A.C. CHARACTERISTICS—PERIPHERAL (SLAVE) MODE (T_A = 0°C to 70°C, V_{CC} = 5.0V ±5%, GND = 0V)

Symbol	Parameter	8237A		8237A-4		8237A-5		Unit
		Min.	Max.	Min.	Max.	Min.	Max.	
TAR	ADR Valid or $\overline{CS}$ LOW to $\overline{READ}$ LOW	50		50		50		ns
TAW	ADR Valid to $\overline{WRITE}$ HIGH Setup Time	200		150		130		ns
TCW	CS LOW to $\overline{WRITE}$ HIGH Setup Time	200		150		130		ns
TDW	Data Valid to $\overline{WRITE}$ HIGH Setup Time	200		150		130		ns
TRA	ADR or CS Hold from $\overline{READ}$ HIGH	0		0		0		ns
TRDE	Data Access from $\overline{READ}$ LOW (Note 3)		200		200		140	ns
TRDF	DB Float Delay from $\overline{READ}$ HIGH	20	100	20	100	0	70	ns
TRSTD	Power Supply HIGH to RESET LOW Setup Time	500		500		500		ns
TRSTS	RESET to First $\overline{IOWR}$	2TCY		2TCY		2TCY		ns
TRSTW	RESET Pulse Width	300		300		300		ns
TRW	$\overline{READ}$ Width	300		250		200		ns
TWA	ADR from $\overline{WRITE}$ HIGH Hold Time	20		20		20		ns
TWC	CS HIGH from $\overline{WRITE}$ HIGH Hold Time	20		20		20		ns
TWD	Data from $\overline{WRITE}$ HIGH Hold Time	30		30		30		ns
TWWS	Write Width	200		200		160		ns

WAVEFORMS

SLAVE MODE WRITE TIMING

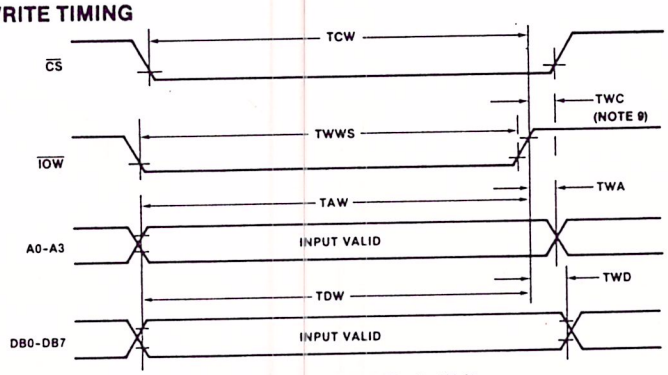

Figure 9. Slave Mode Write

SLAVE MODE READ TIMING

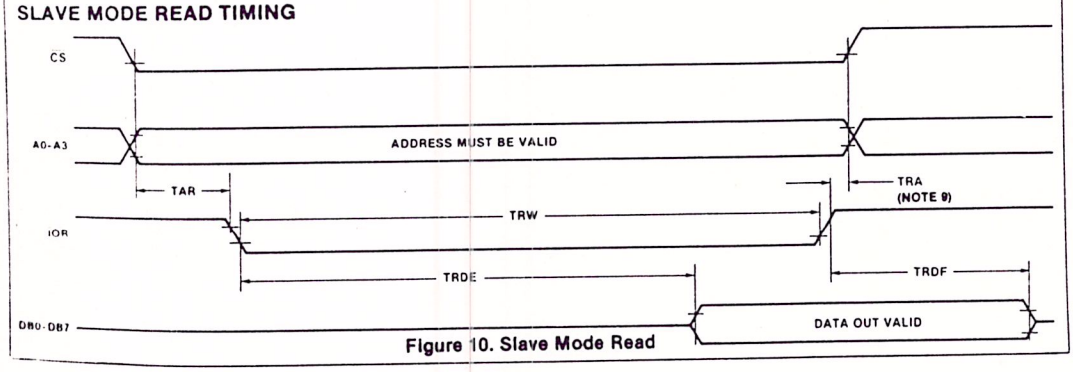

Figure 10. Slave Mode Read

WAVEFORMS (Continued)

