

MILITARY Brief



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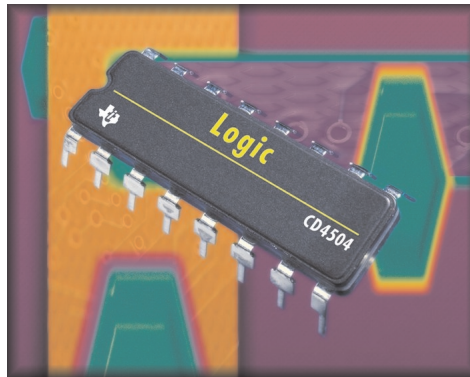
Issue 2
SGYN138

TI Military Logic Deepens Its Bench

(with the addition of the FCT functions and CD4000 products)

TI Enters the FCT Market

With the completion of the acquisition of Cypress Semiconductor's FCT logic family in February of 2000, TI steps into the FCT world to further expand its logic portfolio and provide customers a one-stop shop for their logic needs. There are a wide range of Military functions available, from the FCT138, 240, 244 and 245 to the FCT373, 374 and 377. These are just a few of the functions production released. Widebus™ parts are a planned offering.



CD4504—A CMOS Hex Voltage-Level Shifter for TTL-to-CMOS or CMOS-to-CMOS Operation

TI Acquires CD4K Products

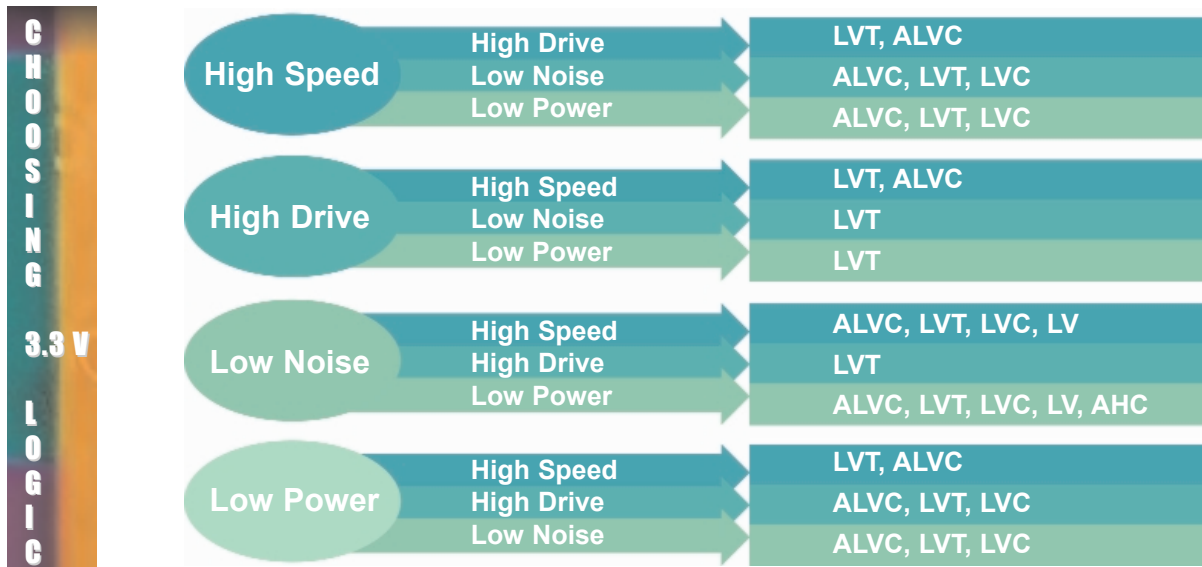
In December of 1998, Texas Instruments completed the acquisition of select Harris logic products. These Military logic technologies include:

- HCMOS (HC & HCT): 199 Functions
- Advanced CMOS (AC & ACT): 72 Functions
- CD4000: 118 Functions.

With these added families and functions, TI customers can expect to receive the world class service and production support to which they are accustomed.

Time for a Change

The chart below displays the upgrade paths available for military designers via TI's Advanced Logic solutions.



New and Future Product Releases

The following chart contains the latest device releases plus some releases planned for 2001.

