hp

8095 INTERROPT 9 Rs w4202 Ingonopy. Hardware Theory Involved using Pins of 8085 Instruction 5 Pins dedicated for RESTART IMSTRUCTION 5 h/w mreenupt. & siestart. · TRAP · RS77.5 1 . RST 6'5 RST O , RST 5.5 1 729 RS7 2 1 M TR RST 3 RST 4 RST 5 RST 6 JECTOR ADDRESS RST 7 Address predictioned using internal CKT of

Vectored Interript of 8085 with their vectory address.

Handware Vectored Imensiphs.

TRAP -> 0024H.

RS7 7.5 -> 003CH

RST 6:5 -> 0034H

RST 5.5-> 002CH.

software throughts.

 $RST O \rightarrow OOOOH.$

RST 1 -> 0008 H

RST 2 -> OOIOH

RST 3 -> 0018H

RST 4 -> 0020 H

RST 5 -> 0028H

RST 6 -> 0030H

RST 7 -> 0038 H.

INTR -) is a MON-VECTORED INTERROPT.

I How the address for its ISR is

determined?

Address of IMTR is determined using external ciacuit.

MASKABLE INTERRUPT.

1

RST 7.5; RST 6.5

R27 5.5 ; IMTR

NON MASKABLE
THTERRUPT,

TRAP

EI -> Enable. Interrupt.

DI -> DISable Interrupt.

J
OVERALL INTERRUPT.

If EI is given.

Interrupt facility is enabled.

Interrupt facility is enabled.

TRAP is non-markable.

BOT The semaining.

RST 7.5 RST 6.5

RST 5.5 IMTR.

Con be masked individually

SIM -> Set interrupt mask.

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Ly use this to mask individual

(massupts.

Interryt type,	Talgger type	Partoality	Maskable	Vector adduess.
	Edge/Level	1s+(H)	MO	0024H
TRAP	Edge	2nd	Yes	003CH
RST 7.5		3.9d	Yes	0034 H
RST 6.5	Level		Yes	002CH
RST 5.5	Level	477		
	Level	5th (L)		Generate externally
INTR		1		