12 (0-11)	;KEY SIGNAL (KEY1/KEY2 MULTIPLEXED *KEY1 - KEY SIGNAL (1 LINE DELAYED) *KEY2 - KEY SIGNAL (2 LINE DELAYED)
KI34 (0-11)	;KEY SIGNAL (KEY3/KEY4 MULTIPLEXED) *KEY3 - KEY SIGNAL (3 LINE DELAYED) *KEY4 - KEY SIGNAL (4 LINE DELAYED)
$\overline{RST}$	;RESET FOR CHIP
SMPL	;SAMPLE PULSE
XMM	;TEST FOR MULTIPLIER CHECK
XTS (0-4)	;TEST MODE CONTROL

OUTPUT

CMO (0-11)	;COMBINER (MAIN OUTPUT)
CSO (0-11)	;CASCADE

INPUT/OUTPUT

CMI (0-11)	;COMBINER
DIO	;SERIAL CONTROL DATA


SELECTOR
CS1, 2
56, 57
VDL
KI0 (0-11)
72-77,
80-85
KI12 (0-11)
86-89,
91-98
KI34 (0-11)
1-2,
5-12,
99, 100
DEMULTI
PLEXER
SELECTOR
VIP
MIXER
SELECTOR
VDL
HIP
MIXER
MLT
MIXER
VDL
39-30,
27, 26
CMO (0-11)
VDL
51-41,
55
CSO (0-11)