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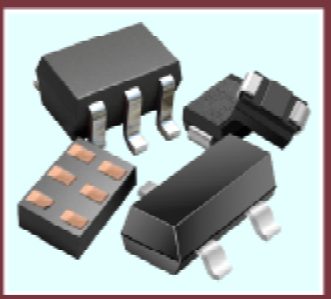
SMD-codes

DATABOOK

SMD-codes

Active SMD semiconductor components marking codes



- 120.300 SMD-codes for active semiconductor components:
- Diodes, Transistors, Thyristors, Integrated Circuits
- Conventional case drawings
- Pinouts
- Marking style

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Eugene Turuta Martin Christian Turuta

Active SMD components marking codes

databook

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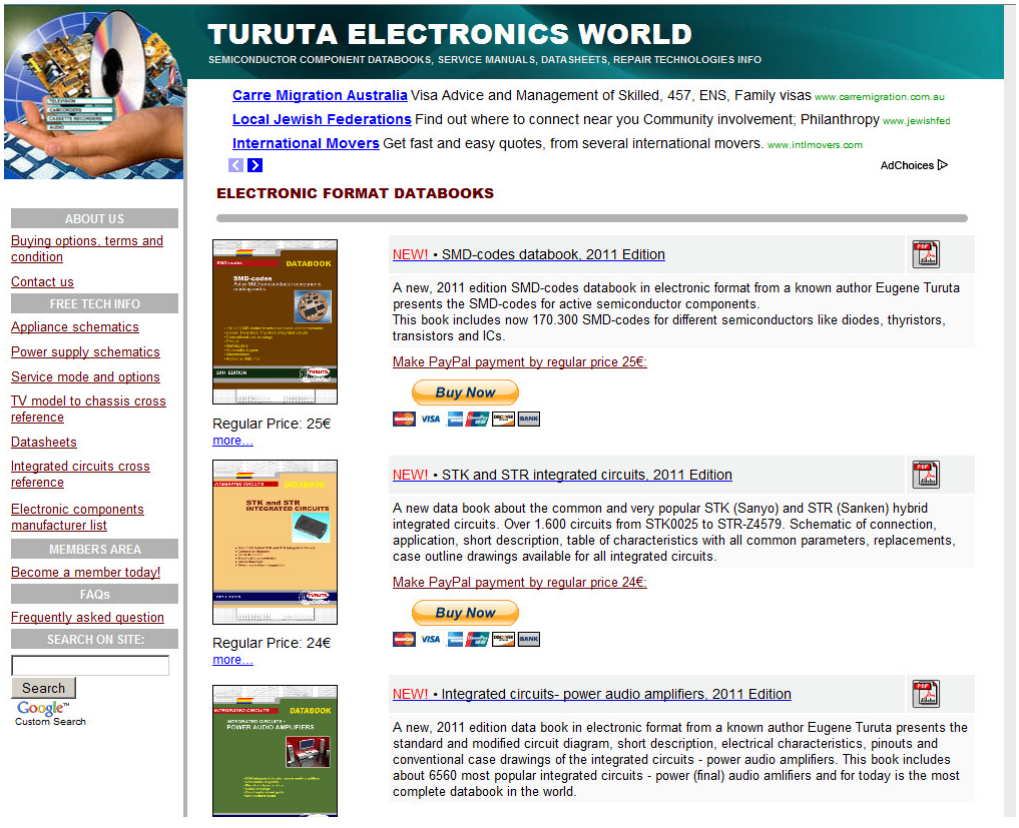

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Introduction

Surface mount devices (SMDs) are used in a growing number of commercial and industrial products. SMDs have improved performance over through-hole components due to their smaller size, shorter internal leads, and smaller board layouts. These factors reduce the circuit's parasitic inductance and capacitance. SMDs can also be more cost effective than traditional through-hole components due to the smaller board size, fewer board layers, and fewer holes. Today more than 50% of active semiconductor components are surface-mounted.

At the same time, SMD devices are, by their very nature, too small to carry conventional semiconductor type numbers. Therefore, a somewhat arbitrary coding system has grown up, where the device package carries a simple one, two or more character or graphic SMD code. Thus it is necessary to take into account that the colour and (or) placing of alphanumeric or graphic symbols are also important.

Identifying the manufacturers type number of an SMD device from the package code can be a difficult task. Unfortunately, each device code is not necessarily unique.

It is possible for various manufacturers to place different devices in the same case with the same SMD-code. For example, with a **6H** SMD-code in a SOT-23 case might be either a npn-transistor **BC818** (CDIL) or a capacitance-diode **FMMV2104** (Zetex) or a n-channel JFET transistor **MMBF5486** (Motorola) or a pnp-digital transistor **MUN2131** (Motorola) or a pnp-digital transistor **UN2117** (Panasonic) or a CMOS-integrated circuit- voltage detector with reset output **R3131N36EA** (Ricoh). Even the same manufacturer may use the same code for different devices.

To identify a particular SMD device, is necessary to identify the manufacturer, package type and note the SMD code printed on the device.

The identification of the manufacturer is possible only if on the case are printed the manufacturer's logos, but it not always happens. Besides, sometimes it is possible to determine the manufacturer with indirect tags. Many recent ON Semiconductor devices have a small superscript letter after the device code, such as **SA^{C}** (this smaller letter is merely a month of manufacture code). Siemens and Infineon devices usually have a lower case **'s'** (ATs, LOs). Philips devices usually have a lower case **'p'** (AHp, Z1p, pB0) or **'-'** (D-Q, Z-S) for the devices made in Hong Kong and **'t'** (ZtS, tT9, Y7t) for the devices made in Malaysia. In section 15 are submitted the logos of the SMD devices manufacturers.

The package type is another problem for the identification of SMD devices. The different manufacturers can designate identical cases according to the various standards (or according to the internal firm system). Besides, the various cases can have an identical kind (form) and differ only by sizes, but this distinction of sizes so it is not enough, that can be is measured only by special measuring devices.

Compliance with the name and type of cases from different manufacturers is solved by applying in the column "Cases" an equivalent type name for equivalent cases.

In addition to SMD-code on cases may be put padding alpha-numeric information (usually by another font or size of characters, also may be by other arrangement). Relationship position of the SMD-code and padding information we have defined as style and show in the column "Style"

In the following tables sections the SMD semiconductor components - irrelevant as to whether it is dealing with transistors, diodes, integrated circuits etc. are placed in separate tables according to numbers of terminals and (or) type of cases and are listed in alpha-numeric order by SMD-codes.

Column 1 ("SMD-Code")

...(blue)	Color of SMD code
...+ blue	Color of cathode band

Column 2 ("Type")

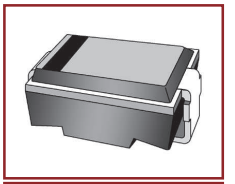
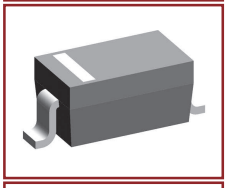
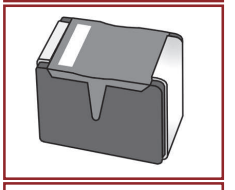
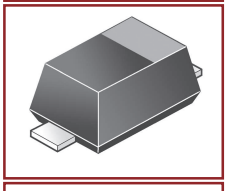
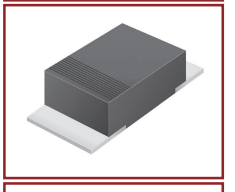
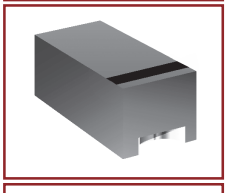
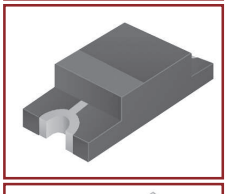
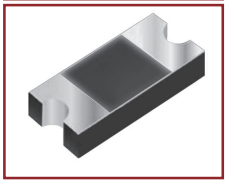
The type designations correspond to those of the respective manufacturer documentations.

Column 3 ("Device")

Short definition of the semiconductor component.
Used abbreviations:

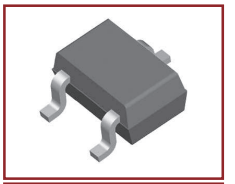
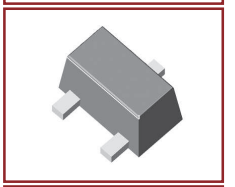
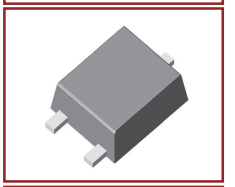
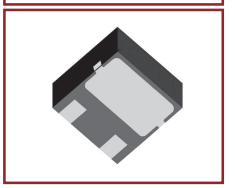
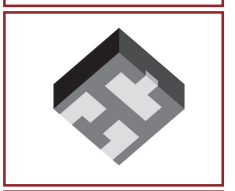
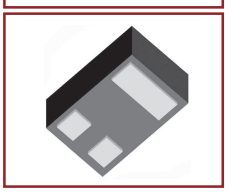
BM-IC	Battery Management integrated circuit
BR	Bridge Rectifier
C-Diode	Capacitance diode (varactor, varicap)
CMOS-Logic	CMOS logic integrated circuit
Comp-IC	Voltage comparator integrated circuit
DC/DC-IC	DC/DC voltage converter integrated circuit
ESDP-diode	ElectroStatic Discharge Protection diode
ESD-Prot	ElectroStatic Discharge Protection thyristor
H-IC	Hall-effect sensor integrated circuit
Lin-IC	Linear integrated circuit
LVR-IC	Linear voltage regulator integrated circuit
LVR/Vdet-IC	Linear voltage regulator/Voltage detector combined integrated circuit
MMIC	Monolithic Microwave integrated circuit
MOS-...*	With integrated gate protection diode
MOS-n-FET	Metal-Oxide-Semiconductor n-channel FET
MOS-n/p-FET	Metal-Oxide-Semiconductor n-channel and p-channel FET area
MOS-n-FET-d	Metal-Oxide-Semiconductor n-channel FET, depletion type
MOS-n-FET-e	Metal-Oxide-Semiconductor n-channel FET, enhancement type
MOS-p-FET	Metal-Oxide-Semiconductor p-channel FET
MOS-p-FET-d	Metal-Oxide-Semiconductor p-channel FET, depletion type
MOS-p-FET-e	Metal-Oxide-Semiconductor p-channel FET, enhancement type
n-FET	n-channel Field Effect Transistor
n-MES-FET	n-channel MEtal Semiconductor FET
Op-IC	Operational amplifier integrated circuit
p-FET	p-channel Field Effect Transistor
PIN-diode	PIN-diode
SA Z-diode	Surge Absorption Zenner diode
Si-Diode	Silicon diode
Si-Varistor	Silicon voltage depending resistor
Si-npn	Silicon npn transistor
Si-n/p	Silicon npn and pnp transistors area
Si-npn-Darl	Silicon npn Darlington transistor
Si-npn-Digi	Silicon npn "digital" transistor

SECTION 1
2-pin CASES SMD SEMICONDUCTOR COMPONENTS

SMD code	Type	Function	Short description	Case	Pinout	St.	Mnf.
<Z	TCMM3Z75VB	Z-diode	75V±2%, Izt=5mA, Zzt=240Ω, 200mW	SOD-323F	6d	1a	Tac
=Z	TCMM3Z56VB	Z-diode	56V±2%, Izt=5mA, Zzt=188Ω, 200mW	SOD-323F	6d	1a	Tac
>Z	TCMM3Z68VB	Z-diode	68V±2%, Izt=5mA, Zzt=226Ω, 200mW	SOD-323F	6d	1a	Tac
0	HVC300A	C-diode	VHF-Tuning, 32V, 2.6/39.5pF(25V..2V/1 MHz)	UFP	6d	1b	Hit
0	HVE300A	C-diode	VHF-Tuning, 39.5/47.4pF(2V)	SOD-123	5d	1a	Hit
0	HVU300A	C-diode	VHF-Tuning, 32V, 2.6/39.5pF(25..2V, 1MHz)	SOD-323	5d	1a	Ren
0	MMPZ5221SPT	Z-diode	2.352..2.448V, Izt=5mA, Zzt=100Ω, 225mW	SOD-323	5d	1a	Chm
0 2	GDZ2V0B-V	Z-diode	2.02..2.2V, Izt=5mA, Zzt=100Ω, 200mW	SOD-323	5d	1k	Vs
0 0	MM3Z2V4	Z-diode	2.2..2.6V, Izt=5mA, Zzt=100Ω, 200mW	SOD-323	6d	1a	Ons,Sec
0 0	MM5Z2V4	Z-diode	2.4V±5%, Izt=5mA, Zzt=100Ω, 100mW	SOD-523	6d	1a	Ons,Wtr
0 0	MMPZ5221BPT	Z-diode	2.280..2.520V, Izt=5mA, Zzt=100Ω, 225mW	SOD-323	5d	1a	Chm
0 0	ZD02V4	Z-diode	2.2..2.6V, 5mA, Zzt=100Ω, 200mW	SOD-322	5d	1a	Ctc
0 1	MM3Z2V7	Z-diode	2.5..2.9V, 5mA, Zzt=100Ω, 200mW	SOD-323	6d	1a	Sec
0 1	MM5Z2V7	Z-diode	2.7V±5%, Izt=5mA, Zzt=100Ω, 200mW	SOD-523	6d	1a	Wtr
0 1	MMPZ5223BPT	Z-diode	2.565..2.835V, Izt=5mA, Zzt=100Ω, 225mW	SOD-323	5d	1a	Chm
0 1	ZD02V7	Z-diode	2.5..2.9V, 5mA, Zzt=100Ω, 200mW	SOD-322	5d	1a	Ctc
01C100PH	BZG01-C100	Z-diode	100V±5%, 1.5W	DO-214AC	1d	1a	Phi
01C10PH	BZG01-C10	Z-diode	10V±5%, 1.5W	DO-214AC	1d	1a	Phi
01C110PH	BZG01-C110	Z-diode	110V±5%, 1.5W	DO-214AC	1d	1a	Phi
01C11PH	BZG01-C11	Z-diode	11V±5%, 1.5W	DO-214AC	1d	1a	Phi
01C120PH	BZG01-C120	Z-diode	120V±5%, 1.5W	DO-214AC	1d	1a	Phi
01C12PH	BZG01-C12	Z-diode	12V±5%, 1.5W	DO-214AC	1d	1a	Phi
01C130PH	BZG01-C130	Z-diode	130V±5%, 1.5W	DO-214AC	1d	1a	Phi
01C13PH	BZG01-C13	Z-diode	13V±5%, 1.5W	DO-214AC	1d	1a	Phi
01C150PH	BZG01-C150	Z-diode	150V±5%, 1.5W	DO-214AC	1d	1a	Phi
01C15PH	BZG01-C15	Z-diode	15V±5%, 1.5W	DO-214AC	1d	1a	Phi
01C160PH	BZG01-C160	Z-diode	160V±5%, 1.5W	DO-214AC	1d	1a	Phi
01C16PH	BZG01-C16	Z-diode	16V±5%, 1.5W	DO-214AC	1d	1a	Phi
01C180PH	BZG01-C180	Z-diode	180V±5%, 1.5W	DO-214AC	1d	1a	Phi
01C18PH	BZG01-C18	Z-diode	18V±5%, 1.5W	DO-214AC	1d	1a	Phi
01C200PH	BZG01-C200	Z-diode	200V±5%, 1.5W	DO-214AC	1d	1a	Phi
01C20PH	BZG01-C20	Z-diode	20V±5%, 1.5W	DO-214AC	1d	1a	Phi
01C220PH	BZG01-C220	Z-diode	220V±5%, 1.5W	DO-214AC	1d	1a	Phi
01C22PH	BZG01-C22	Z-diode	22V±5%, 1.5W	DO-214AC	1d	1a	Phi
01C240PH	BZG01-C240	Z-diode	270V±5%, 1.5W	DO-214AC	1d	1a	Phi
01C24PH	BZG01-C24	Z-diode	24V±5%, 1.5W	DO-214AC	1d	1a	Phi
01C270PH	BZG01-C270	Z-diode	270V±5%, 1.5W	DO-214AC	1d	1a	Phi
01C27PH	BZG01-C27	Z-diode	27V±5%, 1.5W	DO-214AC	1d	1a	Phi
01C30PH	BZG01-C30	Z-diode	30V±5%, 1.5W	DO-214AC	1d	1a	Phi
01C33PH	BZG01-C33	Z-diode	33V±5%, 1.5W	DO-214AC	1d	1a	Phi
01C36PH	BZG01-C36	Z-diode	36V±5%, 1.5W	DO-214AC	1d	1a	Phi
01C39PH	BZG01-C39	Z-diode	39V±5%, 1.5W	DO-214AC	1d	1a	Phi
01C43PH	BZG01-C43	Z-diode	43V±5%, 1.5W	DO-214AC	1d	1a	Phi
01C47PH	BZG01-C47	Z-diode	47V±5%, 1.5W	DO-214AC	1d	1a	Phi
01C51PH	BZG01-C51	Z-diode	51V±5%, 1.5W	DO-214AC	1d	1a	Phi
01C56PH	BZG01-C56	Z-diode	56V±5%, 1.5W	DO-214AC	1d	1a	Phi
01C62PH	BZG01-C62	Z-diode	62V±5%, 1.5W	DO-214AC	1d	1a	Phi
01C68PH	BZG01-C68	Z-diode	68V±5%, 1.5W	DO-214AC	1d	1a	Phi
01C75PH	BZG01-C75	Z-diode	75V±5%, 1.5W	DO-214AC	1d	1a	Phi
01C82PH	BZG01-C82	Z-diode	82V±5%, 1.5W	DO-214AC	1d	1a	Phi
01C91PH	BZG01-C91	Z-diode	91V±5%, 1.5W	DO-214AC	1d	1a	Phi
02	MM3Z3V0	Z-diode	2.8..3.2V, 5mA, Zzt=95Ω, 200mW	SOD-323	6d	1a,1d	Ons,Sec
02	MM5Z3V0	Z-diode	3.0V±5%, Izt=5.0mA, Zzt=100Ω, 200mW	SOD-523	6d	1a,1u	Ons,Wtr
02	MMPZ5225BPT	Z-diode	2.850..3.150V, Izt=5mA, Zzt=95Ω, 225mW	SOD-323	5d	1a	Chm
02	ZD03V0	Z-diode	2.8..3.2V, 5mA, Zzt=100Ω, 200mW	SOD-322	5d	1a	Ctc
03C10	BZG03-C10	Z-diode	10V±5%, Izt=50mA, Zzt=2Ω, 1.25W	DO-214AC	1d	1a	Sil
03C100	BZG03-C100	Z-diode	100V±5%, Izt=5mA, Zzt=60Ω, 1.25W	DO-214AC	1d	1a	Sil
03C100PH	BZG03-C100	Z-diode	100V±5%, Izt=5mA, Zzt=60Ω, 1.25W	DO-214AC	1d	1a	Phi
03C10PH	BZG03-C10	Z-diode	10V±5%, Izt=50mA, Zzt=2Ω, 1.25W	DO-214AC	1d	1a	Phi
03C11	BZG03-C11	Z-diode	11V±5%, Izt=50mA, Zzt=4Ω, 1.25W	DO-214AC	1d	1a	Sil
03C110	BZG03-C110	Z-diode	110V±5%, Izt=5mA, Zzt=80Ω, 1.25W	DO-214AC	1d	1a	Sil
03C110PH	BZG03-C110	Z-diode	110V±5%, Izt=5mA, Zzt=80Ω, 1.25W	DO-214AC	1d	1a	Phi
03C11PH	BZG03-C11	Z-diode	11V±5%, Izt=50mA, Zzt=4Ω, 1.25W	DO-214AC	1d	1a	Phi
03C12	BZG03-C12	Z-diode	12V±5%, Izt=50mA, Zzt=4Ω, 1.25W	DO-214AC	1d	1a	Sil
03C120	BZG03-C120	Z-diode	120V±5%, Izt=5mA, Zzt=80Ω, 1.25W	DO-214AC	1d	1a	Sil
03C120PH	BZG03-C120	Z-diode	120V±5%, Izt=5mA, Zzt=80Ω, 1.25W	DO-214AC	1d	1a	Phi
03C12PH	BZG03-C12	Z-diode	12V±5%, Izt=50mA, Zzt=4Ω, 1.25W	DO-214AC	1d	1a	Phi
03C13	BZG03-C13	Z-diode	13V±5%, Izt=50mA, Zzt=5Ω, 1.25W	DO-214AC	1d	1a	Sil
03C130	BZG03-C130	Z-diode	130V±5%, Izt=5mA, Zzt=110Ω, 1.25W	DO-214AC	1d	1a	Sil
03C130PH	BZG03-C130	Z-diode	130V±5%, Izt=5mA, Zzt=110Ω, 1.25W	DO-214AC	1d	1a	Phi

