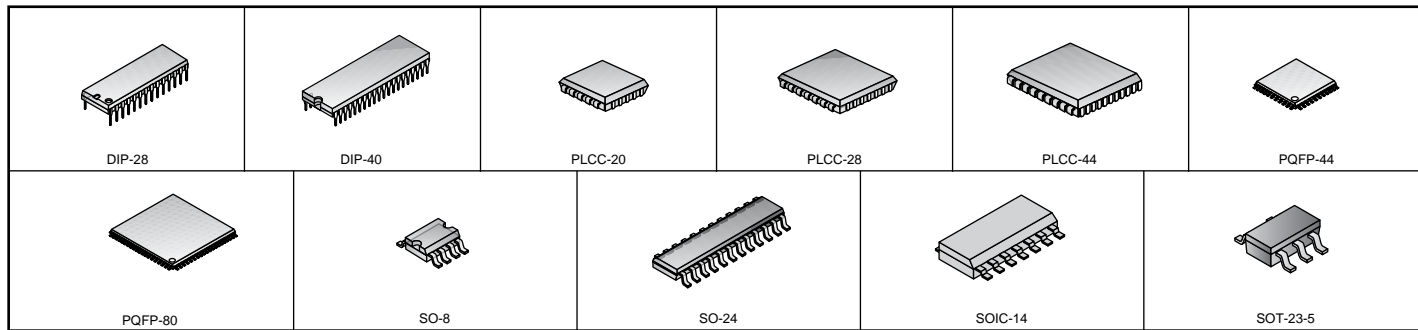


# SUPERTEX High Voltage Driver/Interface Integrated Circuits *Supertex*

Products may be RoHS compliant.  
Check mouser.com for RoHS status.



Analog ICs  
Supertex

## SINK ONLY OUTPUTS – OPEN DRAIN N-CHANNEL

◆ Surface Mount Device



RoHS Compliant

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Supertex Part No.	Package	Output Channel	Output Voltage (V)	Output Current per Channel (mA)	Direction	Logic Configuration	Price Each			
								1	100	500	1000
◆ 689-HV5622PG-G	HV5622PG-G	PQFP-44	32	+220	100	CW	Serial to parallel converter with latches, polarity and blanking				
◆ 689-HV5222PG-G	HV5222PG-G	PQFP-44	32	+225	100	CW	Serial to parallel converter with output enable and strobe				

## SOURCE / SINK OUTPUTS - PUSH-PULL

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Supertex Part No.	Package	Output Channel	Output Voltage (V)	Output Current per Channel (mA)	Direction	Logic Configuration	Output Structure	Clock Rate (MHz)	Bits	Outputs On	Price Each			
												1	100	500	1000
◆ 689-HV508LG-G	HV508LG-G	SO-8	1	+45 +6	-400 HV +10 LV +400 sink	---	H-bridge output with two output	Push-Pull	---	---	---				
◆ 689-HV513WG-G	HV513WG-G	SO-24	8	+250	±20	CW	Serial to parallel converter with latches, polarity, blanking, Hi-Z and short circuit detect	Push-Pull	8	1	All				
◆ 689-HV6810PJ-G	HV6810PJ-G	PLCC-20	10	+80	-25 / +100uA	CW	Serial to parallel converter with latches and blanking	Push-Pull	5	1	All				
689-HV5812P-G	HV5812P	DIP-28	20	+60	-25 +2	CW	Serial to parallel converter with latches, blanking and strobe	Push-Pull	5	16	All				
◆ 689-HV5812PJ-G	HV5812PJ-G	PLCC-28	20	+60	-25 +2	CW	Serial to parallel converter with latches, blanking and strobe	Push-Pull	5	16	All				
◆ 689-HV66PG-G	HV66PG-G	PQFP-44	32	+60	±5	B	Serial to parallel converter with latches, polarity, blanking and backplane	Push-Pull	5	1	All				
689-HV518P-G	HV518P-G	DIP-40	32	+80	-25 +1	CW	Serial to parallel converter with latches, enable and strobe	Push-Pull	6	1	All				
◆ 689-HV518PJ-G	HV518PJ-G	PLCC-44	32	+80	-25 +1	CW	Serial to parallel converter with latches, enable and strobe	Push-Pull	6	1	All				
◆ 689-HV9308PJ-G	HV9308PJ-G	PLCC-44	32	+80	-20 / +5	CW	Serial to parallel converter with latches and output enable	Push-Pull	8	1	All				
◆ 689-HV9708PJ-G	HV9708PJ-G	PLCC-44	32	+80	-20 / +5	CW	Serial to parallel converter with latches, polarity and blanking, VDD= 5V	Push-Pull	8	1	All				
◆ 689-HV57708PG-G	HV57708PG-G	PQFP-80	64	+80	-15 +12	B	EL driver with latches, blanking and polarity with four 16-bit shift registers	Push-Pull	6	4	All				
◆ 689-HV57908PG-G	HV57908PG-G	PQFP-80	64	+80	-15 +12	B	EL or plasma driver w/latches, blanking and polarity, single shift register	Push-Pull	8	1	All				
◆ 689-HV507PG-G	HV507PG-G	PQFP-80	64	+300	±1.0	B	Serial to parallel converter with latches, polarity and blanking	Push-Pull	8	1	All				

## SUPERTEX DRIVERS

### Supertex 24V/48V Fan Driver/Controller



RoHS Compliant

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Supertex Part No.	Package	Input Voltage Range	Supply Current Max (mA)	Oscillator Frequency Max (Hz)	High Voltage Supply		Operating Temperature (°C)	Rise Time Max (ns)	Fall Time Max (ns)	Price Each			
						Min (V)	Max (V)				1	100	500	1000
◆ 689-HV7100NG-G	HV7100NG-G	SOIC-14	+16 to +90V	4	100k	16	75	-40 to +85	100	100				



RoHS Compliant

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Supertex Part No.	Package	Supply Voltage Range	Output Voltage @ Max V <sub>SENSE</sub>			Output Pin Res. Typ (kΩ)	I <sub>LOAD</sub> Max (mA)	Output Rise Time (10%-90%) Typ (µs)	Output Fall Time (90%-10%) Typ (µs)	Price Each			
				Min (mV)	Max (mV)	V <sub>SENSE</sub>					1	100	500	1000
◆ 689-HV7800K1-G	HV7800K1-G	SOT-23-5	+8.0 to 450V	490	510	500mV	3.3	±10	0.7	0.7				