

# A - SEMICONDUCTORES

## CIRCUITOS INTEGRADOS

### MICROPROCESADORES Y PERIFERICOS

#### LINEA MOTOROLA



CODIGO	DESCRIPCION
16C550	UART
MC68HC705-C8P	8 BIT MCU W/PARALELL I/O
MC68HC705KJ1-CP	8 BIT MCU 1K PROM 512 RAM
MC68HC908GP32CB	8 BIT MCU SDIP42
MC68HC908GP32CF	8 BIT MCU PQFP44
MC68HC908GP32CP	8 BIT MCU DIP40
MC68HC908JK1CP	8 BIT MCU
MC68HC908JK3CP	8 BIT MCU
MC68HC908MR16CF	8 BIT MCU
MC68HRC705-KJ1	8 BIT MCU

#### LINEA MICROCHIP



CODIGO	DESCRIPCION
PIC12C508-04/P	8 BIT MCU
PIC12C509A-04/P	8 BIT MCU
PIC12CE519-04/P	8 BIT MCU
PIC12F629-I/P	8 BIT MCU 1K FLASH 64 RAM
PIC12F675-I/P	IDEM PIC16F629 CON AD
PIC16C54C-04/P	8 BIT MCU 512 OTP 25 RAM I/O
PIC16C54XT/P	8 BIT MCU 512 OTP 25 RAM I/O
PIC16C56RC/P	8 BIT MCU 1K OTP RAM I/O
PIC16C57C-04/P	8 BIT MCU 2K OTP 72 RAM I/O
PIC16C57RC/P	8 BIT MCU 2K OTP 72 RAM I/O
PIC16C62-04/SP	8 BIT MCU 2K OTP 128 RAM I/O
PIC16C63A-04/P	8 BIT MCU 2K OTP 256 RAM I/O
PIC16C711-04/P	8 BIT MCU 1K OTP 68 RAM I/O
PIC16C711-04/SO	8 BIT MCU 1K OTP 68 RAM I/O SM
PIC16F57-I/P	8 BIT MCU 2K OTP 72 RAM I/O
PIC16F627-04/P	8 BIT MCU 1K FLASH 224 RAM
PIC16F628A-I/P	8 BIT MCU 2K FLASH 224 RAM
PIC16F630-I/P	8 BIT MCU 1K FLASH 64 RAM
PIC16F84-04/P	8 BIT MCU 1K FLASH 68 RAM
PIC16F84A-04/SO	IDEM PIC16F84A-04 SMD
PIC16F873-4I/SP	8 BIT MCU 4K FLASH 192 RAM AD
PIC16F873A-I/SP	8 BIT MCU 4K FLASH 192 RAM AD
PIC16F877A-I/P	8 BIT MCU 8K FLASH 368 RAM AD
PIC16F88-I/P	8 BIT MCU 7K FLASH 368 RAM
PIC18F252-I/SP	8 BIT MCU 16K FLASH 768 RAM AD
PIC18F2550-I/SP	8 BIT MCU32KFLASH 2KRAM AD USB
PIC18F452-I/P	8 BIT MCU 16K FLASH 10-BIT A/D
PIC18F4550-I/P	8 BIT MCU32KFLASH 2KRAM AD USB
PIC18F4620-I/P	8 BIT MCU 32K FLASH 4K RAM AD

**LINEA ATMEL**

CODIGO	DESCRIPCION
AT89C2051-24PC	MCU2K 8BIT RAM 128X8 2TIM UART
AT89C4051-24PI	MCU4K 8BIT RAM 128X8 2TIM UART
AT89C51-20PC	MCU4K 8BIT RAM 128X8 2TIM UART
AT89C51RC-24PI	MCU33K 8BIT RAM 512X8 3TIM UAR
AT89C52-20PC	MCU8K 8BIT RAM 256X8 3TIM UART
AT89C55WD-24PI	MCU20K RAM256X8 3TIM UART
AT89S52-24PI	MCU8K 8 BIT RAM256X8 3TIM UART
AT89S8252-24PC	MCU8K 8 BIT RAM256X8 3TIM UART
AT89S8253-24PU	MCU12K 8BIT RAM256X8 3TIM UART
AT90S1200-12SC	8 BIT MCU 1K FLASH 32 RAM
ATMEGA128-16AU	MCU 128K 512X8RAM TIM UART
ATMEGA162-16AU	MCU 16K 128X8RAM 2 TIM UART
ATMEGA168V-10PI	MCU 16K 128X8RAM 2 TIM AD UART
ATMEGA16L-8PI	MCU 16K 128X8RAM 2 TIM AD UART
ATMEGA32L-8PI	MCU 32K 256X8RAM 2 TIM AD UART
ATMEGA48V-10PI	MCU 4K 64X8RAM 2 TIM AD UART
ATMEGA8515-16JI	MCU8K PLCC 8 BIT RAM512X8 UART
ATMEGA8515-16PI	MCU8K 8BIT RAM 512X8 2TIM UART
ATMEGA8535L-8PI	MCU 8K 64X8 RAM 2 TIM AD UART
ATMEGA8A-PU	MCU8K RAM 128 X 8 2TIM AD UART
ATMEGA8L-8PI	MCU8K RAM 128 X 8 2TIM AD UART
ATMEGA8L-8PU	MCU8K RAM 128 X 8 2TIM AD UART
TINY22L-1SI	MCU2K SMD 8 BIT RAM 128X8 1TIM
TINY2313-20PU	8 BIT MCU 2K FLASH 128 RAM
TINY2313-20SU	8 BIT MCU 2K FLASH 128 RAM
TINY45-20SU	MCU4K SMD 8 BIT RAM 256X8 2TIM
TINY85-20SU	MCU8K SMD 8 BIT RAM 512X8 2TIM

**LINEA INTEL**

CODIGO	DESCRIPCION
8243	INPUT OUTPUT PORT EXP
8085AP-2	8 BIT MPU
80C31	8 BIT MCU 128 RAM TIMER I/O CM
80C32AH	8 BIT MCU 256 RAM TIMER I/O CM
80C85	8 BIT MPU CMOS
81C55	RAM TIMER I/O PORTS CMOS
82C43	INPUT OUTPUT PORT EXP CMOS
82C51	USART CMOS
82C53	PROGRAMMABLE INTERVAL TIMER
82C54	PROGRAMMABLE INTERVAL TIMER
82C55	PROGRAMM PERIPH INTERFACE CMOS
8752H	8 BIT MCU W/EPROM
D87C52	8 BIT MCU W/EPROM CMOS
P87C51	8 BIT MCU W/PROM PLASTIC CMOS

**LINEA ZILOG**

CODIGO	DESCRIPCION
Z80ACPU	8 BIT MPU
Z80ACTC	PROGRAMM COUNTER/TIMER
Z80ADART	SERIAL DATA COMUNICATOR
Z80APIO	PROGRAM PERIPH INTERFACE
Z80ASIO/2	SERIAL I/O CONTROLLER

