

The *Thrust* in Linear Circuits

Plus news from Texas Instruments about

Schottky TTL – Growing line, full availability

MOS/LSI – Specs on industry's broadest line

Optoelectronics – New P-DIP couplers

Power transistors – Increased reliability

Transistors – Two new Darlington's



Linear circuits: 40 new functions announced this year.

TI has the capability—across the board.

Your choice of linear ICs at TI is growing fast. In the past six months we've introduced 40 new functions—that's more than one per week. And more are coming.

Now a broad, economical, dependable selection, TI's current line includes 12 operational amplifiers, 10 voltage comparators, 5 video amplifiers, 2 communications circuits and 37 consumer circuits. And there are 32 functions in our related interface circuits line. Check the product list under the foldout. Prices are competitive and delivery is immediate—from distributor stocks or from TI's big in-house inventories.

Op amps — top performance, all packages

TI has carefully structured a broad line of op amps.

It's a useful, accommodating line. Suppose you want state-of-the-art super betas. TI has two brand-new ones—the SN52108/72308 and the SN52108A/72308A. High performance devices, they are ideal for applications requiring extremely low input offset voltages. They join the two super betas — SN52/72770 and SN52/72771—recently announced by TI.

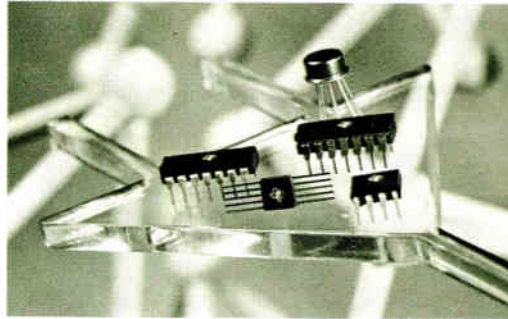
As for precision op amps, your choice includes the internally compensated, general purpose SN52/72741; the SN52/72558, SN52/72747—dual 741s— and the SN52/72748—an extended bandwidth, general purpose device. The SN52101A/72301A are pin-for-pin replacements for the LM101A/LM301A, while the general purpose, internally compensated SN52107/72307 are direct replacements for the LM107/LM307.

Rounding out your op amp choice are the popular, general purpose SN52/72702 and SN52/72709.

And TI's package selection is industry's widest: 8- and 14-pin plastic DIP; 14-pin ceramic DIP; TO-5; ceramic and metal flatpacks.

Voltage comparators — a 10-device choice

In voltage comparators, TI gives you a choice of



singles and duals from industry standards to supercomparators.

Singles include the SN52/72710 as well as new super comparators: SN52/72510 and SN52/72810, each featuring high gain and low offset voltage. The SN52/72510 is a single comparator with strobe.

The SN52106/SN72306 are pin-for-pin replacements for the LM106/LM306.

In duals, you can select the SN52/72711 or the SN72720 differential comparators; or any of the new supers—SN52/72811, SN52/72514 and SN52/72820. A replacement for the MC1514/MC1414, the SN52/72514 has greatly improved performance. Like a response time of 30 ns. And soon: SN52/72506, a dual 52/72106.

Video amplifiers — a full bandwidth range

TI offers a complete range of video amps (see table). The new SN55/7512 is the only monolithic video amplifier having offset null capability. And TI's new SN55/7514 outperforms competition with a typical gain of 300 and an 80-MHz bandwidth. The SN55/7511 offers the best gain-bandwidth product.

TI Video Amp	Bandwidth
SN55/7511	3 MHz
SN55/7510	40 MHz
SN55/7512	80 MHz
SN55/7514	80 MHz
SN52/72733	200 MHz

Consumer circuits

For color TV, AM/FM radios/phonos and other consumer applications, you can satisfy your requirements with TI's line of 37 consumer circuits. If your application still requires special features, consult us on our custom capabilities.

For linear circuits brochure, circle 283; for consumer circuits brochure, circle 284.