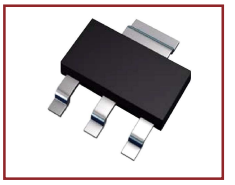
SECTION 2
3-pin CASES SMD SEMICONDUCTOR COMPONENTS

SMD code	Type	Function	Short description	Case	Pin.	Sch.	St.	Mnf.
+P2	BFR92A	Si-npn	UHF-A-Band, 20V, 25mA, 300mW, B>40, >5GHz	SOT-23	16ta	-	3a	Sil
+P5	BFR92AR	Si-npn	UHF-A-Band, 20V, 25mA, 300mW, B>40, >5GHz	SOT-23	16te	-	3a	Sil
+R2	BFR93A	Si-npn	UHF-A-Band, 15V, 30mA, 300mW, B>40, >5GHz	SOT-23	16ta	-	3a	Sil
+R5	BFR93AR	Si-npn	UHF-A-Band, 15V, 30mA, 300mW, B>40, >5GHz	SOT-23	16te	-	3a	Sil
01	PDTA143EE	Si-pnp-Digi	Sw, 50V, 100mA, 150mW, R1/R2=4.7k/4.7k	SOT-416	16ta	-	3a	Phi
01	PDTA143EK	Si-pnp-Digi	Sw, 50V, 100mA, 250mW, R1/R2=4.7k/4.7k	SC-59	16ta	-	3a	Phi
011	SO2369R	Si-npn	Sw, 40V, 200mA, 330mW, B=40..120	SOT-23	16te	-	3a	Ste
01A	APR3001-15A	Vdet-IC	1.5V, -Reset PPO	SOT-23	16vdb	VD7	3b	Anp
01A	RA101C	Si-pnp-Digi	Sw, 50V, 100mA, 200mW, 250MHz, R1/R2=47k/47k	SOT-23	16ta	-	3a	San
01B	APR3001-17A	Vdet-IC	1.75V, -Reset PPO	SOT-23	16vdb	VD7	3b	Anp
01C	APR3001-23A	Vdet-IC	2.32V, -Reset PPO	SOT-23	16vdb	VD7	3b	Anp
01C	RC101C	Si-npn-Digi	Sw, 50V, 100mA, 200mW, 250MHz, R1/R2=47k/47k	SOT-23	16ta	-	3a	San
01D	APR3001-26A	Vdet-IC	2.63V, -Reset PPO	SOT-23	16vdb	VD7	3b	Anp
01E	APR3001-29A	Vdet-IC	2.93V, -Reset PPO	SOT-23	16vdb	VD7	3b	Anp
01F	APR3001-30A	Vdet-IC	3.08V, -Reset PPO	SOT-23	16vdb	VD7	3b	Anp
01G	APR3001-39A	Vdet-IC	3.9V, -Reset PPO	SOT-23	16vdb	VD7	3b	Anp
01H	APR3001-43A	Vdet-IC	4.38V, -Reset PPO	SOT-23	16vdb	VD7	3b	Anp
01J	APR3001-46A	Vdet-IC	4.63V, -Reset PPO	SOT-23	16vdb	VD7	3b	Anp
02	2N7002	MOS-n-FET-e	TMOS, 60V, 115mA, 225mW, <7.5Ω(500mA), 20/40ns	SOT-23	16fh	-	3b	Sec
02	BSX39	Si-npn	Sw, Driver, 45V, 0.2A, <12/18ns	SOT-23	16te	-	3a	Mot
02	PDTC143EE	Si-npn-Digi	Sw, 50V, 100mA, 150mW, R1/R2=4.7k/4.7k	SOT-416	16ta	-	3a	Phi
02	PDTC143EK	Si-npn-Digi	Sw, 50V, 100mA, 150mW, R1/R2=4.7k/4.7k	SC-59	16ta	-	3a	Phi
02‾	2N7002	MOS-n-FET-e	TMOS, 60V, 115mA, 225mW, <7.5Ω(500mA), 20/40ns	SOT-23	16fh	-	3b	Frm
02A	APR3002-15A	Vdet-IC	1.5V, +Reset PPO	SOT-23	16vdb	VD7	3b	Anp
02C	APR3002-23A	Vdet-IC	2.32V, +Reset PPO	SOT-23	16vdb	VD7	3b	Anp
02D	APR3002-26A	Vdet-IC	2.63V, +Reset PPO	SOT-23	16vdb	VD7	3b	Anp
02E	APR3002-29A	Vdet-IC	2.93V, +Reset PPO	SOT-23	16vdb	VD7	3b	Anp
02F	APR3002-30A	Vdet-IC	3.08V, +Reset PPO	SOT-23	16vdb	VD7	3b	Anp
02F	CH493DPT	Si-diode	Dual, SBD, 40V, 400mA, Vf<0.5V(200mA)	SOT-23	16dg	-	3a	Chm
02F	CH493DPT	Si-diode	Dual, SBD, 40V, 400mA, Vf<0.5V(200mA)	SC-59	16dg	-	3a	Chm
02G	APR3002-39A	Vdet-IC	3.9V, +Reset PPO	SOT-23	16vdb	VD7	3b	Anp
02H	APR3002-43A	Vdet-IC	4.38V, +Reset PPO	SOT-23	16vdb	VD7	3b	Anp
02J	APR3002-46A	Vdet-IC	4.63V, +Reset PPO	SOT-23	16vdb	VD7	3b	Anp
02K‾	2N7002	MOS-n-FET-e*	TMOS, 60V, 115mA, 225mW, <7.5Ω(500mA), 20/40ns	SOT-23	16fh	-	3b	Frm
03	DTC143TE	Si-npn-Digi	Sw, 50V, 100mA, 150mW, 250MHz, R1=4k7	SOT-416	16ta	-	3a	Rhm
03	DTC143TKA	Si-npn-Digi	Sw, 50V, 100mA, 200mW, 250MHz, R1=4k7	SOT-346	16ta	-	3a	Rhm
03	DTC143TM	Si-npn-Digi	Sw, 50V, 100mA, 150mW, 250MHz, R1=4k7	VMT3	18ta	-	3a	Rhm
03	DTC143TUA	Si-npn-Digi	Sw, 50V, 100mA, 200mW, 250MHz, R1=4.7k	UMT3	16ta	-	3a	Rhm
03	MSCT03	TVS	3.3V, 300W (8/20µs)	SOT-23	16dh	-	3a	Msp
03	PDTA114EE	Si-pnp-Digi	Sw, 50V, 100mA, 150mW, R1/R2=10k/10k	SOT-416	16ta	-	3a	Phi
03	PDTA114EEF	Si-pnp-Digi	Sw, 50V, 100mA, 250mW, R1/R2=10k/10k	SOT-490	18ta	-	3a	Phi
03	PDTA114EK	Si-pnp-Digi	Sw, 50V, 100mA, 250mW, R1/R2=10k/10k	SC-59	16ta	-	3a	Phi
–03	PDTA114EU	Si-pnp-Digi	Sw, 50V, 100mA, 200mW, R1/R2=10k/10k	SOT-323	16ta	-	3a	PhH
03A	APR3003-15A	Vdet-IC	1.5V, -Reset ODO	SOT-23	16vdb	VD6	3b	Anp
03B	APR3003-17A	Vdet-IC	1.75V, -Reset ODO	SOT-23	16vdb	VD6	3b	Anp
03C	APR3003-23A	Vdet-IC	2.32V, -Reset ODO	SOT-23	16vdb	VD6	3b	Anp
03C	MSCT03C	TVS	3.3V, 300W (8/20µs), Bidirectional	SOT-23	16dp	-	3a	Msp
03D	APR3003-26A	Vdet-IC	2.63V, -Reset ODO	SOT-23	16vdb	VD6	3b	Anp
03E	APR3003-29A	Vdet-IC	2.93V, -Reset ODO	SOT-23	16vdb	VD6	3b	Anp
03F	APR3003-30A	Vdet-IC	3.08V, -Reset ODO	SOT-23	16vdb	VD6	3b	Anp
03F	CH494DPT	Si-diode	Dual, SBD, 40V, 400mA, Vf<0.5V(200mA)	SOT-23	16dl	-	3a	Chm
03F	CH494DPT	Si-diode	Dual, SBD, 40V, 400mA, Vf<0.5V(200mA)	SC-59	16dl	-	3a	Chm
03F	CH494WSPT	Si-diode	Dual, SBD, 40V, 400mA, Vf<0.5V(200mA)	SOT-323	16dl	-	3a	Chm
03G	APR3003-39A	Vdet-IC	3.9V, -Reset ODO	SOT-23	16vdb	VD6	3b	Anp
03H	APR3003-43A	Vdet-IC	4.38V, -Reset ODO	SOT-23	16vdb	VD6	3b	Anp
03J	APR3003-46A	Vdet-IC	4.63V, -Reset ODO	SOT-23	16vdb	VD6	3b	Anp
04	PDTC114EK	Si-npn-Digi	Sw, 50V, 100mA, 250mW, R1/R2=10k/10k	SC-59	16ta	-	3a	Phi
–04	PMSS3904	Si-npn	GP, 60V, 100mA, 200mW, B=100..300, >180MHz	SOT-323	16ta	-	3a	PhH
04A	RA104C	Si-pnp-Digi	SW, 50V, 100mA, 200mW, 250MHz, R1/R2=10k/47k	SOT-23	16ta	-	3a	San
04C	RC104C	Si-npn-Digi	SW, 50V, 100mA, 200mW, 250MHz, R1/R2=10k/47k	SOT-23	16ta	-	3a	San
04F	CH495DPT	Si-diode	Dual, SBD, 40V, 400mA, Vf<0.5V(200mA)	SC-59	16df	-	3a	Chm
04F	CH495DPT	Si-diode	Dual, SBD, 40V, 400mA, Vf<0.5V(200mA)	SOT-23	16df	-	3a	Chm
05	DTC124TE	Si-npn-Digi	Sw, 50V, 100mA, 150mW, 250MHz, R1=22k	SOT-416	16ta	-	3a	Rhm
05	DTC124TKA	Si-npn-Digi	Sw, 50V, 100mA, 200mW, 250MHz, R1=22k	SOT-346	16ta	-	3a	Rhm
05	DTC124TM	Si-npn-Digi	Sw, 50V, 100mA, 150mW, 250MHz, R1=22k	VMT3	18ta	-	3a	Rhm
05	DTC124TUA	Si-npn-Digi	Sw, 50V, 100mA, 200mW, B=111..600, >200MHz, R1=22k	UMT3	16ta	-	3a	Rhm
05	MSCT05	TVS	5V, 300W (8/20µs)	SOT-23	16dh	-	3a	Msp
05	PDTA124EE	Si-pnp-Digi	Sw, 50V, 100mA, 150mW, R1/R2=22k/22k	SOT-416	16ta	-	3a	Phi
05	PDTA124EK	Si-pnp-Digi	Sw, 50V, 100mA, 250mW, R1/R2=22k/22k	SC-59	16ta	-	3a	Phi
05C	MSCT05C	TVS	5V, 300W (8/20µs), Bidirectional	SOT-23	16dp	-	3a	Msp