**PERIFERICOS VARIOS**

CODIGO	DESCRIPCION
58167	REAL TIME CLOCK
DS1232LP	LOW POWER MICROMONITOR CHIP
DS1233-10	RESET 5V
DS12C887	REAL TIME CLOCK DIP24
DS1302	REAL TIME CLOCK SERIAL
DS1305	REAL TIME CLOCK SERIAL
DS1307	REAL TIME CLOCK SERIAL 64X8
DS14287	REAL TIME CLOCK W/NV RAM
DS1833-10	ECONO RESET 5V
DS2401	SILICON SERIAL NUMBER TO-92
FT232BL	USB UART LQFP
FT245BL	USB FIFO LQFP-32
HT1380	REAL TIME CLOCK SERIAL
HT7044A	UNDER VOLTAGE SENSING CIRCUIT
ICL7665	DUAL OVER/UNDER VOLTAGE DETEC.
MAX690CPA	MICROPROCESSOR WATCHDOG
MAX691	MICROPROCESSOR WATCHDOG
MC33064P-5	UNDER VOLTAGE SENSING CIRCUIT
MC34064P-5	UNDER VOLTAGE SENSING CIRCUIT
PCF8583P	CLOCK CALENDAR W/ 240 X 8 RAM
SCN2681	DUART

**MEMORIAS****EEPROM**

CODIGO	DESCRIPCION
24C02	2KBIT SERIAL EEPROM CMOS
24C02-SMD	24C02 SMD SO-8
24C04	4KBIT SERIAL EEPROM CMOS
24C08	8KBIT SERIAL EEPROM CMOS
24C16	16KBIT SERIAL EEPROM CMOS
24C16-SMD	24C16 SMD TSSOP-8
24C256-10PC-2.7	256KBIT SERIAL EEPROM 2.7V
24C512-10PI-2.7	512KBIT SERIAL EEPROM 2.7V
24C64-10PI	64KBIT SERIAL EEPROM
24LC256	256KBIT SERIAL EEPROM
28C256	256K (32KX8) EEPROM CMOS
28C64	64K ( 8KX8) EEPROM CMOS
28C65	64K ( 8KX8) EEPROM CMOS
93C46-10PC-2.7	1KBIT SERIAL CMOS 2.7V
93C66	4KBIT SERIAL CMOS
93C86-10PC-2.7	8KBIT SERIAL CMOS
93C86-SMD	8KBIT SERIAL CMOS SMD
93LC46	1KBIT SERIAL CMOS
93LC46-SMD	93LC46 SMD SO-8
93LC66	4KBIT SERIAL CMOS
93LC86	8KBIT SERIAL CMOS

**EPROM**

CODIGO	DESCRIPCION
2716	16K ( 2K X 8) EPROM
2732	32K ( 4K X 8) EPROM
2764-A	64K ( 8K X 8) EPROM



27C1001	1M (128K X 8) EPROM CMOS
27C2001	2M (256K X 8) EPROM CMOS
27C256	256K ( 32K X 8) EPROM CMOS
27C4001	4M (512K X 8) EPROM CMOS
27C512	512K ( 64K X 8) EPROM CMOS
27C64	64K ( 8K X 8) EPROM CMOS
27C8001	8M (1024K X 8) EPROM CMOS

**RAM****HITACHI****MOTOROLA**

CODIGO	DESCRIPCION
44256-70	256K X 4 DRAM
6116LP-2	2K X 8 SRAM CMOS
62256LP-10	32K X 8 SRAM CMOS
6264LP-10	8K X 8 SRAM CMOS
681000ALP-70	128K X 8 SRAM CMOS

**PROM****PHILIPS**

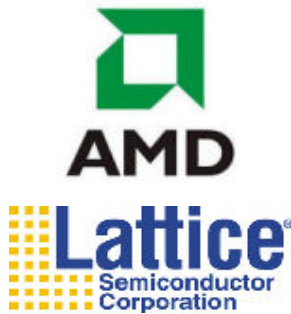
CODIGO	DESCRIPCION
27C1001R	1M (128K X 8) OTP
27C256R	256K ( 32K X 8) OTP
27C256R-PLCC	256K ( 32K X 8) OTP PLCC
27C512R	512K ( 64K X 8) OTP
W27C512-45Z	512K ( 64K X 8) OTP

**FLASH**

CODIGO	DESCRIPCION
AT29F010B-120PC	MEMORIA FLASH 1MB
P28F010-150	1024K HIGH SPEED FLASH ROM

**INTERFACES**

CODIGO	DESCRIPCION
75150	DUAL RS232 LINE DRIVER
75154	QUAD RS232 LINE RECEIVER
75174	QUAD DIFFERENTIAL RS422/485 DR
75176	MULTI PORT RS485 TRANSCEIVER
26C31-SMD	RS422/3 QUAD DIFF LINE DR SMD
26C32-SMD	RS422/3 QUAD DIFF LINE RCV SMD
26LS31	RS422/3 QUAD DIFF LINE DRIVER
26LS31-SMD	26LS31 SMD SO-16
26LS32	RS422/3 QUAD DIFF LINE RECEIVE
26LS32-SMD	26LS32 SMD SO-16
75176-SMD	MULTI PORT RS485 TRANS. SMD
MAX3232	DRIVER IDEM TSC232 SUPPLY 3V
MAX3491	RS485/422 TRANS SUPPLY 3V
MAX485CPA	RS485/422 TRANS LOW POWER
MC1488	RS232C QUAD LINE DRIVER
MC1489	RS232C QUAD LINE RECEIVER
MC14C88	RS232C QUAD LINE DRIVER CMOS
MC14C89	RS232C QUAD LINE RECEIVER CMOS
TSC232	DRIVER RS232C
TSC232-SMD	DRIVER RS232C SMD



## CONVERSORES AD/DA

CODIGO	DESCRIPCION
ADC0804	8 BIT A/D CONVERTER
ADC0808	8 BIT A/D W/8 CHANNEL MULTIP
ADC0809	8 BIT A/D W/8 CHANNEL MULTIP
ADC0831	8 BIT A/D CONVERTER SERIAL
ADC0834	8 BIT A/D CONVERTER SERIAL
ADS574KP	12 BIT A/D CONVERTER
CA3161	DECODER/DRIVER
CA3162	ANALOG DIGITAL CONVERTER
DAC0808	8 BIT CMOS D/A CONVERTER
DAC0830	8 BIT DOUBLE BUFFER D/A CONV
ICL7106	3 1/2 DIGIT LCD A/D CONVERTER
ICL7106R	IDEM ICL7106 PIN OUT INVERSO
ICL7107	3 1/2 DIGIT LED A/D CONVERTER
ICL7109CPL	12 BIT A/D CONVERTER
ICL7117	3 1/2 DIGIT LED ADC W/HOLD
ICL7135	4 1/2 DIGIT BCD OUTPUT ADC
MC14433	3 1/2 DIGIT BCD OUTPUT ADC

## GALS/PALS

CODIGO	DESCRIPCION
GAL16V8-15	GENERIC PROGRAM ARRAY LOGIC
GAL20V8-15	GENERIC PROGRAM ARRAY LOGIC
GAL20V8-25	GENERIC PROGRAM ARRAY LOGIC
GAL22V10-15	GENERIC PROGRAM ARRAY LOGIC
PAL16L8	PROGRAMMABLE LOGIC ARRAY
PAL22V10-15	PROGRAMMABLE LOGIC ARRAY
PEEL18CV8P-25	GAL ELECTRICALLY ERASABLE