TI Operational Amplifiers					
Type	Features	Input Offset Voltage (Max) mV	Input Offset Current (Max) nA	Input Bias Current (Max) nA	Slew Rate at Unity Gain (Typ) V/ μ s
SN52/72702	Wide BW, General Purpose	5	500	10,000/15,000	1.7
SN52/72709	General Purpose	5/7.5	200/500	500/1500	0.3
SN52/72741	Internally Compensated General Purpose	5/6	200	500	0.5
SN52/72747	Dual SN52/72741	5/6	200	500	0.5
SN52/72748	Extended BW, General Purpose	5/6	200	500	0.5
SN52/72558	Dual 741 in 8-pin package	5/6	200	500	0.5
SN52101A/SN72301A	Precision Op Amp	2/7.5	10/50	75/250	0.5
SN52107/SN72307	Internally Compensated General Purpose	2/7.5	10/50	75/250	0.5
SN52/72770	Super β	4/10	2/10	15/30	2.5
SN52/72771	Super β , Internally Compensated	4/10	2/10	15/30	2.5
SN52108/SN72308	Super β	1/10	0.4/1.5	3/10	0.25
SN52108A/SN72308A	Super β	1/0.73	0.4/1.5	3/10	0.25

Integrated Circuits: you'll find your broadest choice—by far—at TI.



TI's full line-up of linear ICs

LINEAR CIRCUITS		SN76540	TV jungle for NPN tuners and Ge diode detection
OPERATIONAL AMPLIFIERS			
SN52/72702	Wide bandwidth, gen. purp.	SN76541	TV jungle for NPN and low level detection
SN52/72709	General purpose	SN76542	TV jungle for PNP tuners and Ge diode detection
SN52/72741	Internally compensated, gen. purp.	SN76564	Automatic fine tuning
SN52/72747	Dual SN72741	Regulators for varactor tuners	
SN52/72748	Extended bandwidth, gen. purp.	SN76550	33V at 5mA
SN52/72558	Dual 741 in 8-pin package	SN76552	22V at 5mA
SN52101A/72301A	Precision	SN76553	12V at 5mA
SN52107/72307	Internally compensated, gen. purp.	IF circuits for radio and TV	
SN52/72770	Super β	SN76600	1st and 2nd video IF stages
SN52/72771	Super β , internally compensated	SN76603	RF/IF amplifier
SN52108/72308	Super β	SN76619	RF amplifier/FM detector
SN52108A/72308A	Super β	SN76640	Sound IF/limiter, slope detector, audio driver, voltage regulator
VOLTAGE COMPARATORS			
SN52106/72306	Single differential comparator with dual strobes	SN76641	IF limiting amplifier
SN52/72506	Dual differential comparator with strobes	SN76642	Sound IF/detector
SN52/72510	Single differential comparator with strobe	SN76643	Sound IF/detector
SN52/72514	Dual differential comparator with strobes	SN76650	1st and 2nd video IF with keyed AGC
SN52/72710	Single differential comparator	SN76653	SN76650 with inverted AGC
SN52/72711	Dual-channel differential comparator with strobe	SN76660	Sound IF/amplifier limiter, balanced coincidence detector, d-c volume control
SN72720	Dual differential comparator	SN76670	SN76660 with open-collector output
SN52/72810	Single differential comparator	SN76675	FM IF amplifier limiter, detector and audio preamplifier
SN52/72811	Dual-channel differential comparator with strobe	SN76676	FM IF amplifier limiter
SN52/72820	Dual differential comparator	SN76680	SN76660 with audio driver and voltage regulator
VIDEO AMPLIFIERS			
SN52/72733	Amplifier with adjustable gain (200 MHz BW @ gain of 10)	COMPUTER INTERFACE CIRCUITS	
SN55/7510	40 MHz bandwidth	SENSE AMPLIFIERS	
SN55/7511	High gain-bandwidth product amplifier (gain of 3000 @ 3 MHz)	SN7520/SN7521	Dual-channel with complementary outputs
SN55/7512	Amplifier with offset null capability	SN7522/SN7523	Dual-channel with open-collector output
SN55/7514	80 MHz bandwidth	SN7524/SN7525	Dual (two independent sense amps)
COMMUNICATIONS CIRCUITS			
SN56/76502	Logarithmic amplifier	SN7526/SN7527	Dual with register output
SN56/76514	Balanced mixer	SN7528/SN7529	Dual with preamplifier outputs as test points
CONSUMER CIRCUITS			
Audio amplifiers			
SN76001	1W audio at 9V and 8 Ω	SN75238/SN75239	Dual with test points and inverted outputs
SN76003	3W audio at 30V and 16 Ω	PERIPHERAL DRIVERS	
SN76005	5W audio at 35V and 16 Ω	SN75450	Dual positive-AND
SN76013	3W audio at 24V and 8 Ω	SN75450A	Improved dual positive-AND
Dual channel and stereo			
SN76104	Stereo multiplex decoder	SN75451	Dual positive-AND
SN76105	Stereo multiplex decoder	SN75451A	Improved dual positive-AND
SN76110	Stereo multiplex decoder	SN75452	Dual positive-NAND
SN76131	Stereo preamplifier	SN75453	Dual positive-OR
SN76149	Stereo preamplifier	SN75454	Dual positive-NOR
Chroma circuits			
SN76242	Chroma sub-carrier regenerator	LINE DRIVERS AND RECEIVERS	
SN76243	Chroma amplifier	SN75100	Dual differential line receiver
SN76246	Chroma demodulator	SN55/75109	Dual differential line driver
SN76630	Chroma demodulator with PAL switch	SN55/75110	Dual differential line driver
Complex TV functions			
SN76532	TV jungle (suitable for horizontal deflection with tubes)	SN75150	Dual EIA line driver
SN76533	TV jungle (suitable for horizontal deflection with semiconductors)	SN55/75107	Dual differential line receiver
		SN55/75108	Dual differential line receiver
		SN75154	Quadruple EIA line receiver
		MEMORY DRIVERS	
		SN75303	150-mA 2 x 4 transistor array
		SN75308	600-mA 2 x 4 transistor array
		SN75324	400-mA with decade inputs, dual sink/source
		SN75325	600-mA, dual sink/source