SECTION 3

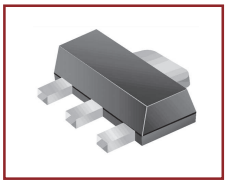
SOT-223 CASE SMD SEMICONDUCTOR COMPONENTS



SMD code	Type	Function	Short description	Case	Pin.	Sch.	St.	Mn.
01N60C3	SPN01N60C3	MOS-n-FET	HV, LogL, 650V, 300mA, 1.8W, 5.5Ω(500mA), 45/60ns	SOT-223	21f2	-	4k	Inf
02N60C3	SPN02N60C3	MOS-n-FET	HV, LogL, 600V, 400mA, 1.8W, 2.0Ω(1.1A), 6/68ns	SOT-223	21f2	-	4k	Inf
02N60S5	SPN02N60S5	MOS-n-FET	HV, LogL, 600V, 400mA, 1.8W, 2.5Ω(1.1A), 30/110ns	SOT-223	21f2	-	4k	Inf
03N60C3	SPN03N60C3	MOS-n-FET	HV, LogL, 650V, 700mA, 1.8W, 1.2Ω(2A), 7/64ns	SOT-223	21f2	-	4k	Inf
03N60S5	SPN03N60S5	MOS-n-FET	HV, LogL, 600V, 700mA, 1.8W, 1.2Ω(2A), 35/120ns	SOT-223	21f2	-	4k	Inf
04N60S5	SPN04N60S5	MOS-n-FET	HV, LogL, 600V, 800mA, 1.8W, 0.8Ω(2.8A), 40/130ns	SOT-223	21f2	-	4k	Inf
103MN	Z0103MN	Triac	600V, 1A, 1W, Vtm<1.56V, <Igt>3mA	SOT-223	21hz	-	4s	Ons
107MN	Z0107MN	Triac	600V, 1A, 1W, Vtm<1.56V, Igt>5mA	SOT-223	21hz	-	4s	Ons
109MN	Z0109MN	Triac	600V, 1A, 1W, Vtm<1.56V, Igt>10mA	SOT-223	21hz	-	4s	Ons
1117	LT1117CST	LVR-IC	LDO, Adjustable1.5..15V, 800mA	SOT-223	21wc	VR20	4r	Ltc
11172	LT1117CST-2.85	LVR-IC	LDO, 2.85±1%V, 800mA	SOT-223	21wb	VR1	4r	Ltc
11173	LT1117CST-3.3	LVR-IC	LDO, 3.3V±1%, 800mA	SOT-223	21wb	VR1	4r	Ltc
11175	LT1117CST-5	LVR-IC	LDO, 5V±1%, 800mA	SOT-223	21wb	VR1	4r	Ltc
1172	NCP1117ST20T3	LVR-IC	LDO, 2V±1%, 800mA	SOT-223	21wb	VR1	4s	Ons
1172V	NCV1117ST20T3	LVR-IC	LDO, 2V±1%, 800mA	SOT-223	21wb	VR1	4s	Ons
1175	NCP1117ST50T3	LVR-IC	LDO, 5V±1%, 800mA	SOT-223	21wb	VR1	4s	Ons
117A	NCP1117STAT3	LVR-IC	LDO, Adjustable 2..12V, 800mA	SOT-223	21wc	VR20	4s	Ons
117AV	NCV1117STAT3	LVR-IC	LDO, Adjustable 2..12V, 800mA	SOT-223	21wc	VR20	4s	Ons
1712	NCP1117ST12T3	LVR-IC	LDO, 12V±1%, 800mA	SOT-223	21wb	VR1	4s	Ons
1712V	NCV1117ST12T3	LVR-IC	LDO, 12V±1%, 800mA	SOT-223	21wb	VR1	4s	Ons
1715	NCP1117ST15T3	LVR-IC	LDO, 1.5V±1%, 800mA	SOT-223	21wb	VR1	4s	Ons
1715V	NCV1117ST15T3	LVR-IC	LDO, 1.5V±1%, 800mA	SOT-223	21wb	VR1	4s	Ons
1718	NCP1117ST18T3	LVR-IC	LDO, 1.8V±1%, 800mA	SOT-223	21wb	VR1	4s	Ons
1718V	NCV1117ST18T3	LVR-IC	LDO, 1.8V±1%, 800mA	SOT-223	21wb	VR1	4s	Ons
1719	NCP1117ST19T3	LVR-IC	LDO, 1.9V±1%, 800mA	SOT-223	21wb	VR1	4s	Ons
1725	NCP1117ST25T3	LVR-IC	LDO, 2.5V±1%, 800mA	SOT-223	21wb	VR1	4s	Ons
1725V	NCV1117ST25T3	LVR-IC	LDO, 2.5V±1%, 800mA	SOT-223	21wb	VR1	4s	Ons
1733	NCP1117ST33T3	LVR-IC	LDO, 3.3V±1%, 800mA	SOT-223	21wb	VR1	4s	Ons
1733V	NCV1117ST33T3	LVR-IC	LDO, 3.3V±1%, 800mA	SOT-223	21wb	VR1	4s	Ons
1AM	PZT3904	Si-npn	Sw, 60V, 100mA, 1.2W, B=100..300, >300MHz	SOT-223	21tm	-	4s	Ons
1C200	NSS1C200MZ4	Si-npn	GP, 100V, 2A, 2W, B=150..360, 120MHz	SOT-223	21tm	-	4s	Ons
1N10	MMFT1N10E	MOS-n-FET-e	V-MOS, 100V, 1A, <0.25Ω(500mA)	SOT-223	21f2	-	4s	Mot
24K	XC6202P182FR	LVR-IC	LDO, 1.8V±2%, 150mA	SOT-223	21ch	VR1	4k	Tor
24L	XC6202P192FR	LVR-IC	LDO, 1.9V±2%, 150mA	SOT-223	21ch	VR1	4k	Tor
24M	XC6202P202FR	LVR-IC	LDO, 2V±2%, 150mA	SOT-223	21ch	VR1	4k	Tor
24M	XC6216D202FR	LVR-IC	2.0V±2%, 150mA	SOT-223	21ch	VR1	4k	Tor
24N	XC6202P212FR	LVR-IC	LDO, 2.1V±2%, 150mA	SOT-223	21ch	VR1	4k	Tor
24N	XC6216D212FR	LVR-IC	2.1V±2%, 150mA	SOT-223	21ch	VR1	4k	Tor
24P	XC6202P222FR	LVR-IC	LDO, 2.2V±2%, 150mA	SOT-223	21ch	VR1	4k	Tor
24P	XC6216D222FR	LVR-IC	2.2V±2%, 150mA	SOT-223	21ch	VR1	4k	Tor
24R	XC6202P232FR	LVR-IC	LDO, 2.3V±2%, 150mA	SOT-223	21ch	VR1	4k	Tor
24R	XC6216D232FR	LVR-IC	2.3V±2%, 150mA	SOT-223	21ch	VR1	4k	Tor
24S	XC6202P242FR	LVR-IC	LDO, 2.4V±2%, 150mA	SOT-223	21ch	VR1	4k	Tor
24S	XC6216D242FR	LVR-IC	2.4V±2%, 150mA	SOT-223	21ch	VR1	4k	Tor
24T	XC6202P252FR	LVR-IC	LDO, 2.5V±2%, 150mA	SOT-223	21ch	VR1	4k	Tor
24T	XC6216D252FR	LVR-IC	2.5V±2%, 150mA	SOT-223	21ch	VR1	4k	Tor
24U	XC6202P262FR	LVR-IC	LDO, 2.6V±2%, 150mA	SOT-223	21ch	VR1	4k	Tor
24U	XC6216D262FR	LVR-IC	2.6V±2%, 150mA	SOT-223	21ch	VR1	4k	Tor
24V	XC6202P272FR	LVR-IC	LDO, 2.7V±2%, 150mA	SOT-223	21ch	VR1	4k	Tor
24V	XC6216D272FR	LVR-IC	2.7V±2%, 150mA	SOT-223	21ch	VR1	4k	Tor
24X	XC6202P282FR	LVR-IC	LDO, 2.8V±2%, 150mA	SOT-223	21ch	VR1	4k	Tor
24X	XC6216D282FR	LVR-IC	2.8V±2%, 150mA	SOT-223	21ch	VR1	4k	Tor
24Y	XC6202P292FR	LVR-IC	LDO, 2.9V±2%, 150mA	SOT-223	21ch	VR1	4k	Tor
24Y	XC6216D292FR	LVR-IC	2.9V±2%, 150mA	SOT-223	21ch	VR1	4k	Tor
24Z	XC6202P302FR	LVR-IC	LDO, 3V±2%, 150mA	SOT-223	21ch	VR1	4k	Tor
24Z	XC6216D302FR	LVR-IC	3.0V±2%, 150mA	SOT-223	21ch	VR1	4k	Tor
250	XC6202P312FR	LVR-IC	LDO, 3.1V±2%, 150mA	SOT-223	21ch	VR1	4k	Tor
250	XC6216D312FR	LVR-IC	3.1V±2%, 150mA	SOT-223	21ch	VR1	4k	Tor
251	XC6202P322FR	LVR-IC	LDO, 3.2V±2%, 150mA	SOT-223	21ch	VR1	4k	Tor
251	XC6216D322FR	LVR-IC	3.2V±2%, 150mA	SOT-223	21ch	VR1	4k	Tor
252	XC6202P332FR	LVR-IC	LDO, 3.3V±2%, 150mA	SOT-223	21ch	VR1	4k	Tor
252	XC6216D332FR	LVR-IC	3.3V±2%, 150mA	SOT-223	21ch	VR1	4k	Tor
253	XC6202P342FR	LVR-IC	LDO, 3.4V±2%, 150mA	SOT-223	21ch	VR1	4k	Tor
253	XC6216D342FR	LVR-IC	3.4V±2%, 150mA	SOT-223	21ch	VR1	4k	Tor
254	XC6202P352FR	LVR-IC	LDO, 3.5V±2%, 150mA	SOT-223	21ch	VR1	4k	Tor
254	XC6216D352FR	LVR-IC	3.5V±2%, 150mA	SOT-223	21ch	VR1	4k	Tor
255	XC6202P362FR	LVR-IC	LDO, 3.6V±2%, 150mA	SOT-223	21ch	VR1	4k	Tor
255	XC6216D362FR	LVR-IC	3.6V±2%, 150mA	SOT-223	21ch	VR1	4k	Tor
256	XC6202P372FR	LVR-IC	LDO, 3.7V±2%, 150mA	SOT-223	21ch	VR1	4k	Tor
256	XC6216D372FR	LVR-IC	3.7V±2%, 150mA	SOT-223	21ch	VR1	4k	Tor

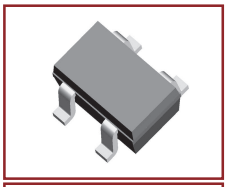
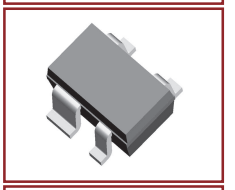
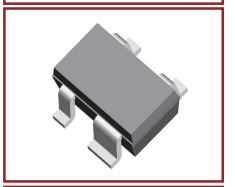
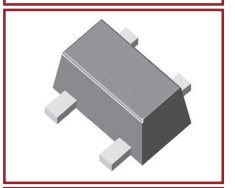
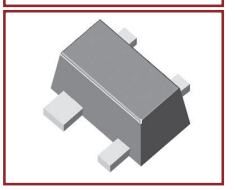
SECTION 4

SOT-89 CASE SMD SEMICONDUCTOR COMPONENTS

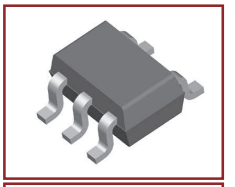


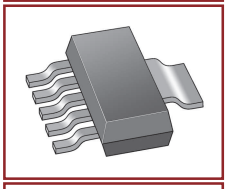
SMD code	Type	Function	Short description	Case	Pin.	Sch.	St.	Mnf.
01	Gali-1	MMIC	RF amplifier, DC..8GHz, 11dB (50Ω)	SOT-89	20aa	A1	4b	Mc
01A	APR3001-15D	Vdet-IC	1.5V, -Reset PPO	SOT-89	20vda	VD7	4b	Anp
01B	APR3001-17D	Vdet-IC	1.75V, -Reset PPO	SOT-89	20vda	VD7	4b	Anp
01C	APR3001-23D	Vdet-IC	2.32V, -Reset PPO	SOT-89	20vda	VD7	4b	Anp
01D	APR3001-26D	Vdet-IC	2.63V, -Reset PPO	SOT-89	20vda	VD7	4b	Anp
01E	APR3001-29D	Vdet-IC	2.93V, -Reset PPO	SOT-89	20vda	VD7	4b	Anp
01F	APR3001-30D	Vdet-IC	3.08V, -Reset PPO	SOT-89	20vda	VD7	4b	Anp
01G	APR3001-39D	Vdet-IC	3.9V, -Reset PPO	SOT-89	20vda	VD7	4b	Anp
01H	APR3001-43D	Vdet-IC	4.38V, -Reset PPO	SOT-89	20vda	VD7	4b	Anp
01J	APR3001-46D	Vdet-IC	4.63V, -Reset PPO	SOT-89	20vda	VD7	4b	Anp
02	Gali-2	MMIC	RF amplifier, DC..8GHz, 15.1dB (50Ω)	SOT-89	20aa	A1	4b	Mc
02A	APR3002-15D	Vdet-IC	1.5V, +Reset PPO	SOT-89	20vda	VD7	4b	Anp
02B	APR3002-17D	Vdet-IC	1.75V, +Reset PPO	SOT-89	20vda	VD7	4b	Anp
02C	APR3002-23D	Vdet-IC	2.32V, +Reset PPO	SOT-89	20vda	VD7	4b	Anp
02D	APR3002-26D	Vdet-IC	2.63V, +Reset PPO	SOT-89	20vda	VD7	4b	Anp
02E	APR3002-29D	Vdet-IC	2.93V, +Reset PPO	SOT-89	20vda	VD7	4b	Anp
02F	APR3002-30D	Vdet-IC	3.08V, +Reset PPO	SOT-89	20vda	VD7	4b	Anp
02G	APR3002-39D	Vdet-IC	3.9V, +Reset PPO	SOT-89	20vda	VD7	4b	Anp
02H	APR3002-43D	Vdet-IC	4.38V, +Reset PPO	SOT-89	20vda	VD7	4b	Anp
02J	APR3002-46D	Vdet-IC	4.63V, +Reset PPO	SOT-89	20vda	VD7	4b	Anp
03	Gali-3	MMIC	RF amplifier, DC..3GHz, 15.8dB (50Ω)	SOT-89	20aa	A1	4b	Mc
03A	APR3003-15D	Vdet-IC	1.5V, -Reset ODO	SOT-89	20vda	VD6	4b	Anp
03B	APR3003-17D	Vdet-IC	1.75V, -Reset ODO	SOT-89	20vda	VD6	4b	Anp
03C	APR3003-23D	Vdet-IC	2.32V, -Reset ODO	SOT-89	20vda	VD6	4b	Anp
03D	APR3003-26D	Vdet-IC	2.63V, -Reset ODO	SOT-89	20vda	VD6	4b	Anp
03E	APR3003-29D	Vdet-IC	2.93V, -Reset ODO	SOT-89	20vda	VD6	4b	Anp
03F	APR3003-30D	Vdet-IC	3.08V, -Reset ODO	SOT-89	20vda	VD6	4b	Anp
03G	APR3003-39D	Vdet-IC	3.9V, -Reset ODO	SOT-89	20vda	VD6	4b	Anp
03H	APR3003-43D	Vdet-IC	4.38V, -Reset ODO	SOT-89	20vda	VD6	4b	Anp
03J	APR3003-46D	Vdet-IC	4.63V, -Reset ODO	SOT-89	20vda	VD6	4b	Anp
04	Gali-4	MMIC	RF amplifier, DC..4GHz, 13.1dB (50Ω)	SOT-89	20aa	A1	4b	Mc
047	FCX1047A	Si-npn	Hi-beta, Lo-sat, 35V, 4A, 2W, B=450..1200, 150MHz	SOT-89	20tb	-	4b	Zx
04F	Gali-4F	MMIC	RF amplifier, DC..4GHz, 13.2dB (50Ω)	SOT-89	20aa	A1	4b	Mc
05	Gali-5	MMIC	RF amplifier, DC..4GHz, 15.1dB (50Ω)	SOT-89	20aa	A1	4b	Mc
051	FCX1051A	Si-npn	Hi-beta, Lo-sat, 150V, 3A, 2W, B=450..1200, 155MHz	SOT-89	20tb	-	4b	Zx
053	FCX1053A	Si-npn	Hi-beta, Lo-sat, 150V, 3A, 1W, B=100..1200, 140MHz	SOT-89	20tb	-	4b	Zx
05F	Gali-5F	MMIC	RF amplifier, DC..4GHz, 15.1dB (50Ω)	SOT-89	20aa	A1	4b	Mc
06	Gali-6	MMIC	RF amplifier, DC..4GHz, 12.3dB (50Ω)	SOT-89	20aa	A1	4b	Mc
06F	Gali-6F	MMIC	RF amplifier, DC..4GHz, 12.3dB (50Ω)	SOT-89	20aa	A1	4b	Mc
0B	RH5RL20AA	LVR-IC	2V±2.5%, 150mA	SOT-89	20vl	VR1	4c	Ric
0C	MC78LC30HT1	LVR-IC	Low Iq, 3V±2.5%, 80mA	SOT-89	20vl	VR1	4b	Ons
0C	RH5RL30AA	LVR-IC	3V±2.5%, 150mA	SOT-89	20vl	VR1	4c	Ric
0D	RH5RL40AA	LVR-IC	4V±2.5%, 150mA	SOT-89	20vl	VR1	4c	Ric
0E	RH5RL50AA	LVR-IC	5V±2.5%, 150mA	SOT-89	20vl	VR1	4c	Ric
0F	RH5RL60AA	LVR-IC	6V±2.5%, 150mA	SOT-89	20vl	VR1	4c	Ric
0J	RH5RE20AA	LVR-IC	Ultra-LDO, 2V±2.5%, 300mA	SOT-89	20vl	VR1	4c	Ric
0K	RH5RE30AA	LVR-IC	Ultra-LDO, 3V±2.5%, 300mA	SOT-89	20vl	VR1	4c	Ric
0L	RH5RE40AA	LVR-IC	Ultra-LDO, 4V±2.5%, 300mA	SOT-89	20vl	VR1	4c	Ric
0M	RH5RE50AA	LVR-IC	Ultra-LDO, 5V±2.5%, 300mA	SOT-89	20vl	VR1	4c	Ric
0N	RH5RE60AA	LVR-IC	Ultra-LDO, 6V±2.5%, 300mA	SOT-89	20vl	VR1	4c	Ric
1019G	EC1019B-G	MMIC	Buff/amp, DC..4GHz, 18.5dB (2GHz, 50Ω)	SOT-89	20aa	A1	4i	Wjc
1078G	EC1078B-G	MMIC	Buff/amp, DC..3.5GHz, 20dB (1GHz, 50Ω)	SOT-89	20aa	A1	4i	Wjc
10Y	BZV49-C10	Z-diode	10V±5%, Izt=5mA, 1W	SOT-89	20dm	-	4b	Phi
11A	APR3011-15D	Vdet-IC	1.5V, -Reset PPO	SOT-89	20vde	VD7	4b	Anp
11B	APR3011-17D	Vdet-IC	1.75V, -Reset PPO	SOT-89	20vde	VD7	4b	Anp
11C	APR3011-23D	Vdet-IC	2.32V, -Reset PPO	SOT-89	20vde	VD7	4b	Anp
11D	APR3011-26D	Vdet-IC	2.63V, -Reset PPO	SOT-89	20vde	VD7	4b	Anp
11E	APR3011-29D	Vdet-IC	2.93V, -Reset PPO	SOT-89	20vde	VD7	4b	Anp
11F	APR3011-30D	Vdet-IC	3.08V, -Reset PPO	SOT-89	20vde	VD7	4b	Anp
11G	APR3011-39D	Vdet-IC	3.9V, -Reset PPO	SOT-89	20vde	VD7	4b	Anp
11H	APR3011-43D	Vdet-IC	4.38V, -Reset PPO	SOT-89	20vde	VD7	4b	Anp
11J	APR3011-46D	Vdet-IC	4.63V, -Reset PPO	SOT-89	20vde	VD7	4b	Anp
11Y	BZV49-C11	Z-diode	11V±5%, Izt=5mA, 1W	SOT-89	20dm	-	4b	Phi
12	ELM85121AA	LVR-IC	LDO, 1.2V±2%, 800mA	SOT-89	20vl	VR1	4a	Elm
120	XC6372A201P	DC/DC-IC	PWM/PFM step-up, 100kHz, 2.0V±2.5%, 100mA	SOT-89	20bq	DC2	4c	Tor
1203O	KSA1203-O	Si-pnp	AF, 30V, 1.5A, 500mW, B=100..200, 20MHz	SOT-89	20tb	-	4n	F
1203Y	KSA1203-Y	Si-pnp	AF, 30V, 1.5A, 500mW, B=160..320, 20MHz	SOT-89	20tb	-	4n	F
121	XC6372A202P	DC/DC-IC	PWM/PFM step-up, 180kHz, 2.0V±2.5%, 100mA	SOT-89	20bq	DC2	4c	Tor
122	XC6372A221P	DC/DC-IC	PWM/PFM step-up, 100kHz, 2.2V±2.5%, 100mA	SOT-89	20bq	DC2	4c	Tor
123	XC6372A231P	DC/DC-IC	PWM/PFM step-up, 100kHz, 2.3V±2.5%, 100mA	SOT-89	20bq	DC2	4c	Tor

