

' MOTOROLA '

111

⋮

okminezdjw@sohu.com

motorola

LZC-

MC68HC08

flash

, LZC-

1

2

3

.24

4

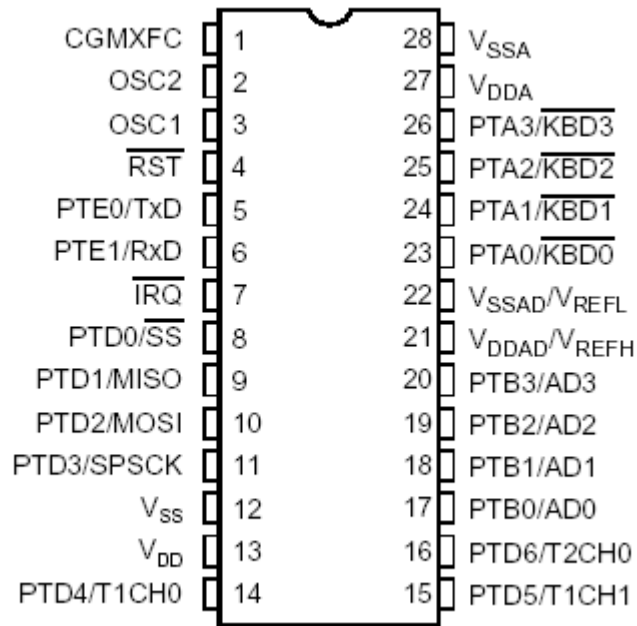
5

LZC-C

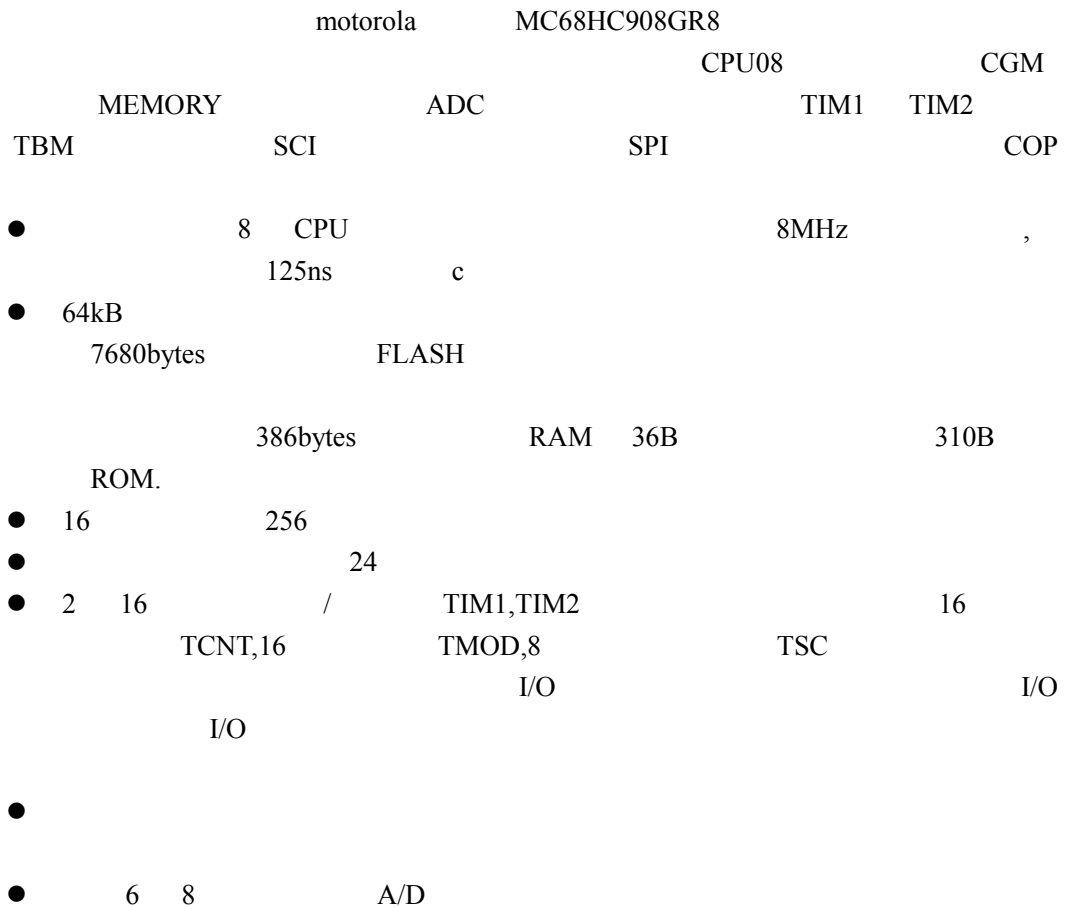
1

- 0~99
- 20~80
- 24h
- LED
- /
-
-
-

2 MC68HC908GR8



68HC08GR8



- KBI PPA0~PTA3 I/O
- 5 I/O 21 A D

Table 22 Port Control Register Bits Summary

Port	Bit	DDR	Module Control		Pin
A	0	DDRA0	KBD	KBIE0	PTA0/KBD0
	1	DDRA1		KBIE1	PTA1/KBD1
	2	DDRA2		KBIE2	PTA2/KBD2
	3	DDRA3		KBIE3	PTA3/KBD3
	-	--		-	-
	-	--		-	-
	-	--		-	-
	-	--		-	-
B	0	DDRB0	ADC	CH0	PTB0/ATD0
	1	DDRB1		CH1	PTB1/ATD1
	2	DDRB2		CH2	PTB2/ATD2
	3	DDRB3		CH3	PTB3/ATD3
	4	DDRB4		CH4	PTB4/ATD4
	5	DDRB5		CH5	PTB5/ATD5
	-	--		-	-
	-	--		-	-
C	0	DDRC0			PTC0
	1	DDRC1			PTC1
	-	--			-
	-	--			-
	-	--			-
	-	--			-
	-	--			-
D	0	DDRD0	SPI	PTD0/SS	
	1	DDRD1		PTD1/MISO	
	2	DDRD2		PTD2/MOSI	
	3	DDRD3		PTD3/SPSCK	
	4	DDRD4	TIM1	PTD4/T1CH0	
	5	DDRD5		PTD5/T1CH1	
	6	DDRD6	TIM2	PTD6/T2CH0	
	-	--		-	
E	0	DDRE0	SCI	PTE0/TxD	
	1	DDRE1		PTE1/RxD	