For data sheets, specify device number and write to Inquiry Answering Service, Texas Instruments Incorporated, P.O. Box 5012, M.S. 308, Dallas, Texas 75222.

3 ns Schottky TTL Immediate delivery on TI's entire line of Schottky TTL ICs.

Availability is now excellent on TI's entire line of 3 ns at 20 mW Schottky-clamped TTL ICs.

Advanced, highly automated production facilities have been placed into Schottky TTL production to keep in-house inventories up and distributor stocks filled—assuring on-time delivery of this fast-growing line.

Recent announcements in the Schottky line have expanded your choice to 16 functions. The latest additions are two new dual J-K edge-triggered flip-flops—the SN54S/74S113 and SN54S/74S114. Plug in either and you upgrade present systems to 100 MHz.

Also in the Schottky family are two quadruple 2-input NAND gates, a hex inverter, two triple 3-input AND gates, a triple 3-input NAND gate, two dual 4-input NAND gates, two 4-wide, 4-2-3-2 input AND-OR-INVERT gates, a dual 4-input NAND buffer, a dual 4-input 50-ohm line driver/NAND buffer, a dual D-type flip-flop and a dual J-K flip-flop.

In addition to being readily available and faster than any other TTL family, the Schottky-clamped family provides many other benefits. For example, a 125-MHz typical J-K flip-flop input clock frequency. Compatibility with nearly all saturated digital devices. Switching times virtually insensitive to variation in power supply or temperature. For data sheets, circle 285.

MOS/LSI TI offers most comprehensive MOS catalog line.

TI's standard line of MOS/LSI circuits is your biggest, most comprehensive choice. There are 64 separate functions—each produced in volume for quick delivery and maximum economy.

TI's static shift registers have speeds from DC to 3 MHz, complexities to 500 bits, at an average small quantity price of 2¢

per bit. Dynamic registers have speeds to 10 MHz, complexities to 1000 bits, at an average small quantity price of 0.8¢ per bit.