## REGULADORES Y REF. DE TENSION / SWITCHING

CODIGO	DESCRIPCION
7805	+ 5V 1.5A TO220 VOLT REGULATOR
7806	+ 6V 1.5A TO220 VOLT REGULATOR
7808	+ 8V 1.5A TO220 VOLT REGULATOR
7809	+ 9V 1.5A TO220 VOLT REGULATOR
7810	+ 10V 1.5A TO220 VOLT REGULATOR
7812	+ 12V 1.5A TO220 VOLT REGULATOR
7815	+ 15V 1.5A TO220 VOLT REGULATOR
7818	+ 18V 1.5A TO220 VOLT REGULATOR
7824	+ 24V 1.5A TO220 VOLT REGULATOR
7905	- 5V 1.5A TO220 VOLT REGULATOR
7906	- 6V 1.5A TO220 VOLT REGULATOR
7908	- 8V 1.5A TO220 VOLT REGULATOR
7909	- 9V 1.5A TO220 VOLT REGULATOR
7910	- 10V 1.5A TO220 VOLT REGULATOR
7912	- 12V 1.5A TO220 VOLT REGULATOR
7915	- 15V 1.5A TO220 VOLT REGULATOR
7805CK	+ 5V 1.5A TO-3 VOLT REGULATOR
7812CK	+ 12V 1.5A TO-3 VOLT REGULATOR
7824CK	+ 24V 1.5A TO-3 VOLT REGULATOR
78L05	+ 5V 0.1A TO-92 VOLT REGULATOR
78L05-SMD	78L05 SMD SO8
78L06	+ 6V 0.1A TO-92 VOLT REGULATOR
78L08	+ 8V 0.1A TO-92 VOLT REGULATOR



78L09	+ 9V 0.1A TO-92 VOLT REGULATOR
78L12	+ 12V 0.1A TO-92 VOLT REGULATOR
78L15	+ 15V 0.1A TO-92 VOLT REGULATOR
78M05-SMD	+ 5V 0.5A D-PAK VOLT REGULATOR
79L05	- 5V 0.1A TO-92 VOLT REGULATOR
79L05-SMD	79L05 SMD (SO-8)
79L12	-12V 0.1A TO-92 VOLT REGULATOR
AIC1117-33CY	LOW DROP REG 3.3V 800MA SOT223
AIC1117-33PT	LOW DROP REG 3.3V 800MA TO-220
ICL7660	DC TO DC CONVERTER 5V TO -5V
ICL7662CPA	DC TO DC CONVERTER 15V TO -15V
ICL8069	1.2V VOLTAGE REFERENCE
L4960	SWITCHING REGULATOR
L4962	SWITCHING REGULATOR
LM2574	SIMPLE SWITCHER 0.5A
LM2575T-12	SWIT STEP-DOWN VOLT REG 12V 1A
LM2575T-3.3	SWIT STEP-DOWN VOLT REG 3.3 1A
LM2575T-5.0	SWIT STEP-DOWN VOLT REG 5V 1A
LM2575T-ADJ	SWIT STEP-DOWN VOLT REG ADJ 1A
LM2576T-5.0	SWIT STEP-DOWN VOLT REG 5V 3A
LM2577T-ADJ	SWIT STEP-DOWN VOLT REG ADJ 3A
LM2676T-ADJ	SWIT STEP-DOWN VOLT REG ADJ 3A
LM2931AT-5.0	+ 5V 100MA TO220 LOW DROP REGUL
LM2940CT-12	LOW DROPOUT REG 12V 1A TO-220
LM2940CT-5.0	LOW DROPOUT REG 5V 1A TO-220
LM317LZ	POS ADJUSTABLE 1.2V-37V 100MA
LM317T	POS ADJUSTABLE 1.2V-37V 1.5A
LM323K	+ 5V 3A TO-3 VOLT REGULATOR
LM336Z-2.5	VOLT REFERENCE 2.5V
LM336Z-5.0	VOLT REFERENCE 5.0V
LM337T	NEG ADJUSTABLE 1.2V-37V 1.5A
LM338K	POS ADJUST. 1.2-32V 5A TO-3
LM338T	POS ADJUST. 1.2-32V 5A TO-220
LM350KSTEEL	POS ADJUSTABLE 3A TO-3
LM350T	POS ADJUSTABLE 3A TO-220
LM385Z-1.2	VOLTAGE REF DIODE 1.2V TO-92
LM385Z-2.5	VOLTAGE REF DIODE 2.5V TO-92
LM723	POS ADJUSTABLE 2-37V 150MA
MAX680CPA	DC TO DC CONVERTER 5V TO +/-10
MC34063AP1	DC/DC CONVERTER 5V TO 40V
MC34166T	POWER SWITCHING REG 5V 3A
MC34167T	POWER SWITCHING REG 5V 3A
SG3524	SWITCHING REGULATOR
SG3525	SWITCHING REGULATOR
TL431CLP	PROGRAMMABLE ZENER TO-92
TL431CP	PROGRAMMABLE ZENER DIP8
TL494	SWITCHING VOLTAGE REGULATOR
TL783C	POS ADJUSTABL 1,25V-125V 700MA
TOP202YAI	3 TERMINAL OFF-LINE PWM SWITCH
TOP245Y	SWITCHING REGULATOR
UC3843N	SWITCHING REGULATOR
UC3844N	SWITCHING REGULATOR

## LINEALES

CODIGO	DESCRIPCION
CA3140	+/-7V BIMOS 4.5MHZ GWB OP AMP
CA3240	+/-15V BIMOS INT COMP DUAL
ICL7650	CHOPPER STABILIZED OP-AMP 14V
KA2201	POWER AMPLIFIER SINGLE 1.2W





LF347	QUAD BIFET WIDE BAND OP AMP
LF351	BIFET WIDE BAND OP AMP
LF353	DUAL BIFET WIDE BAND OP AMP
LF355	BIFET LOW POWER OP AMP
LF355H	BIFET LOW POWER OP AMP METAL
LF356	BIFET WIDE BAND OP AMP
LF356H	BIFET WIDE BAND OP AMP METAL
LF398	MONOLITHIC SAMPLE AND HOLD
LF444	QUAD BIFET LOW POWER OP AMP
LM1458	DUAL COMPLEMENTARY OP AMP
LM2903	DUAL LOW POWER COMPARATOR
LM2904	DUAL LOW POWER OP AMP
LM3046	TRANSISTOR ARRAY NPN
LM308	PRECISION OP AMP LOW OFFSET
LM311	VOLTAGE COMPARATOR
LM324	QUAD OP AMP
LM324-SMD	QUAD OP AMP SMD
LM334	CONSTANT CURRENT SOURCE
LM339	QUAD SINGLE SUPPLY COMPARATOR
LM339-SMD	QUAD SINGLE SUPPLY COMPAR. SMD
LM348	QUAD 741 OP AMP
LM348-SMD	QUAD 741 OP AMP SMD TYPE
LM358	DUAL LOW POWER OP AMP
LM358-SMD	DUAL LOW POWER OP AMP SMD
LM380	1.5W AUDIO POWER AMPLIFIER 14P
LM380-N8	0.6W AUDIO AMPLIFIER 8P
LM386N-1	LOW VOLTAGE AUDIO POWER AMP
LM386N-4	LOW VOLTAGE AUDIO POWER AMP
LM3900	QUAD NORTON OP.AMPLIFIER
LM3900-SMD	LM3900 SMD SO14
LM392	LOW POWER OP AMP/VOLT COMPAR
LM393	DUAL LOW POWER COMPARATOR
LM394H	DUAL TRANSISTOR
LM741	OP AMP
LM747	DUAL 741
OP07CP	PRE OP AMP VOS 150UV
OP177GP	OP AMP LOW NOISE HIGH SLEW RAT
OP27GP	PRE OP AMP LOW NOISE
RC4136	QUAD OP AMP LOW NOISE
TDA2003V	AUDIO AMPLIFIER 10W
TDA2040V	AUDIO AMPLIFIER 20W
TL061	BIFET LOW POWER OP AMP
TL061-SMD	BIFET LOW POWER OP AMP SMD
TL062	DUAL BIFET LOW POWER OP AMP
TL062-SMD	TL062 SMD
TL064	QUAD BIFET LOW POWER OP AMP
TL064-SMD	TL064 SMD SO14
TL071	BIFET OP AMP LOW NOISE
TL072	DUAL BIFET OP AMP LOW NOISE
TL072-SMD	DUAL BIFET OP AMP LO NOISE SMD
TL074	QUAD BIFET OP AMP
TL074-SMD	QUAD BIFET OP AMP SMD
TL081	BIFET OP AMP
TL082	DUAL BIFET OP AMP
TL084	BIFET OP AMP
ULN2003	ARRAY DARLINGTON 5A 50V TTL
ULN2003-SMD	ARRAY DARLINGTON 5A 50V TTL SM
ULN2004	ARRAY DARLINGTON 5A 50V CMOS
ULN2004-SMD	ARRAY DARLINGTON 5A 50V CMOS S