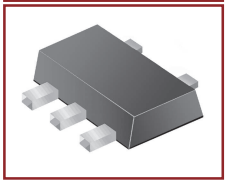
SECTION 5
4-pin CASES SMD SEMICONDUCTOR COMPONENTS

SMD code	Type	Function	Short description	Case	Pin.	Sch.	St.	Mnf.
01	MRF9011	Si-npn	UHF, 25V, 30mA, 300mW, B=30..200, 3.8GHz	SOT-143	24tc	-	5c	Mot
02	MRF5711	Si-npn	UHF, 20V, 80mA, 580mW, B=50..300, 8GHz	SOT-143	24tc	-	5c	Mot
03	VAM-3	MMIC	RF amplifier, DC..2GHz, 7.5dB (50Ω)	SOT-143	24aa	A1	5c	Mc
04	MRF4427	Si-npn	UHF, 40V, 400mA, 220mW, B=10..200, 1.6GHz	SOT-143	24tc	-	5c	Mot
04	MRF5211	Si-pnp	UHF, 20V, 70mA, 333mW, B=25..125, 4.2GHz	SOT-143	24tc	-	5c	Mot
05	MRF9331	Si-npn	UHF, 15V, 2mA, 50mW, B=30..200, 5GHz	SOT-143	24tc	-	5c	Mot
05F	TSDF1205R	Si-npn	UHF-VHF, LN, 9V, 12mA, 40mW, B=50..250, 12GHz	SOT-143R	26tu	-	5b	Vs
06	VAM-6	MMIC	RF amplifier, DC..2GHz, 8dB (50Ω)	SOT-143	24aa	A1	5c	Mc
07	VAM-7	MMIC	RF amplifier, DC..2GHz, 7.8dB (50Ω)	SOT-143	24aa	A1	5c	Mc
08	HBFP-0450	Si-npn	UHF, LN, 15V, 100mA, 450mW, B=50..150, 1.8GHz	SOT-343	24t1	-	5c	Agi
0A	BU4317F	Vdet-IC	1.7V, +Reset PPO	SOP-4	26vdf	VD3	5c	Rhm
0A	R3132Q10EA	Vdet-IC	1V, MR, -Reset PPO	SOT-143	24vdh	VD5	5a	Ric
0A	RQ5RW50BA	LVR-IC	LDO, +CE, 5V±2%, 150mA	SOT-143R	26vp	VR4	5c	Ric
0B	BU4318F	Vdet-IC	1.8V, +Reset PPO	SOP-4	26vdf	VD3	5c	Rhm
0B	R3132Q11EA	Vdet-IC	1.1V, MR, -Reset PPO	SOT-143	24vdh	VD5	5a	Ric
0B	RQ5RW51BA	LVR-IC	LDO, +CE, 5.1V±2%, 150mA	SOT-143R	26vp	VR4	5c	Ric
0C	BU4319F	Vdet-IC	1.9V, +Reset PPO	SOP-4	26vdf	VD3	5c	Rhm
0C	R3132Q12EA	Vdet-IC	1.2V, MR, -Reset PPO	SOT-143	24vdh	VD5	5a	Ric
0C	RQ5RW52BA	LVR-IC	LDO, +CE, 5.2V±2%, 150mA	SOT-143R	26vp	VR4	5c	Ric
0D	BU4320F	Vdet-IC	2V, +Reset PPO	SOP-4	26vdf	VD3	5c	Rhm
0D	R3132Q13EA	Vdet-IC	1.3V, MR, -Reset PPO	SOT-143	24vdh	VD5	5a	Ric
0D	RQ5RW53BA	LVR-IC	LDO, +CE, 5.3V±2%, 150mA	SOT-143R	26vp	VR4	5c	Ric
0E	BU4321F	Vdet-IC	2.1V, +Reset PPO	SOP-4	26vdf	VD3	5c	Rhm
0E	R3132Q14EA	Vdet-IC	1.4V, MR, -Reset PPO	SOT-143	24vdh	VD5	5a	Ric
0E	RQ5RW54BA	LVR-IC	LDO, +CE, 5.4V±2%, 150mA	SOT-143R	26vp	VR4	5c	Ric
0F	BU4322F	Vdet-IC	2.2V, +Reset PPO	SOP-4	26vdf	VD3	5c	Rhm
0F	R3132Q15EA	Vdet-IC	1.5V, MR, -Reset PPO	SOT-143	24vdh	VD5	5a	Ric
0F	RQ5RW55BA	LVR-IC	LDO, +CE, 5.5V±2%, 150mA	SOT-143R	26vp	VR4	5c	Ric
0G	BU4323F	Vdet-IC	2.3V, +Reset PPO	SOP-4	26vdf	VD3	5c	Rhm
0G	R3132Q16EA	Vdet-IC	1.6V, MR, -Reset PPO	SOT-143	24vdh	VD5	5a	Ric
0G	RQ5RW56BA	LVR-IC	LDO, +CE, 5.6V±2%, 150mA	SOT-143R	26vp	VR4	5c	Ric
0H	BU4324F	Vdet-IC	2.4V, +Reset PPO	SOP-4	26vdf	VD3	5c	Rhm
0H	R3132Q17EA	Vdet-IC	1.7V, MR, -Reset PPO	SOT-143	24vdh	VD5	5a	Ric
0H	RQ5RW57BA	LVR-IC	LDO, +CE, 5.7V±2%, 150mA	SOT-143R	26vp	VR4	5c	Ric
0J	BU4325F	Vdet-IC	2.5V, +Reset PPO	SOP-4	26vdf	VD3	5c	Rhm
0J	R3132Q18EA	Vdet-IC	1.8V, MR, -Reset PPO	SOT-143	24vdh	VD5	5a	Ric
0J	RQ5RW58BA	LVR-IC	LDO, +CE, 5.8V±2%, 150mA	SOT-143R	26vp	VR4	5c	Ric
0K	BU4326F	Vdet-IC	2.6V, +Reset PPO	SOP-4	26vdf	VD3	5c	Rhm
0K	R3132Q19EA	Vdet-IC	1.9V, MR, -Reset PPO	SOT-143	24vdh	VD5	5a	Ric
0K	RQ5RW59BA	LVR-IC	LDO, +CE, 5.9V±2%, 150mA	SOT-143R	26vp	VR4	5c	Ric
0L	BU4327F	Vdet-IC	2.7V, +Reset PPO	SOP-4	26vdf	VD3	5c	Rhm
0L	R3133Q10EA	Vdet-IC	1V, MR, +Reset PPO	SOT-143	24vdh	VD5	5a	Ric
0M	BU4328F	Vdet-IC	2.8V, +Reset PPO	SOP-4	26vdf	VD3	5c	Rhm
0M	R3133Q11EA	Vdet-IC	1.1V, MR, +Reset PPO	SOT-143	24vdh	VD5	5a	Ric
0N	BU4329F	Vdet-IC	2.9V, +Reset PPO	SOP-4	26vdf	VD3	5c	Rhm
0N	R3133Q12EA	Vdet-IC	1.2V, MR, +Reset PPO	SOT-143	24vdh	VD5	5a	Ric
0P	BU4330F	Vdet-IC	3V, +Reset PPO	SOP-4	26vdf	VD3	5c	Rhm
0P	R3133Q13EA	Vdet-IC	1.3V, MR, +Reset PPO	SOT-143	24vdh	VD5	5a	Ric
0Q	BU4331F	Vdet-IC	3.1V, +Reset PPO	SOP-4	26vdf	VD3	5c	Rhm
0Q	R3133Q14EA	Vdet-IC	1.4V, MR, +Reset PPO	SOT-143	24vdh	VD5	5a	Ric
0R	BU4332F	Vdet-IC	3.2V, +Reset PPO	SOP-4	26vdf	VD3	5c	Rhm
0R	R3133Q15EA	Vdet-IC	1.5V, MR, +Reset PPO	SOT-143	24vdh	VD5	5a	Ric
0S	BU4333F	Vdet-IC	3.3V, +Reset PPO	SOP-4	26vdf	VD3	5c	Rhm
0S	R3133Q16EA	Vdet-IC	1.6V, MR, +Reset PPO	SOT-143	24vdh	VD5	5a	Ric
0T	BU4334F	Vdet-IC	3.4V, +Reset PPO	SOP-4	26vdf	VD3	5c	Rhm
0T	R3133Q17EA	Vdet-IC	1.7V, MR, +Reset PPO	SOT-143	24vdh	VD5	5a	Ric
0U	BU4335F	Vdet-IC	3.5V, +Reset PPO	SOP-4	26vdf	VD3	5c	Rhm
0U	R3133Q18EA	Vdet-IC	1.8V, MR, +Reset PPO	SOT-143	24vdh	VD5	5a	Ric
0V	BU4336F	Vdet-IC	3.6V, +Reset PPO	SOP-4	26vdf	VD3	5c	Rhm
0V	R3133Q19EA	Vdet-IC	1.9V, MR, +Reset PPO	SOT-143	24vdh	VD5	5a	Ric
0W	BU4337F	Vdet-IC	3.7V, +Reset PPO	SOP-4	26vdf	VD3	5c	Rhm
0X	BU4338F	Vdet-IC	3.8V, +Reset PPO	SOP-4	26vdf	VD3	5c	Rhm
0Y	BU4339F	Vdet-IC	3.9V, +Reset PPO	SOP-4	26vdf	VD3	5c	Rhm
0Z	BU4340F	Vdet-IC	4V, +Reset PPO	SOP-4	26vdf	VD3	5c	Rhm
10W	MAZ3100W	Z-diode	Dual, 9.4..10.6V, If=100mA, Zzt=20Ω, 200mW	SOT-143	24ce	-	5b	Pan
11	MRF9511A	Si-npn	UHF, 20V, 100mA, 322mW, B=75..150, 8GHz	SOT-143	24tc	-	5c	Mot
12	XC6213B122NR	LVR-IC	LDO, +CE, 1.2V±2%, 150mA	SSOT-24	26vn	VR4	5c	Tor
13	XC6213B132NR	LVR-IC	LDO, +CE, 1.3V±2%, 150mA	SSOT-24	26vn	VR4	5c	Tor
13R	S913TR	MMIC	UHF, 12V, 30mA, 200mW, Idss=50..500µA	SOT-143R	26fm	A3	5c	Vs
14	XC6213B142NR	LVR-IC	LDO, +CE, 1.4V±2%, 150mA	SSOT-24	26vn	VR4	5c	Tor