In read only memories, TI offers speeds from 350 ns to 1 μ sec (fully decoded) and complexities from 1024 to 4096 bits. Prices in small quantities are from 0.9¢ per bit to 0.25¢ per bit.

Access times for TI random access memories range from 280 to 750 ns, with very low power dissipations. Complexities from 256 to 2048 bits, prices average 0.8¢ per bit in small quantities.

Package choice includes 14- to 40-pin plastic, 16- to 40-pin ceramic, TO-100 and TO-8.

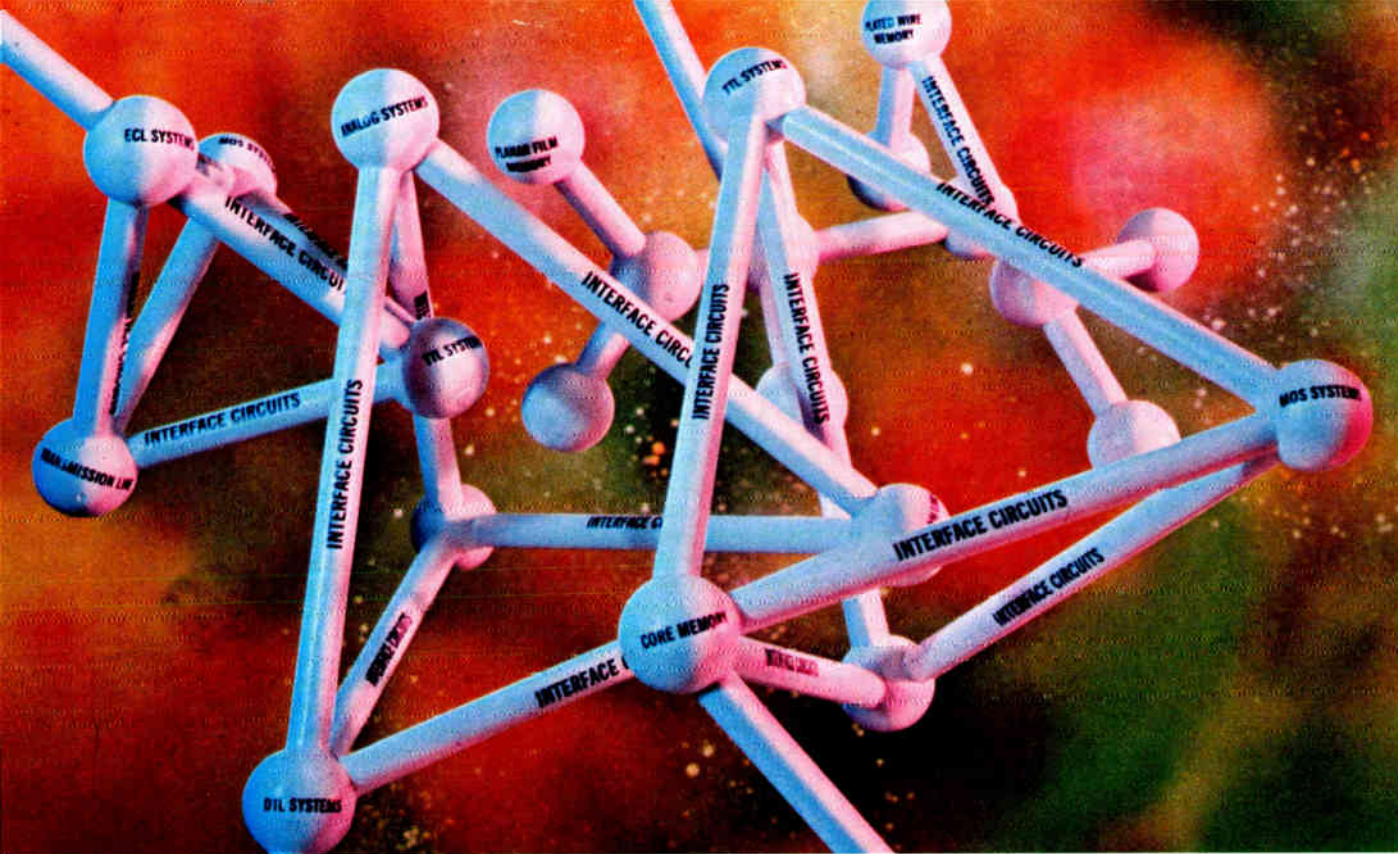
For data sheets, circle 286.