Parent Device	DSCC #s	Device Function	Packages Available	# of Pins
SNJ54ABT162601	5962-9859301QXA	18-Bit Universal Bus Transceivers with 3-State Outputs	WD	56
SNJ54ABTH245	5962-9762301Q2A/QRA/QSA	Octal Bus Transceivers with 3-State Outputs	J,W,FK	20,20,20
SNJ54ABTH16244	5962-9762401QXA	16-Bit Buffers/Drivers with 3-State Outputs	WD	48
SNJ54ABTH16245	5962-9762501QXA	16-Bit Bus Transceivers with 3-State Outputs	WD	48
SNJ54ACT00	5962-8769901M2A/MCA/MDA	Quadruple 2-Input Positive NAND Gates	J,W,FK	14,14,20
SNJ54ACT14	5962-9218301M2A/MCA/MDA	Hex Schmitt-Trigger Inverters	J,W,FK	14,14,20
SNJ54AHC123A	5962-9860801Q2A/QEA/EFA	Retriggerable Monostable Multivibrators	J,W,FK	16,16,20
SNJ54AHC138	5962-9851601Q2A/QEA/QFA	3-Line to 8-Line Decoders/Demultiplexers	J,W,FK	16,16,20
SNJ54AHC157	5962-9764201Q2A/QEA/QFA	Quad 2-Line to 1-Line Data Selectors/Multiplexers	J,W,FK	16,16,20
SNJ54AHC273	5962-9853001Q2A/QRA/QSA	Octal D-Type Flip-Flops with Clear	J,W,FK	20,20,20
SNJ54AHCT123A	5962-98616Q2A/QEA/QFA	Retriggerable Monostable Multivibrators	J,W,FK	16,16,20
SNJ54AHCT138	5962-9851701Q2A/QEA/QFA	3-Line to 8-Line Decoders/Demultiplexers	J,W,FK	16,16,20
SNJ54CBT16212A	5962-9852101QXA	24-Bit Bus-Exchange Switch	WD	56
SNJ54CBT16244	5962-9855301QXA	16-Bit Buffers/Drivers with 3-State Outputs	WD	48
SNJ54LVC157A	5962-0050601QXA	Quadruple 2-Line to 1-Line Data Selector/Multiplexer	J,W,FK	16,16,20
SNJ54LVC257A†	*	Quadruple 2-Line to 1-Line Data Selector/Multiplexer w/ 3-State Outputs	J,W,FK	16,16,20
SNJ54LVTH240	5962-9950801Q2A/QRA/QSA	Octal Buffers/Drivers with 3-State Outputs	J,W,FK	20,20,20
SNJ54LVTH373†	*	3.3-V ABT Octal Transparent D-Type Latches w/ 3-State Outputs	J,W,FK	20,20,20
SNJ54LVTH374†	*	3.3-V ABT Octal Edge-Triggered D-Type Flip-Flops w/ 3-State Outputs	J,W,FK	20,20,20
SNJ54LVTH162373	5962-9763801QXA	3.3-V ABT 16-Bit Transparent D-Type Latches w/ 3-State Outputs	WD	48
SNJ54LVTH162374	5962-9854201QXA	3.3-V ABT 16-Bit Edge-Triggered D-Type Flip-Flops w/ 3-State Outputs	WD	48
CY54FCT543T†	*	Octal Registered Transceivers with 3-State Outputs	WD	48
CY54FCT573AT†	*	Octal Transparent D-Type Latches w/ 3-State Outputs	WD	48

† 1Q 2001 Projected Release

* DSCC SMD available in all new product releases

Listening To Our Customers

Military Logic continues to provide leading edge technology, competitive prices, short lead times and broad product offerings. We are also committed to long term production support on mature technologies consistent with customer demand.

Data sheets can be obtained from the Texas Instruments Product Information Center or from TI's Military Semiconductors website at www.ti.com/sc/military. Widebus is a trademark of Texas Instruments.

Product Information Center

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 Military Products: www.ti.com/sc/docs/military/welcome.htm
 Distributor Listing: www.ti.com/sc/docs/distmenu.htm

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