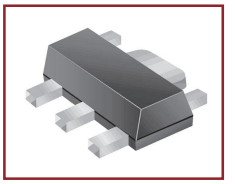


SECTION 6
5-pin CASES SMD SEMICONDUCTOR COMPONENTS

SMD code	Type	Function	Short description	Case	Pin.	Sch.	St.	Mnf.
00	R1223N252A	DC/DC-IC	PWM/VFM step-down, +CE, 2.5V, 300KHz, L-Pr.	SOT-23-5	28ud	DC7	6g	Ric
00	RN5RF50BA	LVR-IC	LRip, +CE, 5V±2%, 1A*	SOT-23-5	28vw	VR6	6g	Ric
00	RN5RZ50BA	LVR-IC	LDO, LN, +CE, 5V±2%, 100mA	SOT-23-5	28vrt	VR4	6g	Ric
000	XC6101A131MR	Vdet-IC	3.1V±2.5%, Hst, -MR, -Reset PPO, Wt=6.25ms, Rt=3.13ms	SOT-23-5	28xd	VD17	6g	Tor
001	XC6101A132MR	Vdet-IC	3.2V±2.5%, Hst, -MR, -Reset PPO, Wt=6.25ms, Rt=3.13ms	SOT-23-5	28xd	VD17	6g	Tor
002	XC6101A133MR	Vdet-IC	3.3V±2.5%, Hst, -MR, -Reset PPO, Wt=6.25ms, Rt=3.13ms	SOT-23-5	28xd	VD17	6g	Tor
003	XC6101A134MR	Vdet-IC	3.4V±2.5%, Hst, -MR, -Reset PPO, Wt=6.25ms, Rt=3.13ms	SOT-23-5	28xd	VD17	6g	Tor
004	XC6101A135MR	Vdet-IC	3.5V±2.5%, Hst, -MR, -Reset PPO, Wt=6.25ms, Rt=3.13ms	SOT-23-5	28xd	VD17	6g	Tor
005	XC6101A136MR	Vdet-IC	3.6V±2.5%, Hst, -MR, -Reset PPO, Wt=6.25ms, Rt=3.13ms	SOT-23-5	28xd	VD17	6g	Tor
006	XC6101A137MR	Vdet-IC	3.7V±2.5%, Hst, -MR, -Reset PPO, Wt=6.25ms, Rt=3.13ms	SOT-23-5	28xd	VD17	6g	Tor
007	XC6101A138MR	Vdet-IC	3.8V±2.5%, Hst, -MR, -Reset PPO, Wt=6.25ms, Rt=3.13ms	SOT-23-5	28xd	VD17	6g	Tor
008	R1160N081A	LVR-IC	LDO, -CE, 0.8V±2%, 200mA	SOT-23-5	28vrw	VR4	6g	Ric
008	XC6101A139MR	Vdet-IC	3.9V±2.5%, Hst, -MR, -Reset PPO, Wt=6.25ms, Rt=3.13ms	SOT-23-5	28xd	VD17	6g	Tor
009	R1160N091A	LVR-IC	LDO, -CE, 0.9V±2%, 200mA	SOT-23-5	28vrw	VR4	6g	Ric
009	XC6101A140MR	Vdet-IC	4.0V±2.5%, Hst, -MR, -Reset PPO, Wt=6.25ms, Rt=3.13ms	SOT-23-5	28xd	VD17	6g	Tor
00A	XC6101A141MR	Vdet-IC	4.1V±2.5%, Hst, -MR, -Reset PPO, Wt=6.25ms, Rt=3.13ms	SOT-23-5	28xd	VD17	6g	Tor
00B	XC6101A142MR	Vdet-IC	4.2V±2.5%, Hst, -MR, -Reset PPO, Wt=6.25ms, Rt=3.13ms	SOT-23-5	28xd	VD17	6g	Tor
00C	XC6101A143MR	Vdet-IC	4.3V±2.5%, Hst, -MR, -Reset PPO, Wt=6.25ms, Rt=3.13ms	SOT-23-5	28xd	VD17	6g	Tor
00D	XC6101A144MR	Vdet-IC	4.4V±2.5%, Hst, -MR, -Reset PPO, Wt=6.25ms, Rt=3.13ms	SOT-23-5	28xd	VD17	6g	Tor
00E	XC6101A145MR	Vdet-IC	4.5V±2.5%, Hst, -MR, -Reset PPO, Wt=6.25ms, Rt=3.13ms	SOT-23-5	28xd	VD17	6g	Tor
00F	XC6101A116MR	Vdet-IC	1.6V±2.5%, Hst, -MR, -Reset PPO, Wt=6.25ms, Rt=3.13ms	SOT-23-5	28xd	VD17	6g	Tor
00F	XC6101A146MR	Vdet-IC	4.6V±2.5%, Hst, -MR, -Reset PPO, Wt=6.25ms, Rt=3.13ms	SOT-23-5	28xd	VD17	6g	Tor
00H	XC6101A117MR	Vdet-IC	1.7V±2.5%, Hst, -MR, -Reset PPO, Wt=6.25ms, Rt=3.13ms	SOT-23-5	28xd	VD17	6g	Tor
00H	XC6101A147MR	Vdet-IC	4.7V±2.5%, Hst, -MR, -Reset PPO, Wt=6.25ms, Rt=3.13ms	SOT-23-5	28xd	VD17	6g	Tor
00K	XC6101A118MR	Vdet-IC	1.8V±2.5%, Hst, -MR, -Reset PPO, Wt=6.25ms, Rt=3.13ms	SOT-23-5	28xd	VD17	6g	Tor
00K	XC6101A148MR	Vdet-IC	4.8V±2.5%, Hst, -MR, -Reset PPO, Wt=6.25ms, Rt=3.13ms	SOT-23-5	28xd	VD17	6g	Tor
00L	XC6101A119MR	Vdet-IC	1.9V±2.5%, Hst, -MR, -Reset PPO, Wt=6.25ms, Rt=3.13ms	SOT-23-5	28xd	VD17	6g	Tor
00L	XC6101A149MR	Vdet-IC	4.9V±2.5%, Hst, -MR, -Reset PPO, Wt=6.25ms, Rt=3.13ms	SOT-23-5	28xd	VD17	6g	Tor
00M	XC6101A120MR	Vdet-IC	2.0V±2.5%, Hst, -MR, -Reset PPO, Wt=6.25ms, Rt=3.13ms	SOT-23-5	28xd	VD17	6g	Tor
00M	XC6101A150MR	Vdet-IC	5.0V±2.5%, Hst, -MR, -Reset PPO, Wt=6.25ms, Rt=3.13ms	SOT-23-5	28xd	VD17	6g	Tor
00N	XC6101A121MR	Vdet-IC	2.1V±2.5%, Hst, -MR, -Reset PPO, Wt=6.25ms, Rt=3.13ms	SOT-23-5	28xd	VD17	6g	Tor
00P	XC6101A122MR	Vdet-IC	2.2V±2.5%, Hst, -MR, -Reset PPO, Wt=6.25ms, Rt=3.13ms	SOT-23-5	28xd	VD17	6g	Tor
00R	XC6101A123MR	Vdet-IC	2.3V±2.5%, Hst, -MR, -Reset PPO, Wt=6.25ms, Rt=3.13ms	SOT-23-5	28xd	VD17	6g	Tor
00S	XC6101A124MR	Vdet-IC	2.4V±2.5%, Hst, -MR, -Reset PPO, Wt=6.25ms, Rt=3.13ms	SOT-23-5	28xd	VD17	6g	Tor
00T	XC6101A125MR	Vdet-IC	2.5V±2.5%, Hst, -MR, -Reset PPO, Wt=6.25ms, Rt=3.13ms	SOT-23-5	28xd	VD17	6g	Tor
00U	XC6101A126MR	Vdet-IC	2.6V±2.5%, Hst, -MR, -Reset PPO, Wt=6.25ms, Rt=3.13ms	SOT-23-5	28xd	VD17	6g	Tor
00V	XC6101A127MR	Vdet-IC	2.7V±2.5%, Hst, -MR, -Reset PPO, Wt=6.25ms, Rt=3.13ms	SOT-23-5	28xd	VD17	6g	Tor
00X	XC6101A128MR	Vdet-IC	2.8V±2.5%, Hst, -MR, -Reset PPO, Wt=6.25ms, Rt=3.13ms	SOT-23-5	28xd	VD17	6g	Tor
00Y	XC6101A129MR	Vdet-IC	2.9V±2.5%, Hst, -MR, -Reset PPO, Wt=6.25ms, Rt=3.13ms	SOT-23-5	28xd	VD17	6g	Tor
00Z	XC6101A130MR	Vdet-IC	3.0V±2.5%, Hst, -MR, -Reset PPO, Wt=6.25ms, Rt=3.13ms	SOT-23-5	28xd	VD17	6g	Tor
01	R1223N152C	DC/DC-IC	PWM step-down, +CE, 1.5V, 300KHz, Latch-Pr.	SOT-23-5	28ud	DC7	6g	Ric
01	RN5RF51BA	LVR-IC	LRip, +CE, 5.1V±2%, 1A*	SOT-23-5	28vw	VR6	6g	Ric
01	RN5RZ51BA	LVR-IC	LDO, LN, +CE, 5.1V±2%, 100mA	SOT-23-5	28vrt	VR4	6g	Ric
010	R1160N101A	LVR-IC	LDO, -CE, 1V±2%, 200mA	SOT-23-5	28vrw	VR4	6g	Ric
010	XC6101A231MR	Vdet-IC	3.1V±2.5%, Hst, -MR, -Reset PPO, Wt=50ms, Rt=3.13ms	SOT-23-5	28xd	VD17	6g	Tor
011	R1160N111A	LVR-IC	LDO, -CE, 1.1V±2%, 200mA	SOT-23-5	28vrw	VR4	6g	Ric
011	XC6101A232MR	Vdet-IC	3.2V±2.5%, Hst, -MR, -Reset PPO, Wt=50ms, Rt=3.13ms	SOT-23-5	28xd	VD17	6g	Tor
012	R1160N121A	LVR-IC	LDO, -CE, 1.2V±2%, 200mA	SOT-23-5	28vrw	VR4	6g	Ric
012	XC6101A233MR	Vdet-IC	3.3V±2.5%, Hst, -MR, -Reset PPO, Wt=50ms, Rt=3.13ms	SOT-23-5	28xd	VD17	6g	Tor
013	R1160N131A	LVR-IC	LDO, -CE, 1.3V±2%, 200mA	SOT-23-5	28vrw	VR4	6g	Ric
013	XC6101A234MR	Vdet-IC	3.4V±2.5%, Hst, -MR, -Reset PPO, Wt=50ms, Rt=3.13ms	SOT-23-5	28xd	VD17	6g	Tor
014	R1160N141A	LVR-IC	LDO, -CE, 1.4V±2%, 200mA	SOT-23-5	28vrw	VR4	6g	Ric
014	XC6101A235MR	Vdet-IC	3.5V±2.5%, Hst, -MR, -Reset PPO, Wt=50ms, Rt=3.13ms	SOT-23-5	28xd	VD17	6g	Tor
015	R1116N151B	LVR-IC	LDO, LN, +CE, 1.5V±1.5%, 150mA	SOT-23-5	28cx	VR4	6g	Ric
015	R1160N151A	LVR-IC	LDO, -CE, 1.5V±2%, 200mA	SOT-23-5	28vrw	VR4	6g	Ric
015	XC6101A236MR	Vdet-IC	3.6V±2.5%, Hst, -MR, -Reset PPO, Wt=50ms, Rt=3.13ms	SOT-23-5	28xd	VD17	6g	Tor
016	R1116N161B	LVR-IC	LDO, LN, +CE, 1.6V±1.5%, 150mA	SOT-23-5	28cx	VR4	6g	Ric
016	R1160N161A	LVR-IC	LDO, -CE, 1.6V±2%, 200mA	SOT-23-5	28vrw	VR4	6g	Ric
016	XC6101A237MR	Vdet-IC	3.7V±2.5%, Hst, -MR, -Reset PPO, Wt=50ms, Rt=3.13ms	SOT-23-5	28xd	VD17	6g	Tor
017	R1116N171B	LVR-IC	LDO, LN, +CE, 1.7V±1.5%, 150mA	SOT-23-5	28cx	VR4	6g	Ric
017	R1160N171A	LVR-IC	LDO, -CE, 1.7V±2%, 200mA	SOT-23-5	28vrw	VR4	6g	Ric
017	XC6101A238MR	Vdet-IC	3.8V±2.5%, Hst, -MR, -Reset PPO, Wt=50ms, Rt=3.13ms	SOT-23-5	28xd	VD17	6g	Tor
018	R1116N181B	LVR-IC	LDO, LN, +CE, 1.8V±1.5%, 150mA	SOT-23-5	28cx	VR4	6g	Ric
018	R1160N181A	LVR-IC	LDO, -CE, 1.8V±2%, 200mA	SOT-23-5	28vrw	VR4	6g	Ric
018	XC6101A239MR	Vdet-IC	3.9V±2.5%, Hst, -MR, -Reset PPO, Wt=50ms, Rt=3.13ms	SOT-23-5	28xd	VD17	6g	Tor
019	R1116N191B	LVR-IC	LDO, LN, +CE, 1.9V±1.5%, 150mA	SOT-23-5	28cx	VR4	6g	Ric
019	R1160N191A	LVR-IC	LDO, -CE, 1.9V±2%, 200mA	SOT-23-5	28vrw	VR4	6g	Ric
019	XC6101A240MR	Vdet-IC	4.0V±2.5%, Hst, -MR, -Reset PPO, Wt=50ms, Rt=3.13ms	SOT-23-5	28xd	VD17	6g	Tor
01A	APR3001-15B	Vdet-IC	1.5V, -Reset PPO	SOT-23-5	28vdm	VD7	6k	Anp
01A	XC6101A241MR	Vdet-IC	4.1V±2.5%, Hst, -MR, -Reset PPO, Wt=50ms, Rt=3.13ms	SOT-23-5	28xd	VD17	6g	Tor