DMA TRANSFER TIMING

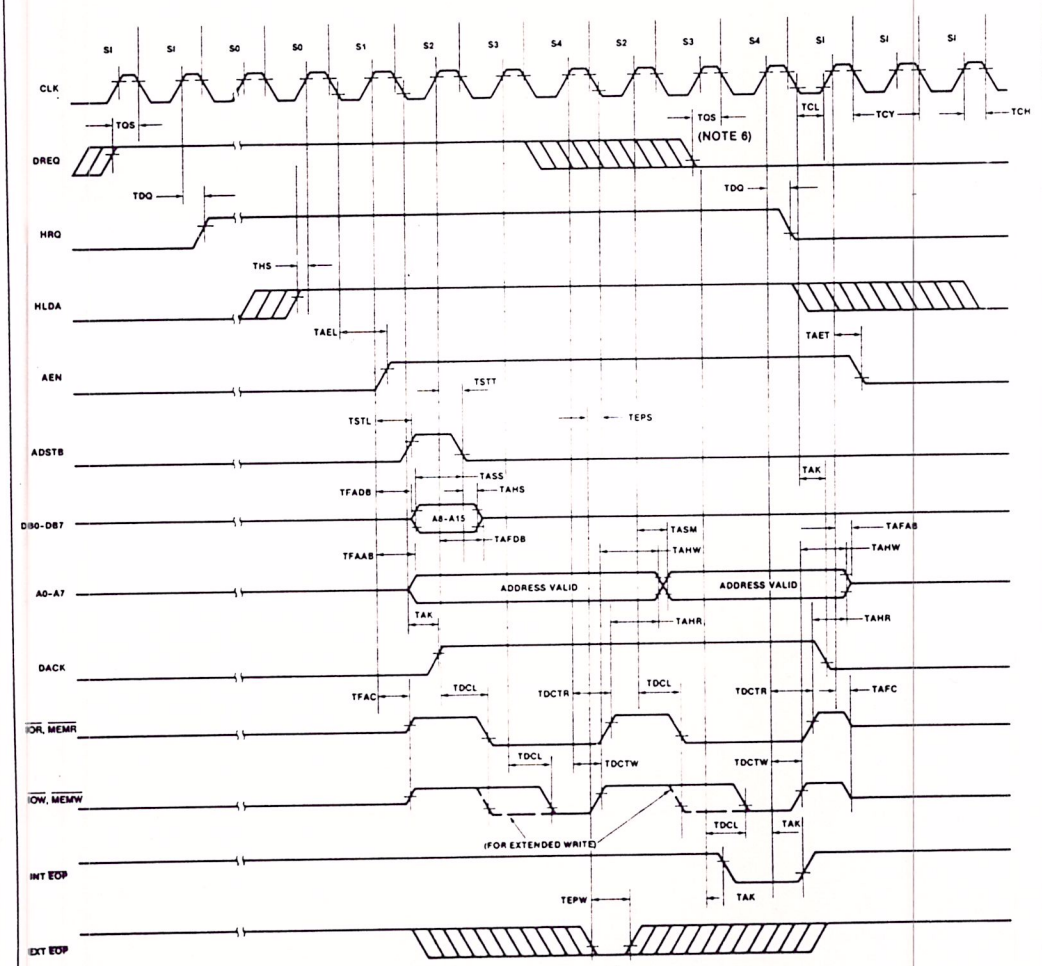

Figure 11. DMA Transfer

WAVEFORMS (Continued)