ULN2802	ARRAY DARLINGTON 14-25V PMOS
ULN2803	ARRAY DARLINGTON 5A 50V TTL
ULN2803-SMD	ARRAY DARLINGTON 5A 50V TTL SM
ULN2804	ARRAY DARLINGTON 5A 50V CMOS

## DIGITALES Y COMPUERTAS

### LINEA TTL/LS

CODIGO	DESCRIPCION
7405	HEX INVERTER OPEN COLLECTOR
7406	HEX BUFFERS O C HI VOLTAGE OUT
7407	HEX BUF/DRIVERS OPEN COLLECTOR
74LS00	QUAD 2 INPUT NAND GATE
74LS02	QUAD 2 INPUT NOR GATE
74LS03	QUAD 2 INPUT NAND GATE OP.COL.
74LS04	HEX INVERTER
74LS05	HEX INVERTER W/OPEN COLLECTOR
74LS06	HEX INVERTER BUFFER/DRIVER OC
74LS07	HEX BUF/DRIVERS OPEN COLLECTOR
74LS08	QUAD 2 INPUT AND GATE
74LS10	TRIPLE 3 INPUT NAND GATE
74LS11	TRIPLE 3 INPUT AND GATE
74LS123	DUAL RETRIG MONOS MULTIV W/CLE
74LS125	QUAD BUS BUFFER GATE
74LS132	QUAD 2 INPUT NAND SCHM TRIGGER
74LS138	3 TO 8 DECODER MULTIPLEXER
74LS138-SMD	74LS138 SMD
74LS139	DUAL 2 TO 4 DECODER MULTIPLEXR
74LS14	HEX SCHMITT TRIGGER INVERTER
74LS145	1 OF 10 DEC/DRIV OPEN COLLECT
74LS151	8 TO 1 LINE DATA SELECTOR MULT
74LS153	DUAL 4 INPUT MULTIPLEXER
74LS155	DUAL 1 OF 4 DECODER
74LS156	DUAL 1 OF 4 DECODER/DEMUTPL
74LS157	QUAD 2 TO 1 SEL/MU
74LS161	SYNCHR 4 BIT BINARY COUNTER
74LS163	SYNCHRONOUS 4 BIT BIN COUNT W/C
74LS164	8 BIT PARALLEL OUTPUT SER SHIF
74LS165	8 PARAL IN SERIAL OUT SHI REG
74LS166	8 BIT SHIFT REGISTER
74LS175	D FLIP FLOP QUAD WITH CLEAR
74LS193	SYN 4 BIT UP DOWN COUNTER
74LS194	4 BIT SHIFT REGISTER BIDIREC.
74LS195	4 BIT PARALLEL ACC SHIFT REGIS
74LS20	DUAL 4 INPUT NAND GATE
74LS221	DUAL MONOSTABLE MULTIVIBRATOR
74LS240	OCTAL BUS BUFFER 3 STATE/INV
74LS241	OCTAL BUF LINE DRI REC 3 STATE
74LS244	OCTAL BUFFER
74LS245	OCTAL BUS TRANSCEIVER
74LS251	8 INPUT MULTIPLEXER 3 STATE





74LS257	QUAD 2 INPUT MUX TRISTATE
74LS258	QUAD 2 INPUT MUX TRISTATE INV
74LS259	8 BIT ADDRESSABLE LATCH
74LS27	TRIPLE 3 INPUT NOR GATE
74LS273	8 BIT REGISTER WITH CLEAR
74LS30	8 INPUT NAND GATE
74LS32	QUAD 2 INPUT OR GATE
74LS367	HEX BUS DRIVER
74LS373	OCTAL TRISTATE LATCH
74LS374	OCTAL D TYPE FLIP FLOP
74LS377	OCTAL D TYPE FLIP FLOP W/ENAB
74LS378	HEX D TYPE FLIP FLOP
74LS393	DUAL 4 BIT BINARY COUNTER
74LS399	QUAD 2-IN MULT. W/OUTPUT REGIS
74LS47	BCD TO 7 SEG DEC/DRIVER O.COL.
74LS48	BCD TO 7 SEG.DECODER/DRIVER
74LS540	OCTAL BUFFER AND LINE DRIVER
74LS541	OCTAL BUF AND LINE DRIV 3 ST O
74LS574	OCTAL D TYPE FLIP FLOP
74LS688	COMPARATOR 8 BIT MAGNITUDE
74LS74	DUAL D TYPE FLIP FLOP
74LS75	4 BIT D FLIP FLOP
74LS85	4 BIT MAGNITUDE COMPARATOR
74LS86	QUAD 2 INPUT EXCLUSIVE OR GATE
74LS90	DECADE COUNTER
74LS92	DIVIDE BY TWELVE COUNTER
74LS93	4 BIT BINARY COUNTER
74S133	13 INPUT NAND GATE



#### LINEA CMOS SERIE CD 4000



CODIGO	DESCRIPCION
CD4001	QUAD 2 INPUT NOR GATE
CD4006	18-STAGE STATIC SHIFT REGISTER
CD4009	HEX BUFFER INVERTED
CD40106	HEX SCHMITT TRIGGER
CD40106-SMD	HEX SCHMITT TRIGGER SMD
CD4011	QUAD 2 INPUT NAND GATE
CD40110	DECADE UP/DOWN COUNTER
CD4012	DUAL 4 INPUT NAND GATE
CD4013	DUAL D WITH SET/RESET TYPE
CD4015	DUAL 4 BIT STATIC SHIFT REGIST
CD4017	DECADE COUNTER/DIVIDER
CD4017-SMD	CD4017 SMD
CD40192	DECADE UP/DOWN COUNTER
CD4020	14 STAGE BINARY RIPPLE COUNT
CD4021	8 BIT STATIC SHIFT REGISTER
CD4021-SMD	8 BIT STATIC SHIFT REGISTER SM
CD4025	TRIPLE 3 INPUT NOR GATE
CD4026	DECADE COUNTER DIVIDER
CD4027	DUAL J-K MASTER SLAVE W/SET/RS
CD4028	BCD TO DECIMAL DECODER
CD4029	PRES UP-DOWN COUNTER BIN/BCD
CD4030	QUAD EXCLUSIVE OR GATE
CD4033	DECADE COUNTER DIVIDER
CD4034	8 BIT BIDIR. PAR/SERIAL REGIST
CD4040	12 BIT BINARY RIPPLE COUNTER
CD4042	QUAD CLOCKED D LATCH
CD4042-SMD	QUAD CLOCKED D LATCH SMD