SECTION 7

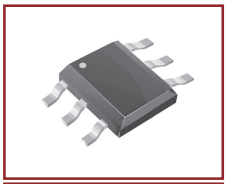
SOT-89-5 CASE SMD SEMICONDUCTOR COMPONENTS

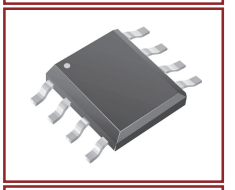


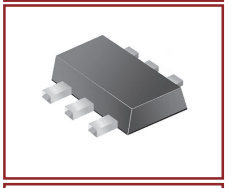
SMD code	Type	Function	Short description	Case	Pin.	Sch.	St.	Mnf.
0A0	XC6210A312PR	LVR-IC	LDO, +CE, PDR, 3.1V±2%, 700mA	SOT-89-5	32vy	VR4	6h	Tor
0A1	XC6210A322PR	LVR-IC	LDO, +CE, PDR, 3.2V±2%, 700mA	SOT-89-5	32vy	VR4	6h	Tor
0A2	XC6210A332PR	LVR-IC	LDO, +CE, PDR, 3.3V±2%, 700mA	SOT-89-5	32vy	VR4	6h	Tor
0A3	XC6210A342PR	LVR-IC	LDO, +CE, PDR, 3.4V±2%, 700mA	SOT-89-5	32vy	VR4	6h	Tor
0A4	XC6210A352PR	LVR-IC	LDO, +CE, PDR, 3.5V±2%, 700mA	SOT-89-5	32vy	VR4	6h	Tor
0A5	XC6210A362PR	LVR-IC	LDO, +CE, PDR, 3.6V±2%, 700mA	SOT-89-5	32vy	VR4	6h	Tor
0A6	XC6210A372PR	LVR-IC	LDO, +CE, PDR, 3.7V±2%, 700mA	SOT-89-5	32vy	VR4	6h	Tor
0A7	XC6210A382PR	LVR-IC	LDO, +CE, PDR, 3.8V±2%, 700mA	SOT-89-5	32vy	VR4	6h	Tor
0A8	XC6210A392PR	LVR-IC	LDO, +CE, PDR, 3.9V±2%, 700mA	SOT-89-5	32vy	VR4	6h	Tor
0A9	XC6210A402PR	LVR-IC	LDO, +CE, PDR, 4V±2%, 700mA	SOT-89-5	32vy	VR4	6h	Tor
0AA	XC6210A412PR	LVR-IC	LDO, +CE, PDR, 4.1V±2%, 700mA	SOT-89-5	32vy	VR4	6h	Tor
0AB	XC6210A422PR	LVR-IC	LDO, +CE, PDR, 4.2V±2%, 700mA	SOT-89-5	32vy	VR4	6h	Tor
0AC	XC6210A432PR	LVR-IC	LDO, +CE, PDR, 4.3V±2%, 700mA	SOT-89-5	32vy	VR4	6h	Tor
0AD	XC6210A442PR	LVR-IC	LDO, +CE, PDR, 4.4V±2%, 700mA	SOT-89-5	32vy	VR4	6h	Tor
0AE	XC6210A452PR	LVR-IC	LDO, +CE, PDR, 4.5V±2%, 700mA	SOT-89-5	32vy	VR4	6h	Tor
0AF	XC6210A462PR	LVR-IC	LDO, +CE, PDR, 4.6V±2%, 700mA	SOT-89-5	32vy	VR4	6h	Tor
0AH	XC6210A472PR	LVR-IC	LDO, +CE, PDR, 4.7V±2%, 700mA	SOT-89-5	32vy	VR4	6h	Tor
0AK	XC6210A482PR	LVR-IC	LDO, +CE, PDR, 4.8V±2%, 700mA	SOT-89-5	32vy	VR4	6h	Tor
0AL	XC6210A492PR	LVR-IC	LDO, +CE, PDR, 4.9V±2%, 700mA	SOT-89-5	32vy	VR4	6h	Tor
0AM	XC6210A502PR	LVR-IC	LDO, +CE, PDR, 5V±2%, 700mA	SOT-89-5	32vy	VR4	6h	Tor
0B0	XC6210B312PR	LVR-IC	LDO, +CE, 3.1V±2%, 700mA	SOT-89-5	32vy	VR4	6h	Tor
0B1	XC6210B322PR	LVR-IC	LDO, +CE, 3.2V±2%, 700mA	SOT-89-5	32vy	VR4	6h	Tor
0B2	XC6210B332PR	LVR-IC	LDO, +CE, 3.3V±2%, 700mA	SOT-89-5	32vy	VR4	6h	Tor
0B3	XC6210B342PR	LVR-IC	LDO, +CE, 3.4V±2%, 700mA	SOT-89-5	32vy	VR4	6h	Tor
0B4	XC6210B352PR	LVR-IC	LDO, +CE, 3.5V±2%, 700mA	SOT-89-5	32vy	VR4	6h	Tor
0B5	XC6210B362PR	LVR-IC	LDO, +CE, 3.6V±2%, 700mA	SOT-89-5	32vy	VR4	6h	Tor
0B6	XC6210B372PR	LVR-IC	LDO, +CE, 3.7V±2%, 700mA	SOT-89-5	32vy	VR4	6h	Tor
0B7	XC6210B382PR	LVR-IC	LDO, +CE, 3.8V±2%, 700mA	SOT-89-5	32vy	VR4	6h	Tor
0B8	XC6210B392PR	LVR-IC	LDO, +CE, 3.9V±2%, 700mA	SOT-89-5	32vy	VR4	6h	Tor
0B9	XC6210B402PR	LVR-IC	LDO, +CE, 4V±2%, 700mA	SOT-89-5	32vy	VR4	6h	Tor
0BA	XC6210B412PR	LVR-IC	LDO, +CE, 4.1V±2%, 700mA	SOT-89-5	32vy	VR4	6h	Tor
0BB	XC6210B422PR	LVR-IC	LDO, +CE, 4.2V±2%, 700mA	SOT-89-5	32vy	VR4	6h	Tor
0BC	XC6210B432PR	LVR-IC	LDO, +CE, 4.3V±2%, 700mA	SOT-89-5	32vy	VR4	6h	Tor
0BD	XC6210B442PR	LVR-IC	LDO, +CE, 4.4V±2%, 700mA	SOT-89-5	32vy	VR4	6h	Tor
0BE	XC6210B452PR	LVR-IC	LDO, +CE, 4.5V±2%, 700mA	SOT-89-5	32vy	VR4	6h	Tor
0BF	XC6210B462PR	LVR-IC	LDO, +CE, 4.6V±2%, 700mA	SOT-89-5	32vy	VR4	6h	Tor
0BH	XC6210B472PR	LVR-IC	LDO, +CE, 4.7V±2%, 700mA	SOT-89-5	32vy	VR4	6h	Tor
0BK	XC6210B482PR	LVR-IC	LDO, +CE, 4.8V±2%, 700mA	SOT-89-5	32vy	VR4	6h	Tor
0BL	XC6210B492PR	LVR-IC	LDO, +CE, 4.9V±2%, 700mA	SOT-89-5	32vy	VR4	6h	Tor
0BM	XC6210B502PR	LVR-IC	LDO, +CE, 5V±2%, 700mA	SOT-89-5	32vy	VR4	6h	Tor
0C0	XC6210C312PR	LVR-IC	LDO, -CE, PDR, 3.1V±2%, 700mA	SOT-89-5	32vy	VR4	6h	Tor
0C1	XC6210C322PR	LVR-IC	LDO, -CE, PDR, 3.2V±2%, 700mA	SOT-89-5	32vy	VR4	6h	Tor
0C2	XC6210C332PR	LVR-IC	LDO, -CE, PDR, 3.3V±2%, 700mA	SOT-89-5	32vy	VR4	6h	Tor
0C3	XC6210C342PR	LVR-IC	LDO, -CE, PDR, 3.4V±2%, 700mA	SOT-89-5	32vy	VR4	6h	Tor
0C4	XC6210C352PR	LVR-IC	LDO, -CE, PDR, 3.5V±2%, 700mA	SOT-89-5	32vy	VR4	6h	Tor
0C5	XC6210C362PR	LVR-IC	LDO, -CE, PDR, 3.6V±2%, 700mA	SOT-89-5	32vy	VR4	6h	Tor
0C6	XC6210C372PR	LVR-IC	LDO, -CE, PDR, 3.7V±2%, 700mA	SOT-89-5	32vy	VR4	6h	Tor
0C7	XC6210C382PR	LVR-IC	LDO, -CE, PDR, 3.8V±2%, 700mA	SOT-89-5	32vy	VR4	6h	Tor
0C8	XC6210C392PR	LVR-IC	LDO, -CE, PDR, 3.9V±2%, 700mA	SOT-89-5	32vy	VR4	6h	Tor
0C9	XC6210C402PR	LVR-IC	LDO, -CE, PDR, 4V±2%, 700mA	SOT-89-5	32vy	VR4	6h	Tor
0CA	XC6210C412PR	LVR-IC	LDO, -CE, PDR, 4.1V±2%, 700mA	SOT-89-5	32vy	VR4	6h	Tor
0CB	XC6210C422PR	LVR-IC	LDO, -CE, PDR, 4.2V±2%, 700mA	SOT-89-5	32vy	VR4	6h	Tor
0CC	XC6210C432PR	LVR-IC	LDO, -CE, PDR, 4.3V±2%, 700mA	SOT-89-5	32vy	VR4	6h	Tor
0CD	XC6210C442PR	LVR-IC	LDO, -CE, PDR, 4.4V±2%, 700mA	SOT-89-5	32vy	VR4	6h	Tor
0CE	XC6210C452PR	LVR-IC	LDO, -CE, PDR, 4.5V±2%, 700mA	SOT-89-5	32vy	VR4	6h	Tor
0CF	XC6210C462PR	LVR-IC	LDO, -CE, PDR, 4.6V±2%, 700mA	SOT-89-5	32vy	VR4	6h	Tor
0CH	XC6210C472PR	LVR-IC	LDO, -CE, PDR, 4.7V±2%, 700mA	SOT-89-5	32vy	VR4	6h	Tor
0CK	XC6210C482PR	LVR-IC	LDO, -CE, PDR, 4.8V±2%, 700mA	SOT-89-5	32vy	VR4	6h	Tor
0CL	XC6210C492PR	LVR-IC	LDO, -CE, PDR, 4.9V±2%, 700mA	SOT-89-5	32vy	VR4	6h	Tor
0CM	XC6210C502PR	LVR-IC	LDO, -CE, PDR, 5V±2%, 700mA	SOT-89-5	32vy	VR4	6h	Tor
0D0	XC6210D312PR	LVR-IC	LDO, -CE, 3.1V±2%, 700mA	SOT-89-5	32vy	VR4	6h	Tor
0D1	XC6210D322PR	LVR-IC	LDO, -CE, 3.2V±2%, 700mA	SOT-89-5	32vy	VR4	6h	Tor
0D2	XC6210D332PR	LVR-IC	LDO, -CE, 3.3V±2%, 700mA	SOT-89-5	32vy	VR4	6h	Tor
0D3	XC6210D342PR	LVR-IC	LDO, -CE, 3.4V±2%, 700mA	SOT-89-5	32vy	VR4	6h	Tor
0D4	XC6210D352PR	LVR-IC	LDO, -CE, 3.5V±2%, 700mA	SOT-89-5	32vy	VR4	6h	Tor
0D5	XC6210D362PR	LVR-IC	LDO, -CE, 3.6V±2%, 700mA	SOT-89-5	32vy	VR4	6h	Tor
0D6	XC6210D372PR	LVR-IC	LDO, -CE, 3.7V±2%, 700mA	SOT-89-5	32vy	VR4	6h	Tor
0D7	XC6210D382PR	LVR-IC	LDO, -CE, 3.8V±2%, 700mA	SOT-89-5	32vy	VR4	6h	Tor
0D8	XC6210D392PR	LVR-IC	LDO, -CE, 3.9V±2%, 700mA	SOT-89-5	32vy	VR4	6h	Tor
0D9	XC6210D402PR	LVR-IC	LDO, -CE, 4V±2%, 700mA	SOT-89-5	32vy	VR4	6h	Tor

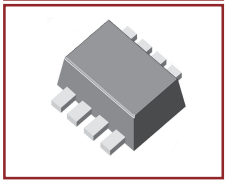
SECTION 8

6 and more pin CASES SMD SEMICONDUCTOR COMPONENTS



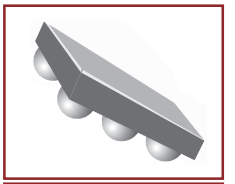
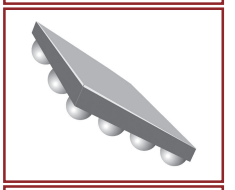
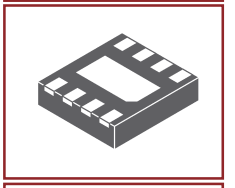
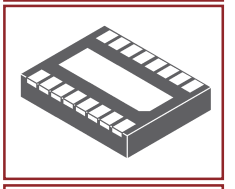
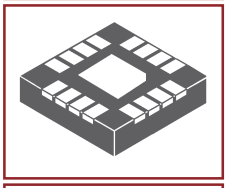
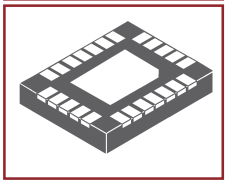






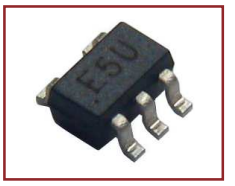
SMD code	Type	Function	Short description	Case	Pin.	Sch.	St.	Mnf.
+ACLW	MAX16052AUT+T	Vdet-IC	Adjustable sequencing/supervisory, 2.25..16V, ODO	SOT-23-6	33	-	7b	Max
+ACLX	MAX16053AUT+T	Vdet-IC	Adjustable sequencing/supervisory, 2.25..16V, PPO	SOT-23-6	33	-	7b	Max
00	KIC7W00FK	CMOS-Logic	Dual 2-input NAND gates	US8	47/Log50	Log50	8c	Kec
00	XC74WL00AASR	CMOS-Logic	Dual 2-input NAND gates	MSOP-8B	47/Log50	Log50	8d	Tor
005	FAN7005MU	LIN-IC	AF PA, 2.7..5.5V, 2x300mW(5V/8Ω), shutdown	SSOP-8	47	AFP17	8d	F
00B	U74HC2G02-SM1	CMOS-Logic	Dual 2-input NOR gates	MSOP-8	47/Log53	Log53	8d	Utc
00BL	U74HC2G02L-SM1	CMOS-Logic	Dual 2-input NOR gates	MSOP-8	47/Log53	Log53	8d	Utc
00W	U74HC2G00-SM1	CMOS-Logic	Dual 2-input NAND gates	MSOP-8	47/Log50	Log50	8d	Utc
00WL	U74HC2G00L-SM1	CMOS-Logic	Dual 2-input NAND gates	MSOP-8	47/Log50	Log50	8d	Utc
024	FAN7024MU	LIN-IC	AF PA, BTL, 2.3..5.5V, 675mW(5V/8Ω), shutdown	SSOP-8	47	AFP12	8d	F
03B	U74HC2G32-SM1	CMOS-Logic	Dual 2-input OR gates	MSOP-8	47/Log52	Log52	8d	Utc
03BL	U74HC2G32L-SM1	CMOS-Logic	Dual 2-input OR gates	MSOP-8	47/Log52	Log52	8d	Utc
04	KIC7W04FK	CMOS-Logic	Triple inverters	US8	47/Log56	Log56	8c	Kec
04	XC74WL04AASR	CMOS-Logic	Triple inverters	MSOP-8B	47/Log56	Log56	8d	Tor
05	R1163D151E	LVR-IC	LDO, +CE, 1.5V±1.5%, 150mA	SON-6	34vrc	VR10	7g	Ric
05	XC74WL02AASR	CMOS-Logic	Dual 2-input NOR gates	MSOP-8B	47/Log53	Log53	8d	Tor
05/S0	SMS05	TVS	Quad, 5V, 24A, 350W(1ms)	SOT-23-6L	33dx	-	7b	Smt
06	R1163D161E	LVR-IC	LDO, +CE, 1.6V±1.5%, 150mA	SON-6	34vrc	VR10	7g	Ric
07	R1163D171E	LVR-IC	LDO, +CE, 1.7V±1.5%, 150mA	SON-6	34vrc	VR10	7g	Ric
08	KIC7W08FK	CMOS-Logic	Dual 2-input AND gates	US8	47/Log51	Log51	8c	Kec
08	R1163D181E	LVR-IC	LDO, +CE, 1.8V±1.5%, 150mA	SON-6	34vrc	VR10	7g	Ric
08	XC74WL08AASR	CMOS-Logic	Dual 2-input AND gates	MSOP-8B	47/Log51	Log51	8d	Tor
09	R1163D191E	LVR-IC	LDO, +CE, 1.9V±1.5%, 150mA	SON-6	34vrc	VR10	7g	Ric
0A	MUN5111DW	Si-pnp-Digi	Dual, Sw, 2x50V, 100mA, 400mW, R1/R2=10/10k	SOT-363	33/TD4	-	7b	Mot
0A	R1161D281A5	LVR-IC	LDO, -CE, 2.85V±2%, 350mA	SON-6	34vrc	VR10	7g	Ric
0A	R5326N001B	LVR-IC	LDO, Dual out, sep. +CE, Vo1=2V, Vo2=2V, 150mA	SOT-23-6	33rg	VR19	7f	Ric
0B	MUN5112DW	Si-pnp-Digi	Dual, Sw, 2x50V, 100mA, 400mW, R1/R2=22/22k	SOT-363	33/TD4	-	7b	Mot
0B	R1161D101A	LVR-IC	LDO, -CE, 1V±2%, 350mA	SON-6	34vrc	VR10	7g	Ric
0B	R5326N002B	LVR-IC	LDO, Dual out, sep. +CE, Vo1=2.8V, Vo2=2.8V, 150mA	SOT-23-6	33rg	VR19	7f	Ric
0C	MUN5113DW	Si-pnp-Digi	Dual, Sw, 2x50V, 100mA, 400mW, R1/R2=47k/47k	SOT-363	33/TD4	-	7b	Mot
0C	R1161D201A	LVR-IC	LDO, -CE, 2V±2%, 350mA	SON-6	34vrc	VR10	7g	Ric
0C	R5326N003B	LVR-IC	LDO, Dual out, sep. +CE, Vo1=1.8V, Vo2=3V, 150mA	SOT-23-6	33rg	VR19	7f	Ric
0D	MUN5114DW	Si-pnp-Digi	Dual, Sw, 2x50V, 100mA, 400mW, R1/R2=10/47k	SOT-363	33/TD4	-	7b	Mot
0D	R1161D301A	LVR-IC	LDO, -CE, 3V±2%, 350mA	SON-6	34vrc	VR10	7g	Ric
0D	R5326N004B	LVR-IC	LDO, Dual out, sep. +CE, Vo1=2.5V, Vo2=3V, 150mA	SOT-23-6	33rg	VR19	7f	Ric
0E	MUN5115DW	Si-pnp-Digi	Dual, Sw, 2x50V, 100mA, 400mW, R1=10k	SOT-363	33/TD4	-	7b	Mot
0E	R5326N005B	LVR-IC	LDO, Dual out, sep. +CE, Vo1=1.8V, Vo2=2.5V, 150mA	SOT-23-6	33rg	VR19	7f	Ric
0F	MUN5116DW	Si-pnp-Digi	Dual, Sw, 2x50V, 100mA, 400mW, R1=4k7	SOT-363	33/TD4	-	7b	Mot
0F	R1161D101B	LVR-IC	LDO, +CE, 1V±2%, 350mA	SON-6	34vrc	VR10	7g	Ric
0F	R5326N006B	LVR-IC	LDO, Dual out, sep. +CE, Vo1=1.8V, Vo2=3.3V, 150mA	SOT-23-6	33rg	VR19	7f	Ric
0G	MUN5130DW	Si-pnp-Digi	Dual, Sw, 2x50V, 100mA, 400mW, R1/R2=1k/1k0	SOT-363	33/TD4	-	7b	Mot
0G	R1161D201B	LVR-IC	LDO, +CE, 2V±2%, 350mA	SON-6	34vrc	VR10	7g	Ric
0G	R5326N007B	LVR-IC	LDO, Dual out, sep. +CE, Vo1=2.5V, Vo2=2.8V, 150mA	SOT-23-6	33rg	VR19	7f	Ric
0H	MUN5131DW	Si-pnp-Digi	Dual, Sw, 2x50V, 100mA, 400mW, R1/R2=2k2/2k2	SOT-363	33/TD4	-	7b	Mot
0H	R1161D301B	LVR-IC	LDO, +CE, 3V±2%, 350mA	SON-6	34vrc	VR10	7g	Ric
0H	R5326N008B	LVR-IC	LDO, Dual out, sep. +CE, Vo1=1.2V, Vo2=1.2V, 150mA	SOT-23-6	33rg	VR19	7f	Ric
0J	MUN5132DW	Si-pnp-Digi	Dual, Sw, 2x50V, 100mA, 400mW, R1/R2=4k/4k7	SOT-363	33/TD4	-	7b	Mot
0J	R1161D101D	LVR-IC	LDO, +CE, CL discharge, 1V±2%, 350mA	SON-6	34vrc	VR10	7g	Ric
0J	R5326N009B	LVR-IC	LDO, Dual out, sep. +CE, Vo1=1.5V, Vo2=1.6V, 150mA	SOT-23-6	33rg	VR19	7f	Ric
0K	MUN5133DW	Si-pnp-Digi	Dual, Sw, 2x50V, 100mA, 400mW, R1/R2=4k7/47k	SOT-363	33/TD4	-	7b	Mot
0K	R5326N010B	LVR-IC	LDO, Dual out, sep. +CE, Vo1=1.5V, Vo2=2.8V, 150mA	SOT-23-6	33rg	VR19	7f	Ric
0L	MUN5134DW	Si-pnp-Digi	Dual, Sw, 2x50V, 100mA, 400mW, R1/R2=22k/47k	SOT-363	33/TD4	-	7b	Mot
0L	R1161D201D	LVR-IC	LDO, +CE, CL discharge, 2V±2%, 350mA	SON-6	34vrc	VR10	7g	Ric
0L	R5326N011B	LVR-IC	LDO, Dual out, sep. +CE, Vo1=3V, Vo2=3V, 150mA	SOT-23-6	33rg	VR19	7f	Ric
0M	R1161D301D	LVR-IC	LDO, +CE, CL discharge, 3V±2%, 350mA	SON-6	34vrc	VR10	7g	Ric
0M	R5326N012B	LVR-IC	LDO, Dual out, sep. +CE, Vo1=3.1V, Vo2=3.1V, 150mA	SOT-23-6	33rg	VR19	7f	Ric
0N	MUN5136DW	Si-pnp-Digi	Dual, Sw, 2x50V, 100mA, 400mW, R1/R2=100k/100k	SOT-363	33/TD4	-	7b	Mot
0N	R5326N013B	LVR-IC	LDO, Dual out, sep. +CE, Vo1=2.7V, Vo2=1.8V, 150mA	SOT-23-6	33rg	VR19	7f	Ric
0P	MUN5137DW	Si-pnp-Digi	Dual, Sw, 2x50V, 100mA, 400mW, R1/R2=47k/22k	SOT-363	33/TD4	-	7b	Mot
0P	R5326N014B	LVR-IC	LDO, Dual out, sep. +CE, Vo1=1.8V, Vo2=2.6V, 150mA	SOT-23-6	33rg	VR19	7f	Ric
0Q	R5326N015B	LVR-IC	LDO, Dual out, sep. +CE, Vo1=3.3V, Vo2=3.3V, 150mA	SOT-23-6	33rg	VR19	7f	Ric
0R	R5326N016B	LVR-IC	LDO, Dual out, sep. +CE, Vo1=2.85V, Vo2=2.85V, 150mA	SOT-23-6	33rg	VR19	7f	Ric
10	R1163D201E	LVR-IC	LDO, +CE, 2V±1.5%, 150mA	SON-6	34vrc	VR10	7g	Ric
10.	MA3A100	Z-diode	Triple, 9.4..10.6V, 70mA, , Zzt=8Ω, 100mW,	SOP-6	33bb	-	7b	Pan
105	FC105	Si-pnp-Digi	Dual, Sw, 50V, 100mA, 200mW, 200MHz, R1/R2=47k/47k	SOT-363	33/TD4	-	7b	San
106	FC106	Si-npn-Digi	Dual, Sw, 50V, 100mA, 200mW, 200MHz, R1/R2=47k/47k	SOT-363	33/TD3	-	7b	San
10N02Z	MMSF10N02Z	MOS-n-FET-e*	V-MOS, LogL, 20V, 7A, 2.5W, <16mΩ(5A), 65/325ns	SOP-8	47fs	-	8d	Ons
11	MUN5311DW	Si-n/p-Digi	Dual, Sw, 50V, 100mA, 200mW, R1/R2=10/10k	SOT-363	33/TD2	-	7b	Mot
11	R1163D211E	LVR-IC	LDO, +CE, 2.1V±1.5%, 150mA	SON-6	34vrc	VR10	7g	Ric
1166	LT1166CS8	LIN-IC	Dual AF voltage amplifier (60W AF PA driver)	SOP-8	47	-	8d	Ltc

