

Qualstar Memory Map

*** Use service manual for signal functions.

0000h **CE0** (/CE0 + /CE2) = ROM ENABLE
 2000h **CE2**
 4000h
 6000h

8000h **CEB** (8155) – PIO & 128 bytes RAM
 8000h Command and Status

Wrt:

7	6	5	4	3	2	1	0
TM2	TM1	IEB	IEA	PC2	PC1	PB	PA

Read:

7	6	5	4	3	2	1	0
	TIMER	INTE-B	B-BF	INTR-B	INTE-A	A-BF	INTR-A

8001h PortA

7	6	5	4	3	2	1	0
WRITE	/WRTPWR	/ERASE	/ERASEPWR	/TLWD	/WFMK	/WIDENT	IDENT

8002h PortB

7	6	5	4	3	2	1	0
/TUMON	TUMCW	/SPMON	SPMCCW	CDBY	TUSEL	SPSEL	IDSEL

8003h PortC

7	6	5	4	3	2	1	0
		LOWRTH	READ	FWD	/LOADLED	/FPTLED	/3200LED

8004h Timer LSB
 8005h Timer HSB

A000h **CEA** (8254) – Timer

A000h TIMER0
A001h TIMER1
A002h TIMER2
A003h Timer Control

7	6	5	4	3	2	1	0
SC1	SC0	RL1	RL0	M2	M1	M0	BCD

C000h RDC/WRC
C000h RDC0 (READ WRT,REV,ERASE,WFM
EDIT,HISP,SPCMD1,SPCMD2)

7	6	5	4	3	2	1	0
WRT	REV	ERASE	WFM	EDIT	HISP	SPCMD1	SPCMD2

WRC0

7	6	5	4	3	2	1	0
HIDEN	DBY	RDY	FPT	LDP	EOT	SPEED	FBY

C001h RDC1 (READ RST7.5,5.5,RWD,ONL
FSEL(3),GO)

7	6	5	4	3	2	1	0
/GOL	GO	/FSEL	/FEN	/ONL	/RWD	/RST7.5	/RST5.5

WRC1

7	6	5	4	3	2	1	0
ONL	RWD						

C002h RDC2 (READ ENV,LAST,ABORT,EOR,DROP
EOT,BOT)

7	6	5	4	3	2	1	0
/EOT	/BOT	/DROP	/EOR	/FMKDL	/ABORT	/LAST	/ENV

C003h RDC3 (READ FRONT SWITCHES,TACH(3)
ON,A,B,AND WRISON)

7	6	5	4	3	2	1	0
/TACHFWD	TACHA	TACHB	/WRISON	/DOORSW	/LOADSW	/FPTSW	/3200SW

WRC3 (MOTOR CONTROL - DA - TUM)

C004h RDC4 (READ DIAGNOSTIC SWITCHES)

7	6	5	4	3	2	1	0
DIAG	READONLY	IPGB	IRGA	TUMKTB	TUMKTA	SPMKTB	SPMKTA

WRC4 (MOTOR CONTROL - DA - SPM)

E000h

7	6	5	4	3	2	1	0