CD4043 QUAD 3 STATE NOR R/S LATCH TRI  
 CD4044 QUAD 3 STATE NAND R/S LATCH  
 CD4046 PHASE-LOCKED LOOP  
 CD4047 MONOSTABLE/ASTABLE MULTIVIBRAT  
 CD4049 HEX INVERTING BUFFER  
 CD4050 HEX BUFFER  
 CD4051 8 CHAN ANALOG MULTIPL DEMULTIP  
 CD4051-SMD 8 CHAN ANALOG MULTIPL DEM. SMD  
 CD4052 DIF 4 CHAN ANALOG MULTIP DEMUL  
 CD4052-SMD CD4052 SMD SO16  
 CD4053 TRIPLE 2 CHANNEL MULT/DEMULTIP  
 CD4053-SMD CD 4053 SMD SO16



CD4060 14 STAGE COUNT/DIV AND OSC  
 CD4066 QUAD BILATERAL SWITCH  
 CD4066-SMD QUAD BILATERAL SWITCH SMD  
 CD4067 16 CHANNEL ANALOG MUX/DEMUX  
 CD4069 HEX INVERTER  
 CD4069-SMD CD4069 SMD



CD4070 QUAD EXCLUSIVE OR GATE  
 CD4071 QUAD 2 INPUT OR GATE  
 CD4072 DUAL 4 INPUT OR GATE  
 CD4073 TRIPLE 3 INPUT AND GATE  
 CD4076 QUAD D TYPE REGISTER  
 CD4077 QUAD EXCLUSIVE NOR GATE  
 CD4081 QUAD 2 INPUT AND GATE  
 CD4081-SMD CD4081 SMD  
 CD4089 BINARY RATE MULTIPLIER  
 CD4093 QUAD 2 INPUT NAND SCHMIT TRIGG  
 CD4094 8 STAGE SHIFT AND STORE BUS RG  
 CD 4094 SMD SO16  
 CD4099 8 BIT ADDRESSABLE LATCH



CD4503 HEX 3 STATE BUFFER  
 CD4504 HEX VOLTAGE LEVEL SHIFTER  
 CD4510 BCD PRESET UP DOWN COUNT  
 CD4511 BCD TO 7 SEGMENT DRIVER  
 CD4511-SMD BCD TO 7 SEGMENT DRIVER SMD  
 CD4512 8 CHANNEL DATA SELECTOR  
 CD4514 4 BIT LATCH 4 TO 16 DECODER  
 CD4515 4 BIT LATCH 4 TO 16 DECODER  
 CD4516 BINARY UP/DOWN COUNTER  
 CD4520 DUAL BINARY UP COUNTER  
 CD4527 BCD RATE MULTIPLIER



CD4538 DUAL PRECISION MONOSTABLE MULT  
 PROGRAMMABLE TIMER/OSCILLATOR  
 CD4541 BCD TO 7 SEGMENT DECODER  
 CD4543 3 DIGIT BCD COUNTER  
 CD4555 DUAL 1 OF 4 DEC/DEMUX OUT HIGH  
 CD4556 BINARY TO 1 OF 4 DECODER  
 CD4584 HEX SCHMITT TRIGGER  
 CD4585 4 BIT MAGNITUDE COMPARATOR

**LINEA CMOS SERIES 74C/74HC/74HCT****HITACHI** **National  
Semiconductor** **SGS-THOMSON  
MICROELECTRONICS****HARRIS**  
**MOTOROLA**

CODIGO	DESCRIPCION
74C922	16 KEY KEYBOARD ENCODER
74C923	20 KEY KEYBOARD ENCODER
74HC00	QUAD 2 INPUT NAND GATE
74HC00-SMD	QUAD 2 INPUT NAND GATE SMD
74HC02	QUAD 2 INPUT NOR GATE
74HC04	HEX INVERTER
74HC04-SMD	HEX INVERTER SMD SO14
74HC05	HEX INVERTER OPEN COLLECTOR
74HC08	QUAD 2 INPUT AND GATE
74HC08-SMD	QUAD 2 INPUT AND GATE SMD
74HC10	TRIPLE 3 INPUT NAND GATE
74HC107	DUAL JK FLIP-FLOP W/RESET
74HC11	TRIPLE 3 INPUT AND GATE
74HC123	2 MULTIVIBRATOR RETRIGGER W/CL
74HC125	QUAD BUS BUFFER 3 STATE
74HC125-SMD	74HC125 SMD SO14
74HC132	QUAD 2 INPUT SCHMITT NAND GATE
74HC138	3 TO 8 LINE MULTIPLEXER
74HC138-SMD	74HC138 SMD SO16
74HC139	DUAL 2 TO 4 LINE MULTIPLEXER
74HC14	HEX SCHMITT TRIGGER INVERTER
74HC14-SMD	74HC14 SMD SO14
74HC151	8 CHANNEL DIGITAL MULTIPLEXER
74HC153-SMD	DUAL 4 INPUT MULTIPLEXER SMD
74HC154	4 TO 16 LINE DECODER/DEMULTIPL
74HC154-W	IDEM 74HC154 WIDE
74HC157	QUAD 2 INPUT MULTIPLEXER
74HC161	BINARY ASYNC COUNTER W/RESET
74HC164	8 BIT SIPO SHIFT REGISTER
74HC165	8 BIT PARAL TO SERIAL REGISTER
74HC175	QUAD D TYPE FLIP FLOP W CLEAR
74HC193	BINARY UP DOWN COUNTER
74HC195	4 BIT PIPO SHIFT REGISTER
74HC20	DUAL 4 INPUT NAND GATE
74HC221	DUAL MONOSTABLE MULTIVIBRATOR
74HC237	3 TO 8 LINE DEC W/AD LATCHES
74HC238	3 TO 8 LINE DEC/DEMULTIPLER
74HC240	OCTAL BUFFER 3 STATE INVERTING
74HC241	OCTAL BUFFER 3 STATE
74HC244	OCTAL BUFFER 3 STATE
74HC244-SMD	OCTAL BUFFER 3 STATE SMD
74HC245	OCTAL BUS TRANSCEIVER 3 STATE
74HC245-SMD	74HC245 SMD SO20
74HC257	QUAD 2 INPUT MULTIPLEX 3 STATE
74HC273	OCTAL D TYPE FLIP FLOP W CLEAR
74HC273-SMD	74HC273 SMD SO20
74HC299	8 BIT UNIV SHIFT/STOR REGISTER
74HC30	8 INPUT NAND GATE
74HC32	QUAD 2 INPUT OR GATE
74HC373	OCTAL D TYPE LATCH 3 STATE
74HC373-SMD	74HC373 SMD SO20