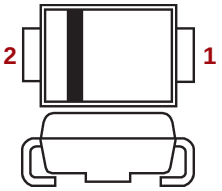
SECTION 9
BGA and LLP CASES SMD SEMICONDUCTOR COMPONENTS

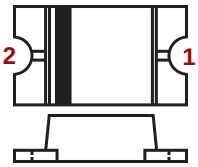
SMD code	Type	Function	Short description	Case	Pin.	Sch.	St.	Mnf.
_ _ _HE_	SN74AUP2G08YFP	CMOS-Logic	Dual 2-input AND gates	MBGA-8	50/Log51	Log51	9d	Ti
_ _ _HE_	SN74AUP2G08YZP	CMOS-Logic	Dual 2-input AND gates	BGA-8	50/Log51	Log51	9d	Ti
_ _ _HM_	SN74AUP2G125YFP	CMOS-Logic	Dual bus buffer with 3-state output	MBGA-8	50/Log54	Log54	9d	Ti
_ _ _HM_	SN74AUP2G125YZP	CMOS-Logic	Dual bus buffer with 3-state output	BGA-8	50/Log54	Log54	9d	Ti
_ _ _HN_	SN74AUP2G126YFP	CMOS-Logic	Bus buffer gate with 3-state output	MBGA-8	50/Log13	Log13	9d	Ti
_ _ _HN_	SN74AUP2G126YZP	CMOS-Logic	Bus buffer gate with 3-state output	BGA-8	50/Log13	Log13	9d	Ti
_ _ _C2_	SN74LVC1G10YZP	CMOS-Logic	3-input NAND gate	BGA-6	40/Log29	Log29	9d	Ti
_ _ _C2_	SN74LVC2G241YZP	CMOS-Logic	Dual bus buffer non-inverted with 3-state output	BGA-8	50/Log60	Log60	9d	Ti
_ _ _C3_	SN74LVC2G157YZP	CMOS-Logic	2-input multiplexer	BGA-8	50/Log66	Log66	9d	Ti
_ _ _C4_	SN74LVC2G53YZP	CMOS-Logic	2-channel analog multiplexer/demultiplexer	BGA-8	50/Log58	Log58	9d	Ti
_ _ _C6_	SN74LVC2G66YZP	CMOS-Logic	2-channel analog switch	BGA-8	50/Log68	Log68	9d	Ti
_ _ _C7_	SN74LVC2G17YZP	CMOS-Logic	Dual Schmitt-trigger buffers	BGA-6	40/Log27	Log27	9d	Ti
_ _ _C9_	SN74LVC2G34YZP	CMOS-Logic	Dual non-inverter buffers	BGA-6	40/Log23	Log23	9d	Ti
_ _ _CA_	SN74LVC2G00YZP	CMOS-Logic	Dual 2-input NAND gates	BGA-8	50/Log50	Log50	9d	Ti
_ _ _CB_	SN74LVC2G02YZP	CMOS-Logic	Dual 2-input NOR gates	BGA-8	50/Log53	Log53	9d	Ti
_ _ _CC_	SN74LVC2G04YZP	CMOS-Logic	Dual inverters	BGA-6	40/Log24	Log24	9d	Ti
_ _ _CE_	SN74LVC2G08YZP	CMOS-Logic	Dual 2-input AND gates	BGA-8	50/Log51	Log51	9d	Ti
_ _ _CF_	SN74LVC2G14YZP	CMOS-Logic	Dual Schmitt-trigger inverter buffers	BGA-6	40/Log34	Log34	9d	Ti
_ _ _CG_	SN74LVC2G32YZP	CMOS-Logic	Dual 2-input OR gates	BGA-8	50/Log52	Log52	9d	Ti
_ _ _CK_	SN74LVC2G240YZP	CMOS-Logic	Dual bus buffer inverted with 3-state output	BGA-8	50/Log67	Log67	9d	Ti
_ _ _CM_	SN74LVC2G125YZP	CMOS-Logic	Dual bus buffer with 3-state output	BGA-8	50/Log54	Log54	9d	Ti
_ _ _CN_	SN74LVC2G126YZP	CMOS-Logic	Bus buffer gate with 3-state output	BGA-8	50/Log13	Log13	9d	Ti
_ _ _CT_	SN74LVC2G06YZP	CMOS-Logic	Dual inverter buffers/drivers (ODO)	BGA-6	40/Log25	Log25	9d	Ti
_ _ _CU_	SN74LVC1G27YZP	CMOS-Logic	3-input NOR gate	WCSP-6	40/Log31	Log31	9d	Ti
_ _ _CV_	SN74LVC2G07YZP	CMOS-Logic	Dual noninverting buffers/drivers (ODO)	BGA-6	40/Log26	Log26	9d	Ti
_ _ _D3_	SN74LVC1G373YZP	CMOS-Logic	D-type transparent latch with 3-state output	WCSP-6	40/Log35	Log35	9d	Ti
_ _ _D5_	SN74LVC2G132YZP	CMOS-Logic	Dual 2-input NOR gates with Schmitt-trigger inputs	BGA-8	50/Log49	Log49	9d	Ti
_ _ _D7_	SN74LVC1G38YEP	CMOS-Logic	2-input NAND gate (ODO)	BGA-5	46/Log17	Log17	9a	Ti
_ _ _D7_	SN74LVC2G38YZP	CMOS-Logic	Dual 2-input NAND gate (ODO)	BGA-8	50/Log62	Log62	9d	Ti
_ _ _HP_	SN74AUP1G97YZP	CMOS-Logic	Configurable multiple-function gate	WCSP-6	40/Log41	Log41	9d	Ti
_ _ _HR_	SN74AUP1G98YZP	CMOS-Logic	Configurable multiple-function gate	WCSP-6	40/Log43	Log43	9d	Ti
_ _ _HV_	SN74AUP1G07YEP	CMOS-Logic	Noninverting buffer/driver (ODO)	BGA-5	46/Log8	Log8	9a	Ti
_ _ _HV_	SN74AUP1G07YZP	CMOS-Logic	Noninverting buffer/driver (ODO)	BGA-5	46/Log8	Log8	9a	Ti
_ _ _HW_	SN74AUP1G79YEP	CMOS-Logic	Positive edge-triggered D-type flip-flop	BGA-5	46/Log20	Log20	9a	Ti
_ _ _HW_	SN74AUP1G79YZP	CMOS-Logic	Positive edge-triggered D-type flip-flop	BGA-5	46/Log20	Log20	9a	Ti
_ _ _HX_	SN74AUP1G80YEP	CMOS-Logic	Positive edge-triggered D-type flip-flop	BGA-5	46/Log21	Log21	9a	Ti
_ _ _HX_	SN74AUP1G80YZP	CMOS-Logic	Positive edge-triggered D-type flip-flop	BGA-5	46/Log21	Log21	9a	Ti
_ _ _U2_	SN74AUC2G241YZP	CMOS-Logic	Dual bus buffer non-inverted with 3-state output	BGA-8	50/Log60	Log60	9d	Ti
_ _ _U6_	SN74AUC2G66YZP	CMOS-Logic	2-channel analog switch	BGA-8	50/Log68	Log68	9d	Ti
_ _ _U7_	SN74AUC1G17YEA	CMOS-Logic	Schmitt-trigger	BGA-5	46/Log11	Log11	9a	Ti
_ _ _U7_	SN74AUC1G17YEP	CMOS-Logic	Schmitt-trigger	BGA-5	46/Log11	Log11	9a	Ti
_ _ _U7_	SN74AUC1G17YZA	CMOS-Logic	Schmitt-trigger	BGA-5	46/Log11	Log11	9a	Ti
_ _ _U7_	SN74AUC1G17YZP	CMOS-Logic	Schmitt-trigger	BGA-5	46/Log11	Log11	9a	Ti
_ _ _U9_	SN74AUC2G34YZP	CMOS-Logic	Dual non-inverter buffers	BGA-6	40/Log23	Log23	9d	Ti
_ _ _UA_	SN74AUC1G00YEA	CMOS-Logic	2-input NAND gate	BGA-5	46/Log1	Log1	9a	Ti
_ _ _UA_	SN74AUC1G00YEP	CMOS-Logic	2-input NAND gate	BGA-5	46/Log1	Log1	9a	Ti
_ _ _UA_	SN74AUC1G00YZA	CMOS-Logic	2-input NAND gate	BGA-5	46/Log1	Log1	9a	Ti
_ _ _UA_	SN74AUC1G00YZP	CMOS-Logic	2-input NAND gate	BGA-5	46/Log1	Log1	9a	Ti
_ _ _UA_	SN74AUC2G00YZP	CMOS-Logic	Dual 2-input NAND gates	BGA-8	50/Log50	Log50	9d	Ti
_ _ _UB_	SN74AUC2G02YZP	CMOS-Logic	Dual 2-input NOR gates	BGA-8	50/Log53	Log53	9d	Ti
_ _ _UC_	SN74AUC2G04YEP	CMOS-Logic	Dual inverters	BGA-6	40/Log24	Log24	9d	Ti
_ _ _UC_	SN74AUC2G04YZP	CMOS-Logic	Dual inverters	BGA-6	40/Log24	Log24	9d	Ti
_ _ _UD_	SN74AUC2GU04YZP	CMOS-Logic	Dual inverters	BGA-6	40/Log24	Log24	9d	Ti
_ _ _UE_	SN74AUC2G08YZP	CMOS-Logic	Dual 2-input AND gates	BGA-8	50/Log51	Log51	9d	Ti
_ _ _UF_	SN74AUC1G14YEA	CMOS-Logic	Inverting Schmitt-trigger	BGA-5	46/Log7	Log7	9a	Ti
_ _ _UF_	SN74AUC1G14YEP	CMOS-Logic	Inverting Schmitt-trigger	BGA-5	46/Log7	Log7	9a	Ti
_ _ _UF_	SN74AUC1G14YZA	CMOS-Logic	Inverting Schmitt-trigger	BGA-5	46/Log7	Log7	9a	Ti
_ _ _UF_	SN74AUC1G14YZP	CMOS-Logic	Inverting Schmitt-trigger	BGA-5	46/Log7	Log7	9a	Ti
_ _ _UG_	SN74AUC1G32YEA	CMOS-Logic	2-input OR gate	BGA-5	46/Log4	Log4	9a	Ti
_ _ _UG_	SN74AUC1G32YEP	CMOS-Logic	2-input OR gate	BGA-5	46/Log4	Log4	9a	Ti
_ _ _UG_	SN74AUC1G32YZA	CMOS-Logic	2-input OR gate	BGA-5	46/Log4	Log4	9a	Ti
_ _ _UG_	SN74AUC1G32YZP	CMOS-Logic	2-input OR gate	BGA-5	46/Log4	Log4	9a	Ti
_ _ _UG_	SN74AUC2G32YZP	CMOS-Logic	Dual 2-input OR gates	BGA-8	50/Log52	Log52	9d	Ti
_ _ _UH_	SN74AUC2G86YZP	CMOS-Logic	Dual 2-input EXCLUSIVE-OR gates	BGA-8	50/Log65	Log65	9d	Ti
_ _ _UK_	SN74AUC1G240YEP	CMOS-Logic	Bus buffer inverted with 3–state output	BGA-5	46/Log22	Log22	9a	Ti
_ _ _UK_	SN74AUC1G240YZP	CMOS-Logic	Bus buffer inverted with 3–state output	BGA-5	46/Log22	Log22	9a	Ti
_ _ _UK_	SN74AUC2G240YZP	CMOS-Logic	Dual bus buffer inverted with 3-state output	BGA-8	50/Log67	Log67	9d	Ti
_ _ _UM_	SN74AUC1G125YEA	CMOS-Logic	Bus buffer gate with 3-state output	BGA-5	46/Log14	Log14	9a	Ti
_ _ _UM_	SN74AUC1G125YEP	CMOS-Logic	Bus buffer gate with 3-state output	BGA-5	46/Log14	Log14	9a	Ti
_ _ _UM_	SN74AUC1G125YZA	CMOS-Logic	Bus buffer gate with 3-state output	BGA-5	46/Log14	Log14	9a	Ti