MEMORY-TO-MEMORY TRANSFER TIMING

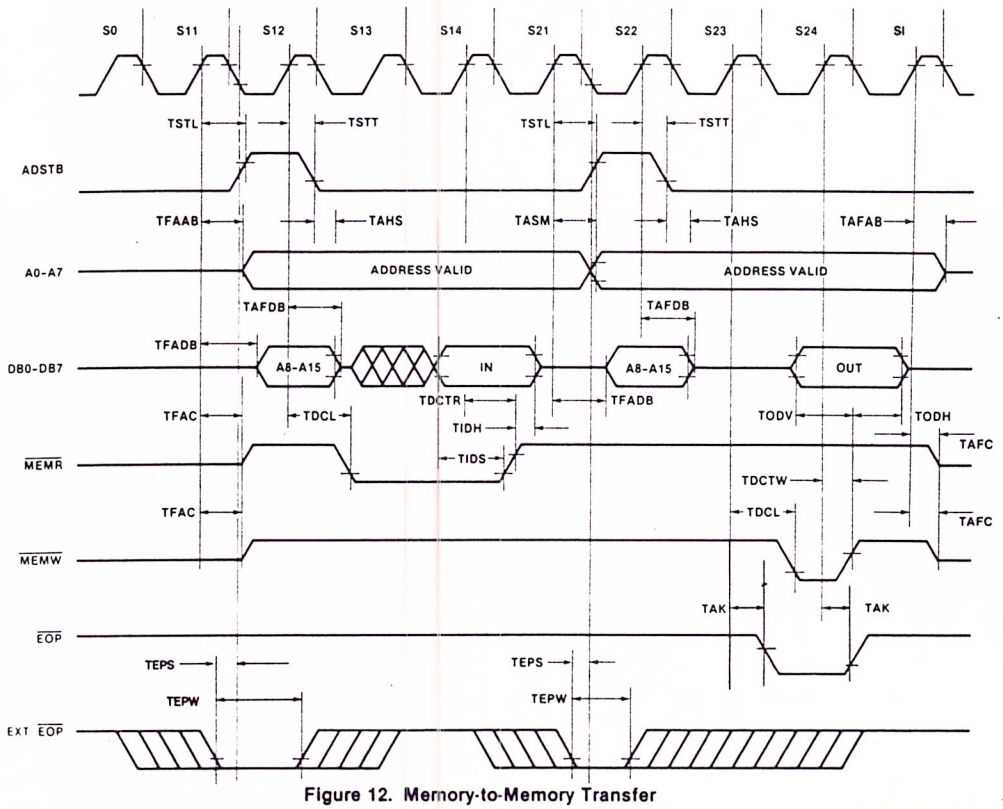

Figure 12. Memory-to-Memory Transfer

READY TIMING

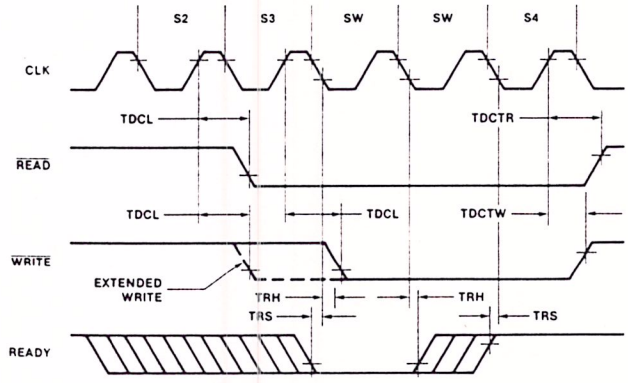

Figure 13. Ready

WAVEFORMS (Continued)

COMPRESSED TRANSFER TIMING

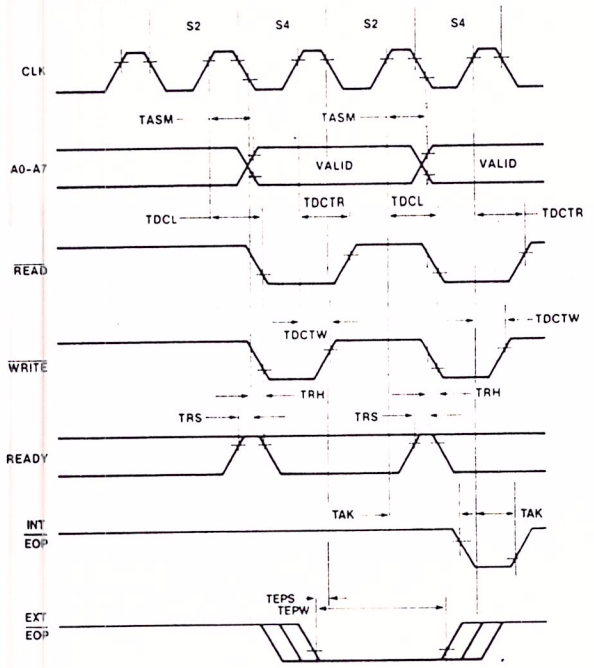

Figure 14. Compressed Transfer

RESET TIMING

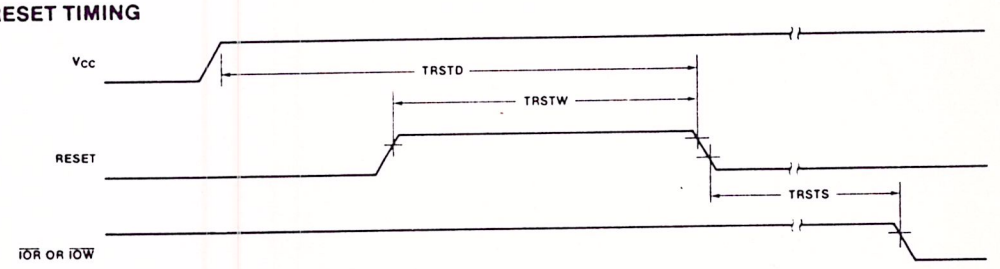

Figure 15. Reset