

Functional selection guide

ABT16 and ABTH16 families

MULTI-BIT FLIP FLOPS

FUNCTION	DEVICE NUMBER	CLOCK EDGE	SET	RESET	OUTPUT
16-bit D-type	74ABT16273	positive	–	LOW	NINV
16-bit D-type, 3-state	74ABT16374	positive	–	–	NINV
20-bit D-type, 3-state	74ABT16821	positive	–	–	NINV
20-bit D-type with bushold, 3-state	74ABTH16821	positive	–	–	NINV
18-bit D-type, 3-state	74ABT16823	positive	–	LOW	NINV

MULTI-BIT LATCHES

FUNCTION	DEVICE NUMBER	RESET LEVEL	ENABLE LEVEL	OUTPUT
16-bit transparent latch, 3-state	74ABT16373	LOW	HIGH	NINV
20-bit bus interface latch, 3 state	74ABT16841	LOW	HIGH	NINV

MULTI-BIT REGISTERS

FUNCTION	DEVICE NUMBER	BITS	LATCH ENABLE	OUTPUT
16-bit register transceiver with dual enable, 3-state	74ABT16543	16	LOW	NINV
16-bit transceiver/register, 3-state	74ABT16646	16	–	NINV
16-bit transceiver/register, bushold, 3-state	74ABTH16646	16	–	NINV
16-bit transceiver/register, 3-state	74ABT16652	16	–	NINV
16-bit transceiver/register, 3-state	74ABT16952	16	–	NINV

MULTI-BIT BUFFERS, DRIVERS & TRANSCEIVERS

FUNCTION	DEVICE NUMBER	BUSHOLD	ENABLE LEVEL	OUTPUT
16-bit buffer/driver, inverting, 3-state	74ABT16240A	–	4 LOW	INV
16-bit buffer/driver with 30 Ω termination, inverting, 3-state	74ABT162240	–	4 LOW	INV
16-bit buffer/driver, 3-state	74ABT16244A	–	4 LOW	NINV
16-bit buffer/driver, bushold, 3-state	74ABTH16244A	YES	4 LOW	NINV
16-bit buffer/driver with 30 Ω termination, 3-state	74ABT162244	–	4 LOW	NINV
16-bit buffer/driver with 30 Ω termination, bushold, 3-state	74ABTH162244	YES	4 LOW	NINV
16-bit transceiver, 3-state	74ABT16245B	–	2 LOW	NINV
16-bit transceiver, bushold, 3-state	74ABTH16245B	YES	2 LOW	NINV
16-bit transceiver with 30 Ω termination, 3-state	74ABT162245A	–	2 LOW	NINV
16-bit transceiver with 30 Ω termination, bushold, 3-state	74ABTH162245A	YES	2 LOW	NINV
18-bit universal bus transceiver, 3-state	74ABT16501A	–	1 LOW + 1 HIGH	NINV
18-bit universal bus transceiver, bushold, 3-state	74ABTH16501A	YES	1 LOW + 1 HIGH	NINV
16-bit buffer/driver, 3-state	74ABT16541	–	4 LOW	NINV