74HC374	OCTAL D TYPE FLIP FLOP 3 STATE
74HC390	DUAL DECADE COUNTER
74HC393	DUAL BINARY COUNTER
74HC393-SMD	DUAL BINARY COUNTER SMD
74HC4020	14 BIT BINARY COUNTER/DIVIDER
74HC4040	12 BIT BINARY RIPPLE COUNTER
74HC4046	PHASE-LOCKED LOOP
74HC4050	HEX BUFFER
74HC4051	8 CHAN ANALOG MULTIPL/DEMUL TIP
74HC4053	TRIPLE 2 CHANNEL MULT/DEMUL TIP
74HC4053-SMD	TRIPLE 2 CHANNEL MULT/DEM SMD
74HC4060	14 BIT BINARY COUNTER
74HC4066	QUAD BILATERAL SWITCH
74HC4520	DUAL BINARY UP COUNTER
74HC541	OCTAL BUF/LINE DRIVER
74HC573	OCTAL D TYPE TRANSP LATCH
74HC574	OCTAL D-TYPE FLIP-FLOP
74HC574-SMD	OCTAL D-TYPE FLIP-FLOP SMD
74HC589	8 BIT SHIFT REGISTER 3-STATE
74HC595	8 BIT SERIAL IN/SERIAL OUT
74HC688	8 BIT MAGNITUDE COMPARATOR
74HC74	DUAL D TYPE FLIP FLOP W PRE CL
74HC74-SMD	74HC74 SMD SO14
74HC75	4 BIT D TYPE LATCH
74HC85	4 BIT COMPARATOR
74HC86	QUAD 2 INPUT EXOR GATE
74HC86-SMD	74HC86 SMD SO14
74HCT00	QUAD 2 INPUT NAND GATE
74HCT00-SMD	QUAD 2 INPUT NAND GATE SMD
74HCT02	QUAD 2 INPUT NOR GATE
74HCT02-SMD	QUAD 2 INPUT NOR GATE SMD
74HCT04	HEX INVERTER BUFFER
74HCT04-SMD	74HCT04 SMD SO14
74HCT05	HEX INVERTER OPEN COLLECTOR
74HCT08	QUAD 2 INPUT AND GATE
74HCT08-SMD	74HCT08 SMD SO14
74HCT138	3 TO 8 LINE MULTIPLEXER
74HCT138-SMD	3 TO 8 LINE MULTIPLEXER SMD
74HCT14	HEX SCHMITT TRIGGER INVERTER
74HCT157	QUAD 2 CHANNEL MULTIPLEXER
74HCT244	OCTAL TRISTATE BUFFER
74HCT244-SMD	74HCT244 SMD SO20
74HCT245	OCTAL TRI STATE TRANSCEIVER
74HCT245-SMD	OCTAL TRI STATE TRANS. SMD
74HCT273	OCTAL D TYPE FLIP FLOP W CLEAR
74HCT32	QUAD 2 INPUT OR GATE
74HCT32-SMD	QUAD 2 INPUT OR GATE SMD
74HCT373	OCTAL D LACHT 3 STATE
74HCT373-SMD	OCTAL D LACHT 3 STATE SMD
74HCT374	OCTAL D FLIP FLOP 3 STATE
74HCT4046	PHASE LOCKED LOOP W/VCO
74HCT4046-SMD	74HCT4046 SMD SO-16
74HCT540	OCTAL BUFFER/LINE DRIVER 3 ST
74HCT541	OCTAL BUF/LINE DRIVER
74HCT573	OCTAL D TYPE TRANSP LATCH
74HCT573-SMD	74HCT573 SMD
74HCT688	8 BIT MAGNITUDE COMPARATOR
74HCU04	HEX INVERTER

# HITACHI



**OPTOACOPLADORES****LITEON®****HARRIS****TOSHIBA**

CODIGO	DESCRIPCION
4N25	OPTO A TRAN VCEO = 30V CTR = 20
4N25-SMD	4N25 SMD
4N26	OPTO A TRAN VCEO = 30V CTR = 20
4N28	OPTO A DARL VCEO = 30V CTR = 10
4N32	OPTO A DARL VCEO = 30V CTR = 500
4N33	OPTO A DARL VCEO = 30V CTR = 500
4N35	OPTO A TRAN VCEO = 30V CTR = 100
4N35-SMD	4N35 SMD
4N36	OPTO A TRAN VCEO = 30V CTR = 100
4N37	OPTO A TRAN VCEO = 30V CTR = 100
4N38	OPTO A TRAN VCEO = 80V CTR = 10
6N135	OPTO A TRAN VCEO = 60V CTR = 10
6N136	OPTO A TRAN VCEO = 60V CTR = 10
6N137	OPTO A TRANS HI SPEED 2500V
CNY17-2	OPTO A TRAN VCEO = 70V CTR = 60
CNY17-3	OPTO A TRAN VCEO = 70V CTR = 100
CNY17-4	OPTO A TRAN VCEO = 70V CTR = 160
CNY17-4-SMD	CNY17-4 SMD
CNY74-2	OPTO A TRAN DOBLE CTR = 100
CNY74-4	OPTO A TRAN CUADR CTR = 100
H11AA1	OPTO A TRAN VCEO = 30V CTR = 20
H11L1	OPTO A SCHMITT-TRIGGER
MOC3011	OPTO A TRIAC V = 250V IFT = 10MA
MOC3020	OPTO A TRIAC V = 400V IFT = 30MA
MOC3021	OPTO A TRIAC V = 400V IFT = 15MA
MOC3021-SMD	MOC3021 SMD SOP-6
MOC3041	OPTO A TRIAC V = 400V IFT = 15MA
MOC3052	OPTO A TRIAC V = 600V IFT = 10MA
MOC3052-SMD	MOC3052 SMD SOP-6
MOC3063	OPTO A TRIAC V = 600V IFT = 5MA
MOC3083	OPTO A TRIAC V = 800V IFT = 5MA
PC817C	OPTO A TRAN SIMPLE CTR = 200
PC827C	OPTO A TRAN DOBLE CTR = 200
PC847C	OPTO A TRAN CUADR CTR = 200
TCST1103	SENSOR OPTICO SALIDA A TRANSIS
TCST2103	SENSOR OPTICO SALIDA A TRANSIS
TLP504A	OPTO A TRAN DOBLE CTR = 50
TLP521-4	OPTO A TRAN CUADR CTR = 50
TLP621-4	OPTO A TRAN CUADR CTR = 50

**CIRCUITOS INTEGRADOS VARIOS****HOLTEK** **HITACHI**

CODIGO	DESCRIPCION
A1101EUA	HALL EFFECT SWITCH
A1104EUA	HALL EFFECT SWITCH
A1203EUA	HALL EFFECT SENSOR
A1302EUA	HALL EFFECT SENSOR
A3144EUA	HALL EFFECT SWITCH
CD22100	4 BY 4 CROSSPOINT SWITCH
CM8870CPI	DTMF RECEIVER
CM8880PI	DTMF RECEIVER/TRANSMITTER
HT12D	DECODER
HT12E	ENCODER
HT9170B	DTMF
HT9170-SMD	DTMF SMD
HT9200A	DTMF



IR2110	MOSFET/IGBT DRIVER
ISD1720P	VOICE RECORD/PLAYBACK 20 SEG
ISD1760P	VOICE RECORD/PLAYBACK 60 SEG
L293D	QUADRUPLE HALF-H DRIVERS
L297	STEPPER MOTOR CONTROLLER
L298	DUAL FULL-BRIDGE DRIVER
LM331	PRECISION VOLTAGE/FREQ.CONV.
LM335AZ	PREC KELVIN TEMP SENSOR
LM35DZ	PREC CENTIGRADE TEMP SENSOR
LM3914	BAR DRIVER
LM555	TIMER CIRCUIT
LM555-SMD	TIMER CIRCUIT SMD
LM556	DUAL TIMER
LM567	TONE DECODE PHASE LOCK LOOP
LM567-SMD	LM567 SMD
LM7555	TIMER CIRCUIT 555 CMOS
MC145026	REMOTE CONTROL ENCODER
MC145027	REMOTE CONTROL DECODER
MC145028	REMOTE CONTROL DECODER
MC145436P	DTMF RECEIVER
MC1496	BALANCED MODULATOR/DEMULATOR
TC9400CPD	VOLT/FREC-FREC/VOLT CONVERTER
TL7705ACP	POWER SUPPLY SUPERVISOR
TLP270G-1	TRIPOLAR OVERVOLTAGE PROT.
TPIC6B595	POWER LOGIC 8-BIT SHIFT REGIST
UDN2987A	8-CHANNEL SOURCE DRIVER
UDN6118	DISPLAY DRIVER
UGN3132U	HALL EFFECT SWITCH ULTRASENS.
UGN3503	HALL EFFECT SENSOR
UM3750	ENCODER/DECODER
UM66T-19	MUSIC GENERATOR
UM95089	DTMF
XR2402P	MODEM CIRCUIT V22 BIS