- COP Watchdog SPI LED

Table 1 . Vector Addresses

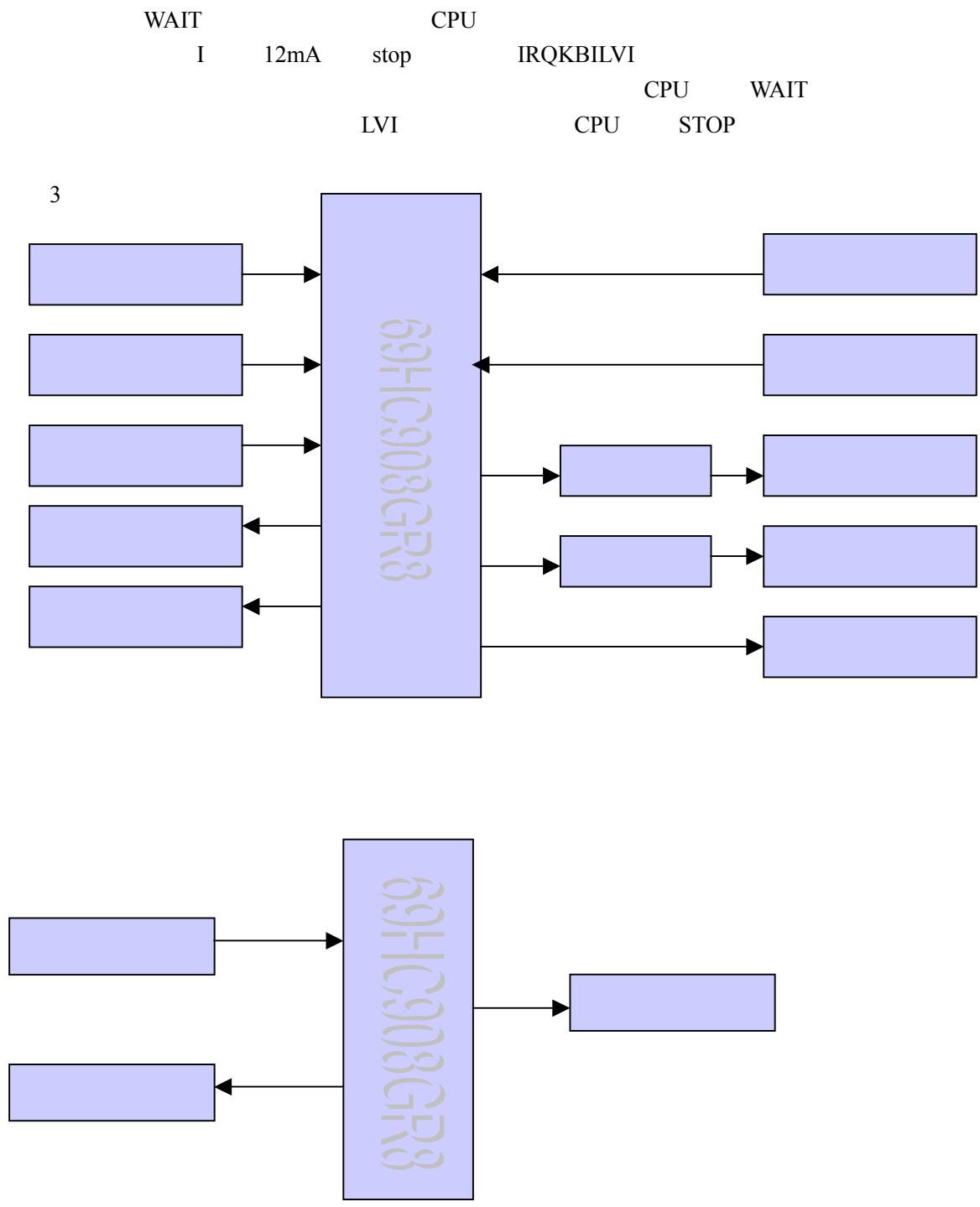
Vector Priority	Vector	Address	Vector
Lowest	IF16	\$FFDC	Timebase Vector (High)
		\$FFDD	Timebase Vector (Low)
	IF15	\$FFDE	ADC Conversion Complete Vector (High)
		\$FFDF	ADC Conversion Complete Vector (Low)
	IF14	\$FFE0	Keyboard Vector (High)
		\$FFE1	Keyboard Vector (Low)
	IF13	\$FFE2	SCI Transmit Vector (High)
		\$FFE3	SCI Transmit Vector (Low)
	IF12	\$FFE4	SCI Receive Vector (High)
		\$FFE5	SCI Receive Vector (Low)
	IF11	\$FFE6	SCI Error Vector (High)
		\$FFE7	SCI Error Vector (Low)
	IF10	\$FFE8	SPI Transmit Vector (High)
		\$FFE9	SPI Transmit Vector (Low)
	IF9	\$FFEA	SPI Receive Vector (High)
		\$FFEB	SPI Receive Vector (Low)
	IF8	\$FFEC	TIM2 Overflow Vector (High)
		\$FFED	TIM2 Overflow Vector (Low)
	IF7	\$FFEE	Reserved
		\$FFEF	Reserved
	IF6	\$FFF0	TIM2 Channel 0 Vector (High)
		\$FFF1	TIM2 Channel 0 Vector (Low)
	IF5	\$FFF2	TIM1 Overflow Vector (High)
		\$FFF3	TIM1 Overflow Vector (Low)
	IF4	\$FFF4	TIM1 Channel 1 Vector (High)
		\$FFF5	TIM1 Channel 1 Vector (Low)
	IF3	\$FFF6	TIM1 Channel 0 Vector (High)
		\$FFF7	TIM1 Channel 0 Vector (Low)
	IF2	\$FFF8	PLL Vector (High)
		\$FFF9	PLL Vector (Low)
	IF1	\$FFFA	IRQ Vector (High)
		\$FFFB	IRQ Vector (Low)
—	—	\$FFFC	SWI Vector (High)
		\$FFFD	SWI Vector (Low)
Highest	—	\$FFFE	Reset Vector (High)
		\$FFFF	Reset Vector (Low)