SRs	Organization	Bits	MHz	Logic	V_T	Power			ϕ	Clock Swing	Pwr (mW at 1 MHz)		Pkg
						V_{SS}	V_{DD}	V_{CC}			Pkg	Per Bit	
TMS 3000 LR	Dual 25	50	0-1	stat	High	+14	0	-14	2	+14 to -14	240	4.8	TO-100
TMS 3001 LR	Dual 32	64	0-1	stat	High	+14	0	-14	2	+14 to -14	270	4.2	TO-100
TMS 3002 LR	Dual 50	100	0-1	stat	High	+14	0	-14	2	+14 to -14	185	1.9	TO-100
TMS 3003 LR	Dual 100	200	0-1	stat	High	+14	0	-14	2	+14 to -14	280	1.4	TO-100
TMS 3012 JR/NC	Dual 128	256	0-1	stat	High	+14	0	-14	1	+14 to 0	380	1.5	CDIP/plastic
TMS 3016 LR	Dual 16	32	0-1	stat	High	+14	0	-14	2	+14 to -14	130	4	CDIP
TMS 3021 LR	21-bit	21	0-1	stat	High	+14	0	-14	2	+14 to -14	140	7	TO-100
TMS 3028 LR	Dual 128	256	0-1	stat	High	+14	0	-14	1	+14 to 0	380	1.5	TO-100
TMS 3101 LC/NC	Dual 100	200	0-2.5	stat	Low	+5	0	-12	2	+5 to -12	270	1.35	TO-100/plastic
TMS 3102 LC/NC	Dual 80	160	0-2.5	stat	Low	+5	0	-12	2	+5 to -12	216	1.35	TO-100/plastic
TMS 3103 LC/NC	Dual 64	128	0-2.5	stat	Low	+5	0	-12	2	+5 to -12	170	1.35	TO-100/plastic
TMS 3112 JC/NC	Hex 32	192	0-1	stat	Low	+5	0	-12	1	0 to +5	255	1.33	CDIP/plastic
TMS 3113 JC/NC	Dual 133	266		stat	Low	+5	0	-12	1	0 to +5	260	1.0	CDIP/plastic
TMS 3114 JC/NC	Dual 128	256		stat	Low	+5	0	-12	1	0 to +5	260	1.0	CDIP/plastic
TMS 3304 LR	Triple 66	198	0.01-5	dyn	High	+14	0	-14	2	+14 to -14	100	0.5	TO-100
TMS 3305 LR	Triple 64	192	0.01-5	dyn	High	+14	0	-14	2	+14 to -14	100	0.52	TO-100
TMS 3309 JC/NC	Dual 512	1024	0.01-5	dyn	High	+14	0	-14	4	+12 to -12	90	0.09	CDIP/plastic
TMS 3314 JC/NC	Triple (6014)	192	0.01-2	dyn	High	+14	0	-14	2	+14 to -14	210	1.1	CDIP/plastic
TMS 3401 LC/NC	Single 512	512	0.02-5	dyn	Low	+5	0	-12	2	+5 to -12	70	0.17	TO-100/plastic
TMS 3402 LC/NC	Single 500	500	0.02-5	dyn	Low	+5	0	-12	2	+5 to -12	70	0.17	TO-100/plastic
TMS 3406 LR	Dual 100	200	0.01-2	dyn	Low	+5	0	-12	2			0.4	TO-100
TMS 3409 JC/NC	Quad 80	320	0.05-5	dyn	Low	+5	0	-12	1	0 to +5	250	0.8	CDIP/plastic
TMS 3412 JC/NC	Quad 256	1024	0.01-6	dyn	Low	+5	0	-12	1	+5 to -12	100	0.1	CDIP/plastic
TMS 3413 LC/NC	Dual 512	1024	0.01-6	dyn	Low	+5	0	-12	1	+5 to -12	100	0.1	TO-100/plastic
TMS 3414 LC/NC	Single 1024	1024	0.01-6	dyn	Low	+5	0	-12	1	+5 to -12	100	0.1	TO-100/plastic
TMS 3417	Quad 64	256	0.05-5	dyn	Low	+5	0	-12	1	0 to +5	210	0.8	CDIP/plastic
TMS 3419 JC/NC	9 x 128	1024	0.01-3	dyn	Low	+5	0	-12	1	0 to +5	600	0.6	CDIP/plastic

