

HITACHI SEMICONDUCTOR TECHNICAL UPDATE

DATE	27th, September, 1999	No.	TN-SH7-187 A/E
THEME	Setup time specification and product code change		
CLASSIFICATION	<input checked="" type="checkbox"/> Spec. change <input type="checkbox"/> Limitation on Use <input type="checkbox"/> Supplement of Documents		
PRODUCT NAME	HD6417750BP200, HD6417750BP200M		
REFERENCE DOCUMENTS	SH4(SH7750) Hardware manual	Effective Date	Eternity
		From	October 1999

1. Specifications change

The specifications (Power supply voltage and setup time) of HD6417750BP200 are changed as following. (The change of power supply voltage specification is the same as HITACHI SEMICONDUCTOR TECHNICAL UPDATE "TN-SH7-181A/E".)

HD6417750BP200M specification

(1) DC Characteristics : Power supply voltage specification

Item	Symbol	MIN	TYP	MAX	Unit
Power supply voltage	VDD	1.8	1.95	2.07	V

(2) AC Characteristics : Setup time specification

(VDDQ=3.0 to 3.6V, VDD=1.95V typ, Ta=-20 to 75°C, CL=30pF, PLL2 : ON)

Item	Symbol	Min	Max	Unit
$\overline{\text{BREQ}}$ setup time	tBREQS	3	-	ns
Read data setup time	tRDS	3	-	ns
$\overline{\text{RDY}}$ setup time	tRDYS	3	-	ns
$\overline{\text{IOIS16}}$ setup time	tIO16S	3	-	ns
I/O port : Input data setup time	tPORTS	3	-	ns
DMA : $\overline{\text{DREQn}}$ setup time	tDRQS	3	-	ns

2. Product code change

For the aforementioned specification change, current product code HD6417750BP200 is changed to new product code HD6417750BP200M.

The difference between HD6417750BP200 and HD6417750BP200M is the aforementioned (1),(2).