## TRANSISTORES

### LINEA BC/BD

CODIGO	DESCRIPCION
BC327B	PNP AUDIO 800MA 45V 625MW TO92
BC328B	PNP AUDIO 800MA 25V 625MW TO92
BC337B	NPN AUDIO 800MA 45V 625MW TO92
BC338B	NPN AUDIO 800MA 25V 625MW TO92
BC546B	NPN AUDIO 100MA 65V 500MW TO92
BC547B	NPN AUDIO 100MA 45V 500MW TO92
BC548B	NPN AUDIO 100MA 30V 500MW TO92
BC549B	NPN AUDIO 100MA 30V 500MW TO92
BC557B	PNP AUDIO 100MA 45V 500MW TO92
BC558B	PNP AUDIO 100MA 30V 500MW TO92
BC807-40	PNP 1.2A 45V SMD (SOT-23)
BC817-25	NPN 1.5A 45V SMD (SOT-23)
BC846B	NPN 100MA 60V SMD (SOT-23)
BC847B	NPN 100MA 50V SMD (SOT-23)
BC848B	NPN 100MA 30V SMD (SOT-23)
BC849C	NPN 100MA 60V SMD (SOT-23)
BC857B	PNP 100MA 45V SMD (SOT-23)
BD136	PNP 500MA 45V 6.5 W TO-126



BD137	NPN 500MA 60V 6.5 W TO-126
BD138	PNP 500MA 60V 6.5 W TO-126
BD139	NPN 500MA 80V 6.5 W TO-126
BD140	PNP 500MA 80V 6.5 W TO-126




## LINEA TIP

CODIGO	DESCRIPCION
TIP110	NPN DARLING 2A 60V 50W TO220
TIP112	NPN DARLING 2A 100V 50W TO220
TIP115	PNP DARLING 2A 60V 50W TO220
TIP117	PNP DARLING 2A 100V 50W TO220
TIP120	NPN DARLING 5A 60V 65W TO220
TIP122	NPN DARLING 5A 100V 75W TO220
TIP125	GEN PURPOSE DAR 60V TO220
TIP127	PNP DARLING 5A 100V 65W TO220
TIP142	NPN DARLING 10A 100V TO-3P
TIP142T	NPN DARLING 10A 100V TO-220
TIP147	PNP DARLING 10A 100V TO-3P
TIP147T	PNP DARLING 10A 100V TO-220
TIP2955	PNP 15A 60V 115W TOP-3
TIP29C	NPN 1A 100V 30W (TO66)
TIP3055	NPN 15A 60V 115W TOP-3
TIP30C	PNP 1A 100V 30W (TO66)
TIP31C	NPN 3A 100V 40W (TO-220)
TIP32C	PNP 3A 100V 40W (TO66)
TIP41C	NPN 6A 100V 65W TO-220
TIP42C	PNP 6A 100V 65W TO-220
TIP50	NPN 1A 400V 40W TO-220

## TRANSISTORES DE EFECTO DE CAMPO

CODIGO	DESCRIPCION
2N3819	MOSFET N 25V 50MA RF AMP
2N7000	MOSFET N 60V 200MA 1.90 OHM
BS107	MOSFET N 200V 250MA 14.0 OHM
BS170	MOSFET N 60V 500MA 5.0 OHM
IRF510	MOSFET N 100V 5.6A 0.054 OHM
IRF520	MOSFET N 100V 9.2A 0.270 OHM
IRF530	MOSFET N 100V 14.0A 0.160 OHM
IRF540	MOSFET N 100V 28.0A 0.077 OHM
IRF630	MOSFET N 200V 9.0A 0.400 OHM
IRF640	MOSFET N 200V 18.0A 0.150 OHM
IRF7105-SMD	MOSFET DUAL SMD SO-8
IRF740	MOSFET N 400V 10.0A 0.480 OHM
IRF7425-SMD	MOSFET P 20V 13A 0.013 OHM SMD
IRF830	MOSFET N 500V 4.5A 1,350 OHM
IRF840	MOSFET N 500V 8.0A 0.750 OHM
IRF9530	MOSFET P 100V 12.0A 0.300 OHM
IRF9630	MOSFET P 200V 6.5A 0.800 OHM
IRFD9120	MOSFET P 100V 1.0A 0.600 OHM
IRFP150	MOSFET N 100V 42.0A 0.036 OHM
IRFP450	MOSFET N 500V 14.0A 0.400 OHM
IRFP4710	MOSFET N 100V 72.0A 0.014 OHM
IRFZ24N	MOSFET N 55V 17.0A 0.007 OHM
IRFZ44N	MOSFET N 55V 49.0A 0.017 OHM
IRFZ46N	MOSFET N 55V 53.0A 0.017 OHM
J310	MOSFET N 25V 0.06MA RF AMPLIF
MPF102	JFET N VHF AMPLIFIER




**TRANSISTORES VARIOS**

CODIGO	DESCRIPCION
2N2222	NPN 40V 800MA TO-18
2N3055	NPN POWER AMPLIF COMPL 60V 15A
2N3904	NPN GENERAL PURPOSE AMPLIFIER
2N3906	PNP GENERAL PURPOSE AMPLIFIER
BU208A	NPN 700V 8A 150W TO-3
BU407	NPN 150V 7A TO-220
BUL38D	NPN POWER FAST SWITCHING
MJ11032	NPN DARLINGTON 50A 300W TO-3
MJ11033	PNP DARLINGTON 50A 300W TO-3
MJ15003	NPN 20A 140V 180W TO-3
MJ15004	PNP 20A 140V 180W TO-3
MJ15015	NPN 15A 120V 180W TO-3
MJ15016	PNP 15A 120V 180W TO-3
MJ15024	NPN 16A 250V 250W TO-3
MJ15025	PNP 16A 250V 250W TO-3
MJD127	PNP DARLING 8A 100V 20W D-PAK
MJE13007	NPN 8A 400V 80W TO-220
MJE13009	NPN 12A 400V 110W TO-220
MJE182	NPN 3A 80V 1.5W TO-126
MMBTA42LT1	TRANSISTOR MPSA42 SMD
MMBTA64LT1	TRANSISTOR MPSA64 SMD
MPSA13	NPN 30V 125MA 625MW DARLINGTON
MPSA42	NPN 0.5A 300V 625MW TO92
MPSA92	PNP HIGH VOLT 300MA 300V TO92
MPSH10	NPN VHF AMP 650MHZ 25V 350MW
MRF630	TRANSISTOR DE RF EQUIV MS1649
MS1649	TRANSISTOR RF (EQUIV.MRF630)
MTP3055E	TRANSISTOR 3055 TMOS
PN2222	NPN 40V 500MA TO-92
TISP2290	SIDACTOR

**DIODOS****RECTIFICADORES**

CODIGO	DESCRIPCION
1N4007	DIODO 1A 1000V
1N4007-SMD	1N4007 SMD (DO-214AC)
1N5408	DIODO 3A 1000V
6A08	DIODO 6A 800V
6A10	DIODO 6A 1000V
BAS16	DIODO 200MA 85V SMD SOT-23
S1G	DIODO 1A 400V SMD DO-214

**ZENER**

CODIGO	DESCRIPCION
ZEN-10V	DIODO ZENER 10.0V 500MW
ZEN-11V	DIODO ZENER 11.0V 500MW
ZEN-12V	DIODO ZENER 12.0V 500MW
ZEN-15V	DIODO ZENER 15.0V 500MW
ZEN-18V	DIODO ZENER 18.0V 500MW