RAMs	Organization	Decode	Logic	ϕ	V_T	Access (ns)	Cycle Time (ns)	Refresh (ms)	Power Supply				Power Dissipation		Package	Pins
									V_{DD}	V_{SS}	V_{CC}	V_{BB}	Total	mW/bit		
TMS 1101 JC/NC	256 x 1	yes	stat	—	Low	750	800	NA	-10	+5	-10		480	2	CDIP, plastic	16
TMS 1103 NC	1024 x 1	yes	dyn	3	Low	300	580	2	0	+17			300	0.3	Plastic	18
TMS 4000 JC/NC	16 x 8	no	stat	—	High	80	150	NA	-12	0	-12		120	1	CDIP/plastic	40
TMS 4003 JC/NC	256 x 1	no	stat	—	High	60	120	NA	-18	0			300	1	CDIP/plastic	40
TMS 4020 JC/NC	1024 x 2	yes	dyn	2	Low	320	640	2	-16	0	+2		300	0.15	Plastic	24/22
TMS 4022 JC/NC	1024 x 1	yes	dyn	2	Low	650	1000	2	-20	0	+2		180	0.18	CDIP/plastic	24/22
TMS 4023 JC/NC	1024 x 1	yes	dyn	4	Low	500	900	2	-20	0	+2		80	0.08	CDIP/plastic	24/22
TMS 4025 JC/NC	1024 x 2	yes	dyn	3	Low	280	640	2	-16	0	+2		160	0.08	Plastic	24
TMS 4026 NC	64 x 4	yes	stat	—	Low	1000	1500	NA	-5	+5	-15		650	2.5	Plastic	28

ROMs	Organization	Bits	Access (ns)	V_T	Power			Power (mW at 1 MHz)	CDIP/Plastic Pkg No. of Pins
					V_{SS}	V_{DD}	V_{CC}		
TMS 2000 JC/NC	Programmable Logic Array	3840	3000	Low	+5	0	-12	350	40
TMS 2200 JC/NC	Programmable Logic Array	5482	3000	Low	+5	0	-12	350	28
TMS 2300 JC/NC	256 x 10 ROM	2560	550	Low	+5	0	-12	300	24
TMS 2400 JC/NC	64 x 7 x 5 ROM	2240	700	High	+14	0	-14	350	28
TMS 2403 JC/NC	USASCHII 7 x 5 CG	2240	700	High	+14	0	-14	350	28
TMS 2404 JC/NC	EBCDIC 7 x 5 CG	2240	700	High	+14	0	-14	350	28
TMS 2500 JC/NC	256 x 10 or 512 x 5 ROM	2560	350	Low	+5	0	-12	270	24
TMS 2501 JC/NC	64 x 7 x 5 USASCHII CG	2500	350	Low	+5	0	-12	270	24
TMS 2600 JC/NC	256 x 8 or 512 x 4 ROM	2048	900	High	+12	0	-12	200	24
TMS 2601 JC/NC	Test Pattern	2048	900	High	+12	0	-12	200	24
TMS 2602 JC/NC	USASCHII-to-Selectric, Selectric-to-USASCHII	2048	900	High	+12	0	-12	200	24
TMS 2603 JC/NC	EBCDIC-to-USASCHII	2048	900	High	+12	0	-12	200	24
TMS 2604 JC/NC	USASCHII-to-Selectric and EBCDIC	2048	900	High	+12	0	-12	200	24
TMS 2605 JC/NC	Quick Brown Fox	2048	900	High	+12	0	-12	200	24
TMS 2700 JC/NC	256 x 12 ROM	3072	900	Low	+5	0	-12	350	28
TMS 2800 JC/NC	256 x 4 ROM	1024	900	High	+12	0	-12	180	16
TMS 2801 JC/NC	Priority Encoder	1024	900	High	+12	0	-12	180	16
TMS 2900 JC/NC	128 x 10 or 156 x 5	1280	700	Low	+5	0	-12	250	24
TMS 4100 JC/NC	64 x 5 x 7 or 32 x 5 x 14	2240	700	High	+14	0	-14	280	28
TMS 4103 JC/NC	USASCHII 7 x 5 CG	2240	700	High	+14	0	-14	280	28