.CPU

WAIT

WAIT



3
1
2

68hc908gr8
MC7812T MC7805T
+5V +12V .OSC1,OSC2 8kHz

PTA2,PTA3

3

74LS164

LED

SPI

lcd

led

4

CPU,
()

A/D

PTB0

(K 100K)

PTB1

5

M54123L

CPU

CPU

CPU 10ms

M54123L

10mA

CPU CPU

6

7

stop
MC34064

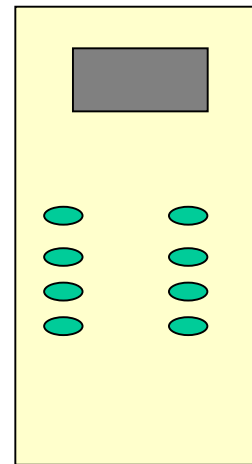
2*4

PTA0~PTA3
stop

keyboard

6MHZ
LCD (4543)

1 /
2
3
4
5
6
7
8



A/D

TBM

TIM

TBM

LCD

TBM

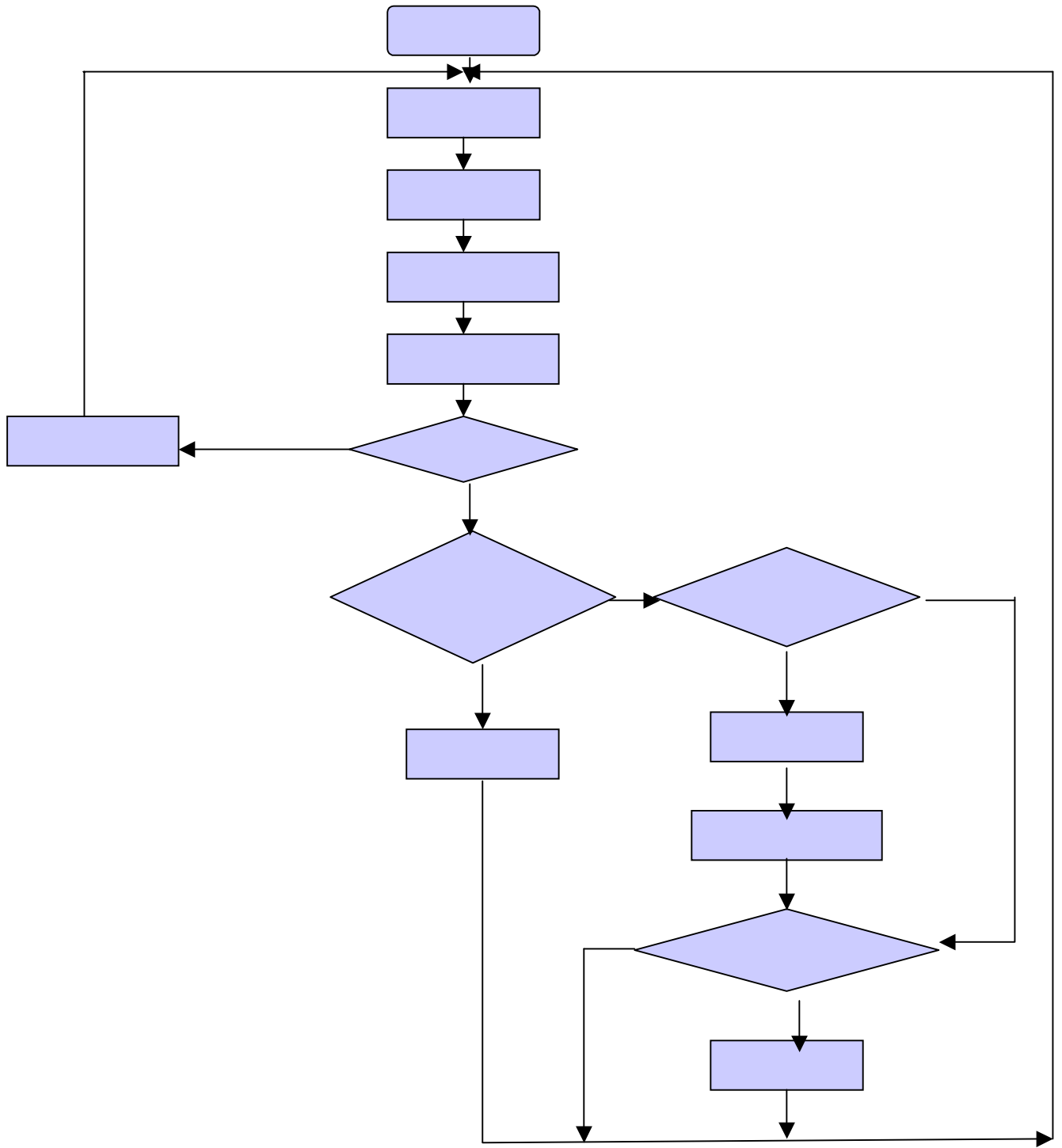
1

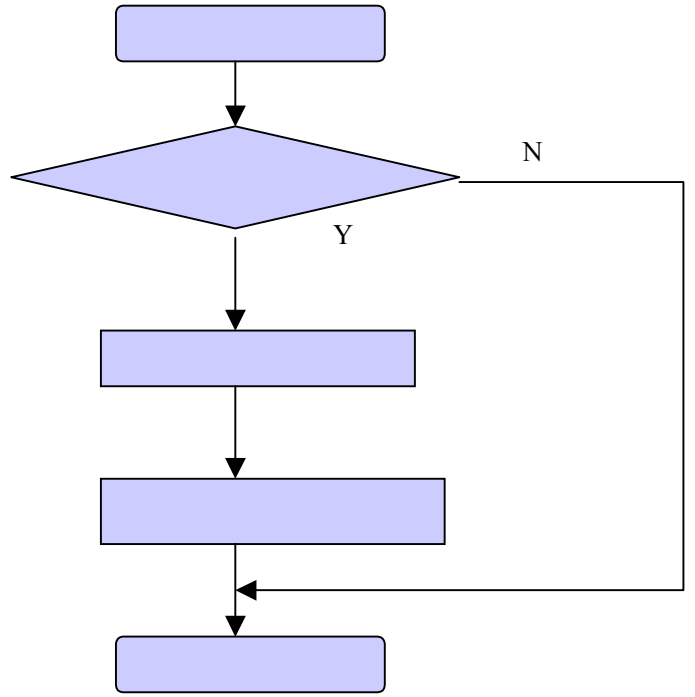
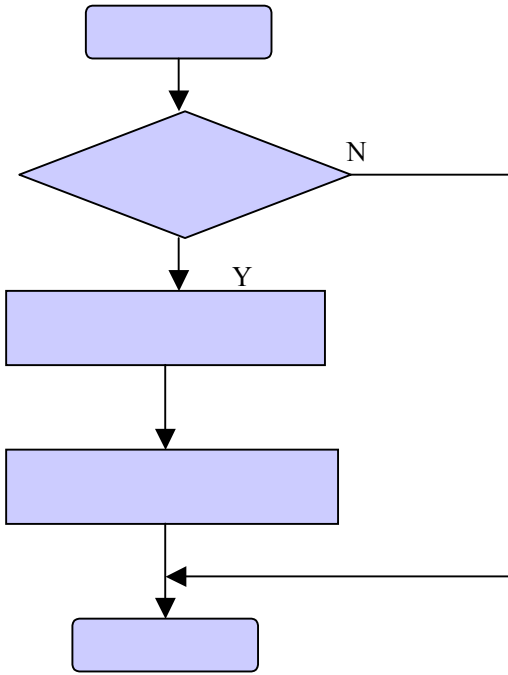
TBM
CPU

COP

3

4





5

6

68HC908GR8

SCI USB

MC68HC08