ZEN-1W-10V	DIODO ZENER 10.0V 1W
ZEN-1W-12V	DIODO ZENER 12.0V 1W
ZEN-1W-30V	DIODO ZENER 30.0V 1W
ZEN-1W-36V	DIODO ZENER 36.0V 1W
ZEN-1W-39V	DIODO ZENER 39.0V 1W
ZEN-1W-3V3	DIODO ZENER 3.3V 1W
ZEN-1W-3V6	DIODO ZENER 3.6V 1W
ZEN-1W-3V9	DIODO ZENER 3.9V 1W
ZEN-1W-4V7	DIODO ZENER 4.7V 1W
ZEN-1W-5V1	DIODO ZENER 5.1V 1W
ZEN-1W-5V6	DIODO ZENER 5.6V 1W
ZEN-1W-6V2	DIODO ZENER 6.2V 1W
ZEN-1W-6V8	DIODO ZENER 6.8V 1W
ZEN-1W-9V1	DIODO ZENER 9.1V 1W
ZEN-20V	DIODO ZENER 20.0V 500MW
ZEN-22V-5W	DIODO ZENER 22.0V 5W
ZEN-24V	DIODO ZENER 24.0V 500MW
ZEN-2V4	DIODO ZENER 2.4V 500MW
ZEN-2V7	DIODO ZENER 2.7V 500MW
ZEN-30V	DIODO ZENER 30.0V 500MW
ZEN-3V0	DIODO ZENER 3.0V 500MW
ZEN-3V3	DIODO ZENER 3.3V 500MW
ZEN-3V3-SMD	ZEN-3V3 SMD SOD-80
ZEN-3V6	DIODO ZENER 3.6V 500MW
ZEN-3V9	DIODO ZENER 3.9V 500MW
ZEN-4V7	DIODO ZENER 4.7V 500MW
ZEN-4V7-SMD	ZEN-4V7 SMD SOD-80
ZEN-5V1	DIODO ZENER 5.1V 500MW
ZEN-5V1-SMD	ZEN-5V1 SMD SOD-80
ZEN-5V6	DIODO ZENER 5.6V 500MW
ZEN-5V6-SMD	ZEN-5V6 SMD SOD-80
ZEN-5W-15V	DIODO ZENER 15.0V 5W
ZEN-6V2	DIODO ZENER 6.2V 500MW
ZEN-6V8	DIODO ZENER 6.8V 500MW
ZEN-6V8-SMD	ZEN-6V8 SMD SOD-80
ZEN-7V5	DIODO ZENER 7.5V 500MW
ZEN-8V2	DIODO ZENER 8.2V 500MW
ZEN-9V1	DIODO ZENER 9.1V 500MW



## DE SENAL

CODIGO	DESCRIPCION
1N4148	DIODO SWITCHING
FDLL4148	1N4148 SMD MINI MELF (DL-35)

## SCHOTTKY

CODIGO	DESCRIPCION
1N5817	DIODO SCHOTTKY 1A 20V
1N5819	DIODO SCHOTTKY 1A 40V
1N5822	DIODO SCHOTTKY 3A 40V
32CTQ030	RECTIFICADOR VRRM 30V IFAV 30A
MBR2045CT	RECTIFICADOR VRRM 45V IFAV 20A
MBR2545CT	RECTIFICADOR VRRM 45V IFAV 30A



## PUENTES RECTIFICADORES

CODIGO	DESCRIPCION
BR610	REEMPLAZAR POR KBPC610
BR68	REEMPLAZAR POR KBPC608
KBL10	PUENTE DIODOS 4A 1000V
KBPC1510	PUENTE DIODOS 15A 1000V
KBPC2510	PUENTE DIODOS 25A 1000V
KBPC3504	PUENTE DIODOS 35A 400V
KBPC3510	PUENTE DIODOS 35A 1000V
KBPC608	PUENTE DIODOS 6A 800V BR68
KBPC610	PUENTE DIODOS 6A 1000V BR610
KBPC810	PUENTE DIODOS 8A 1000V BR810
KBU10M	PUENTE DIODOS 10A 1000V
RS-403	PUENTE DIODOS 4A 200V KBL
RS-405	PUENTE DIODOS 4A 600V KBL
RS-407	PUENTE DIODOS 4A 1000V KBL
RS-603	PUENTE DIODOS 6A 200V
RS-605	PUENTE DIODOS 6A 600V
RS-807	PUENTE DIODOS 8A 1000V KBU
W10M	PUENTE DIODOS 1.5A 1000V

## FAST Y ULTRA FAST RECOVERY

CODIGO	DESCRIPCION
1N4936	1A 400V TRR = 150NS DO-41
1N4937	1A 600V TRR = 150NS DO-41
BA159	1A 1000V TRR = 500NS DO-41
BY299	2A 800V TRR = 250NS DO-201AD
BY488	3A 1500V TRR = 1000NS
DL4934	1A 100V TRR = 150NS MELF
FR104	1A 400V TRR = 150NS DO-41
FR107	1A 1000V TRR = 500NS DO-41
FR304	3A 400V TRR = 150NS DO-201AD
FR307	3A 1000V TRR = 500NS DO-201AD
MUR160	1A 600V TRR = 75NS
MUR460	4A 600V TRR = 50NS
SF34	3A 200V TRR = 35NS
UF4007	DIODO 1A 1000V ULTRA FAST REC
UF5408	DIODO 3A 1000V ULTRA FAST REC

## SUPRESORES DE TRANSITORIOS

CODIGO	DESCRIPCION
P1.5KE120CA	SUPRESOR DE TRANSITORIOS 120V
P1.5KE150CA	SUPRESOR DE TRANSITORIOS 150V
P1.5KE6.8A	SUPRESOR DE TRANSITORIOS 6.8V
P6KE12A	SUPRESOR DE TRANSITORIOS 12V
P6KE18CA	SUPRESOR DE TRANSITORIOS 18V

**TIRISTORES: SCRS, DIACS Y TRIACS**

<b>CODIGO</b>	<b>DESCRIPCION</b>
<b>BT137-600E</b>	TRIAC 8A 600V TO-220
<b>BT138-600E</b>	TRIAC 12A 600V TO-220
<b>BTA08-600C</b>	TRIAC 8A 600V TO-220 AISLADO
<b>BTA12-600B</b>	TRIAC 12A 600V TO-220 AISLADO
<b>BTA12-600CW</b>	TRIAC 12A 600V TO-220 AISLADO
<b>BTA16-600CW</b>	TRIAC 16A 600V TO-220 AISLADO
<b>BTA16-800B</b>	TRIAC 16A 800V TO-220 AISLADO
<b>BTA24-600BW</b>	TRIAC 25A 600V TO-220AB AISLAD
<b>BTA41-600B</b>	TRIAC 40A 600V TOP-3 AISLADO
<b>BTB08-600C</b>	TRIAC 8A 600V TO-220
<b>BTB24-600BW</b>	TRIAC 25A 600V TO-220AB
<b>C106D</b>	SCR 4A 400V TO-225
<b>DB3</b>	DIAC 32V
<b>MAC97A6</b>	TRIAC 400V 0.6A TO-92
<b>MCR100-6</b>	SCR 0.8A 600V
<b>TIC106M</b>	SCR 5A 600V
<b>TIC226D</b>	TRIAC 8A 400V TO-220
<b>TYN408</b>	SCR 8A 400V IG = 25MA
<b>TYN612</b>	SCR 12A 600V