New semiconductors expand your broad choice at TI.



The thrust in computer interface — more circuits to do more jobs.

Thirteen new interface circuits have been announced by TI in the past few months: 4 sense amps, 2 line circuits, 2 memory drivers, and 5 general purpose drivers.

TI's total computer interface IC line—broadest in the industry—now includes 32 separate functions. And it's still growing and improving. These compatible functions are specifically designed to reduce costs, connections, package counts and design time—while increasing interface performance. Here's the latest wrap-up:

Sense amps — now, inverted outputs

Just added to TI's sense amp selection are four new devices having an output gate which provides an inverted output. Designated SN-75234, 235, 238 and 239, they are general purpose functions having identical pin-outs and features as the popular SN7524, 25, 28 and 29. In addition, they are internally-compensated.

Completing your current choice of 14 sense amps are the SN7520, 21, 22, 23, 26 and 27.

General purpose drivers — new, improved models

Significant advancements have recently taken place in TI's choice of general purpose peripheral drivers. Three new devices have been added—the SN75452, SN75453 and SN75454—while the new SN75450A and SN75451A represent distinct improvements over previous versions, including

logic input clamping diodes and improved output breakdown voltage. Each features a minimum transistor collector-emitter breakdown voltage of 30 V.

New memory drivers shrink PC boards

Two new TI memory drivers can reduce PC board area as much as 20% when replacing discrete circuitry.

The 600-mA SN75325 is designed primarily for use with 2½ D and 3 D core memories. The 600-mA SN75308 is an eight-transistor array for two-dimension memory systems.

TI's IC memory line also includes the 400-mA SN75324 with on-chip decoding and the 150-mA SN75303 monolithic transistor array.

Line circuits for cooler MODEMS

Most EIA-compatible ICs suffer severe heat build-up problems, but TI's SN75150 dual line driver and SN75154 quad line receiver cool that headache. *Both meet all EIA RS-232-C specs completely.* The SN75150 can endure sustained shorts to ground or any voltage up to ±25 V.

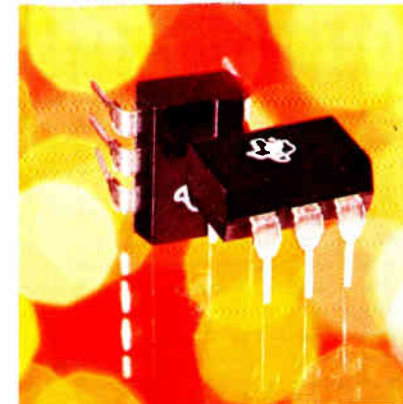
And broadening your choice are the SN75107/SN75108, SN75100 and SN75109/SN75110 for data transmission applications.

For complete information on any TI interface circuit, circle 283 on the Reader Service Card.



Optoelectronics

New optical couplers in low-cost, reliable 6-pin plastic DIP.



TI's two newest optically coupled isolators are in a new 6-pin dual-in-line plastic package—which pays off for you in lower component costs and lower assembly costs.

These two new couplers—TIXL111 and TIXL112—can be handled with the same automated assembly equipment and can use the same sockets and PC board design as the most popular IC packages.

TI's new TIXL111 has an input-to-output voltage of ±1.5 kilovolts and is DTL/TTL compatible. Price is \$3.35 (100-999).

The TIXL112, with ±500 volts isolation, is industry's lowest priced coupler. Only \$1.70 in 100-999 quantities.

The new couplers are suitable for use as solid-state relays, for voltage isolation, as interface devices between systems, and as line driver/receiver combinations.

For data sheets on the TIXL111 and TIXL112, circle 287 on the Reader Service Card.

Power transistors

Nine new HV types have glass-passivated chip for greater reliability.

You'll get superior performance from all of TI's new high-voltage transistors. A glass passivated

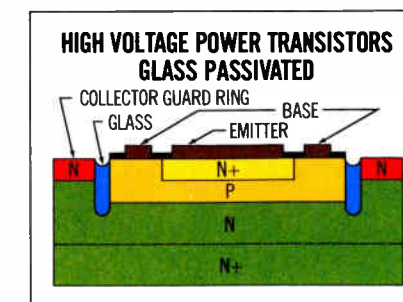
	V _{CE}	Continuous Collector Current	Package
2N3902	400 V	2.5 A	TO-3
2N3583	250 V	1 A	TO-66
2N3584	330 V	2 A	TO-66
2N3585	440 V	2 A	TO-66
2N3540	440 V	2 A	TO-66
2N3439	450 V	1 A	TO-5
2N3440	300 V	1 A	TO-5
2N5157	700 V	3.5 A	TO-3
2N5241	400 V	5 A	TO-3

chip (see drawing) provides a protected collector-base junction that increases reliability and lowers leakage. It also better equips each device to handle inversion.

And this unique chip combines with the collector guard ring to heighten temperature stability. The 2N3902, for instance, will pass such reliability requirements as MIL-S-19500/371 which calls for 300 V_{CE} at 150°C reverse bias test for 48 hours.

TI's new high-voltage power transistors are useful in direct rectified line operations as inverters, converters, amplifiers and switches.

For data sheets on all nine, circle 288 on the Service Card.



For more information on any TI product, call your local TI sales engineer or authorized distributor. Or write Inquiry Answering Service, Texas Instruments Incorporated, P.O. Box 5012, M.S. 308, Dallas, Texas 75222.

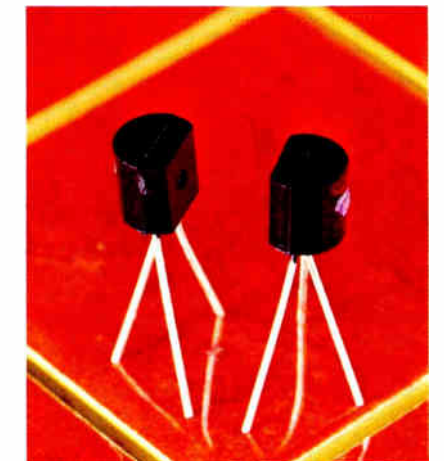
TEXAS INSTRUMENTS
INCORPORATED

Transistors

Darlington connections boost h_{FE} to new highs for single package devices.

At best, a single, volume-produced bipolar transistor can produce a maximum h_{FE} of 1000. That's just the *minimum* for TI's new 2N5526. And for our new 2N5525, the minimum h_{FE} is 5000.

Both are NPN Darlington-connected epitaxial planar silicon transistors. Each has high input



impedance to prevent circuit loading; high gain over a wide range of collector current up to 200 mA; plus all the cost-, labor- and space-saving advantages inherent in using one package instead of two.

You can put these benefits to work in such applications as high gain-low noise audio preamps; complementary output pair drivers; remote control amplifiers where space is critical; high gain DC amplifiers; strain gauge amplifiers; and sensing amps for power supplies.

For data sheet, circle 289 on the Reader Service Card.