SECTION 10
CONVENTIONAL CASE DRAWINGS

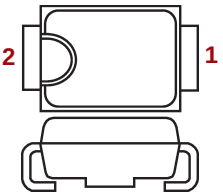




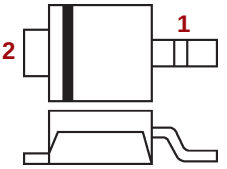
1 Top view



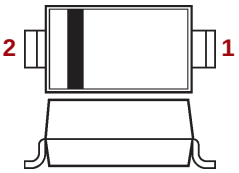
2 Top view



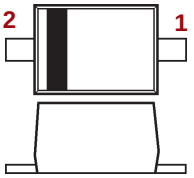
3 Top view



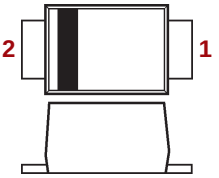
4 Top view



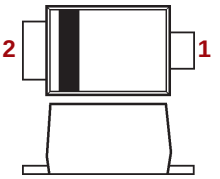
5 Top view



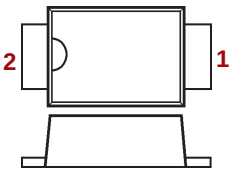
6 Top view



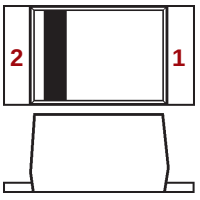
7 Top view



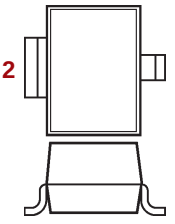
8 Top view



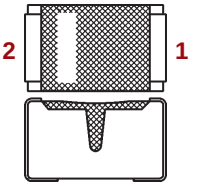
9 Top view



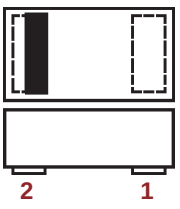
10 Top view



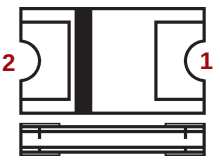
11 Top view



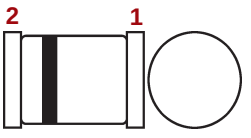
12 Top view



13 Top view



14 Top view



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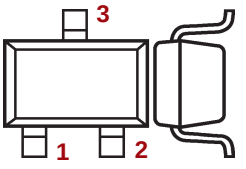
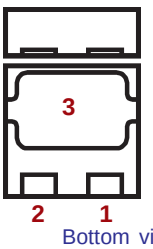
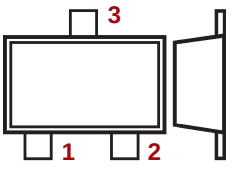


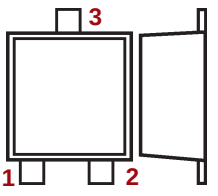
16 Top view



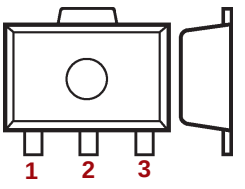
17 Bottom view



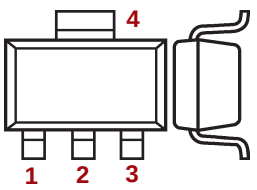
18 Top view



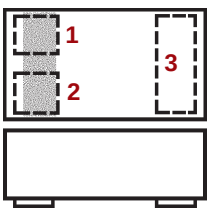
19 Top view



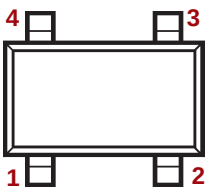
20 Top view



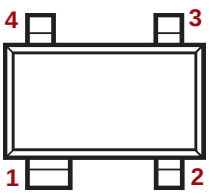
21 Top view



22 Bottom view



23 Top view

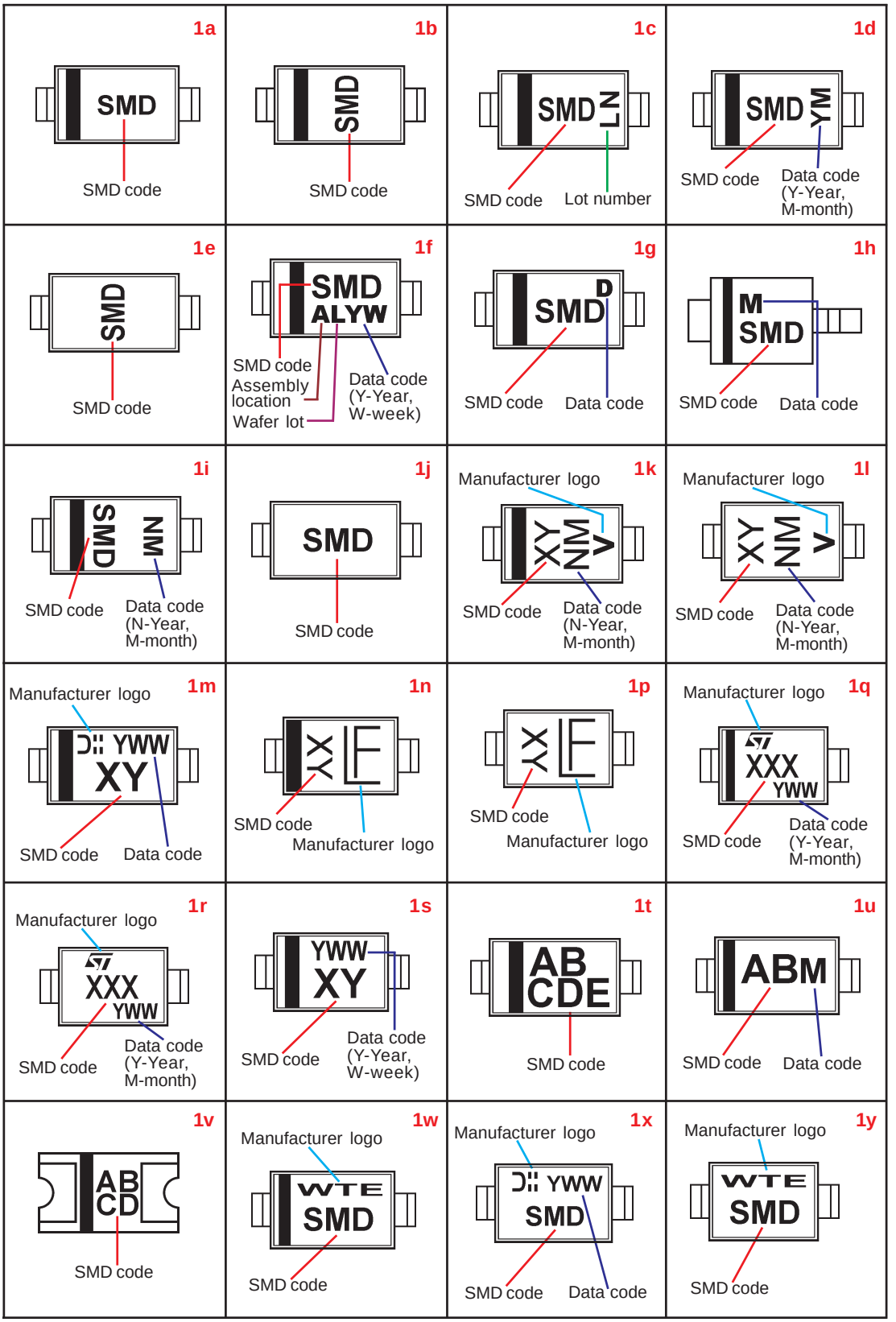


24 Top view

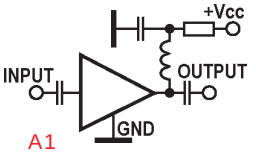
SECTION 12
PIN / TERMINAL FUNCTION (Table)

	PIN 1	PIN2	PIN3	PIN4	PIN5	PIN6	PIN7	PIN8
a	X	X						
a1	GND	GND	Input	GND	GND	Vcc/Output		
aa	Input	GND	Vcc/Output	GND				
ab	Input	GND	GND	Output	GND	Vcc		
ac	Vcc	GND	Input	GND	GND	Output	GND	GND
ae	Input	Vcc	GND	Output	GND	GND		
af	N/C	Vinput	N/C	GND	N/C	Voutput	N/C	N/C
ag	Contact	Contact	N/C					
ah	Contact	Contact						
ak	N/C	Cathode	Anode					
am	Vcc/Output	GND	Input	GND				
ba	K(A)	K(A)						
bb	Cathode1	Cathode2	Cathode3	Anode3	Anode2	Anode1		
bc	Cathode1	Common A	Cathode2	Cathode3	Cathode4			
bd	Cathode	Cathode	Anode					
be	Cathode1	Cathode2	A3/A4	Cathode3	Cathode4	A1/A2		
bf	Cathode1	Common A	Cathode2	Cathode3	Cathode4	Cathode5		
bg	Cathode1	Cathode2	Anode2	N/C	Anode1			
bh	Anode1	Common K	Anode2	Anode3	Anode4			
bi	Anode	Cathode	Anode	Anode	Cathode	Anode		
bj	Anode1	Anode2	K3/K4	Anode3	Anode4	K1/K2		
bk	Anode1	Cathode2	K3/A4	Anode3	Cathode4	K1/A2		
bm1	N/C	Cout	Dout	GND	V+	V-		
bm2	V-	V+	GND	Dout	Cout			
bn	OVP	Vinput	±CE	A GND	N/C	Feedback	SW	PGND
bp	Cathode	Cathode	Anode	Anode	Cathode	Cathode		
bq	GND	Voutput	Lx					
br	GND	Voutput	Ext					
bs	Anode1	Common K	Anode2	Common K				
bt	Cathode1	N/C	Cathode2	Common A				
bu	Anode1	N/C	Anode2	Common K				
bv	Anode1	N/C	Cathode2	K1/A2				
b w	Anode1	Common K	Anode2	Anode3	Common K	Anode4		
bx	Anode1	K1/A2	Cathode2	Cathode3	A3/K4	Anode4		
by	Cathode1	A1/K2	Anode2	Cathode3	A3/K4	Anode4		
bz	Cathode	Anode	Cathode					
c	Cathode1	Common A	Cathode2	Cathode3	N/C	Cathode4		
ca	Q	GND	+Input	-Input	Output			
cb	Vcc	Shutdown	Input L	Output L	GND	Output R	Input R	Cext
cd	K1/A2/K3	Cathode2	Anode3	Anode1				
ce	Cathode1	Cathode2	Anode2	Anode1				
cf	GND	Vinput	Vinput	Vinput	Voutput	Voutput	Voutput	N/C
cg	GND	Voutput	Vinput					
ch	Voutput	GND	Vinput					
cj	Voutput	Vinput	GND					
ck	Voutput	Adjust	Vinput					
cm	Adjust	Vinput	Voutput					
cn	Adjust	Voutput	Vinput					
co	±Reset	±MR	Vcc	GND				
cp	-Reset	GND	-MR	WDI	Vcc			
cq	±Reset	GND	±MR1	Vcc	±MR2			
cs	Anode1	Cathode1	Anode2	K2				
ct	Anode1	Cathode1	K2	Anode2				
cu	Vinput	GND	±CE	Shutdown	Voutput			
cv	Voutput	Shutdown	±CE	Vinput				
c w	Shutdown	GND	±CE	Vinput	Voutput			
cx	Vinput	GND	±CE	N/C	Voutput			
cy	Adjust	Vinput	Voutput	Vinput				
d	Anode	Cathode						
d1	Anode1	Common K	Anode2	N/C				
db	Anode1	K1/A2	Cathode2	N/C				
dc	Anode	N/C	Cathode					

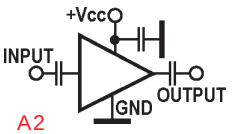
SECTION13
SMD-CODES MARKING STYLE


1a
SMD
SMD code
1b
SMD
SMD code
1c
SMD LN
SMD code
Lot number
1d
SMD YM
SMD code
Data code (Y-Year, M-month)
1e
SMD
SMD code
1f
SMD ALYW
SMD code
Assembly location
Wafer lot
Data code (Y-Year, W-week)
1g
SMD D
SMD code
Data code
1h
M SMD
SMD code
Data code
1i
SMD NM
SMD code
Data code (N-Year, M-month)
1j
SMD
SMD code
1k
Manufacturer logo
XY NM V
SMD code
Data code (N-Year, M-month)
1l
Manufacturer logo
XY NM V
SMD code
Data code (N-Year, M-month)
1m
Manufacturer logo
YWW
XY
SMD code
Data code
1n
XX LF
SMD code
Manufacturer logo
1p
XX LF
SMD code
Manufacturer logo
1q
Manufacturer logo
XXX
YWW
SMD code
Data code (Y-Year, M-month)
1r
Manufacturer logo
XXX
YWW
SMD code
Data code (Y-Year, M-month)
1s
YWW
XY
SMD code
Data code (Y-Year, W-week)
1t
AB CDE
SMD code
1u
ABM
SMD code
Data code
1v
AB CD
SMD code
1w
Manufacturer logo
WTE
SMD
SMD code
1x
Manufacturer logo
YWW
SMD
SMD code
Data code
1y
Manufacturer logo
WTE
SMD
SMD code

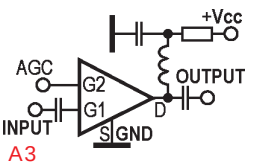
SECTION 14
SAMPLE SCHEMATIC DIAGRAMS



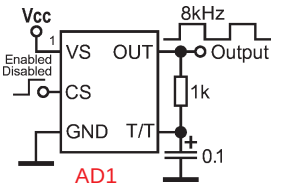
A1



A2



A3



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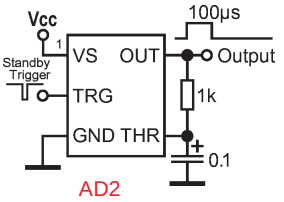
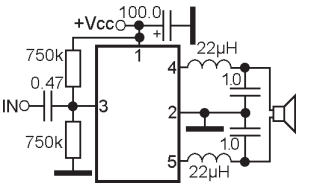
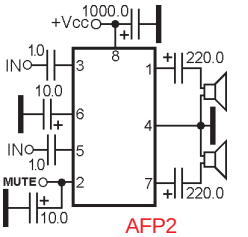


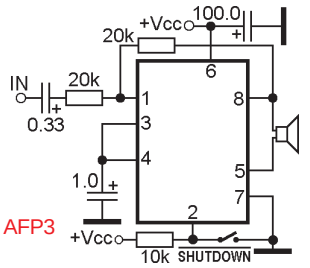
AD2



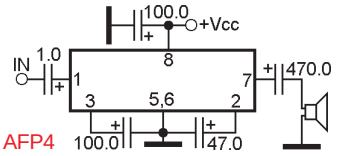
AFP1



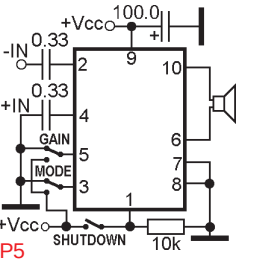
AFP2



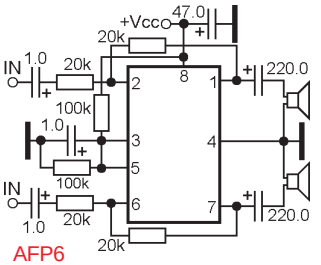
AFP3



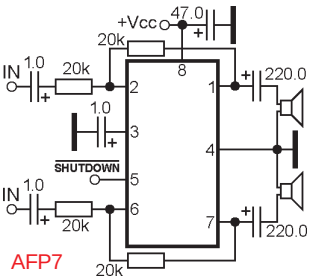
AFP4



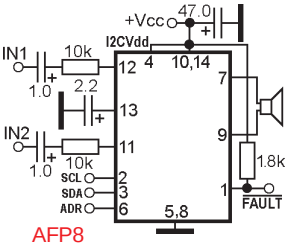
AFP5



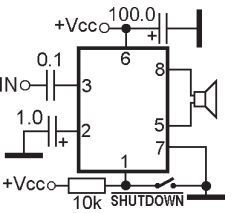
AFP6



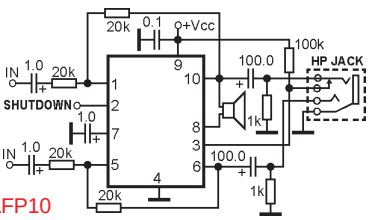
AFP7



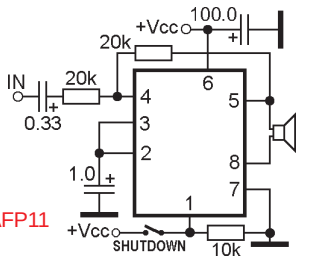
AFP8



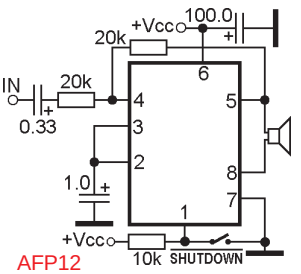
AFP9



AFP10



AFP11



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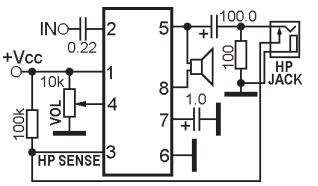

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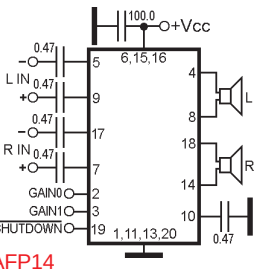

AFP14

LOGOS, CONTACT and WEB-ADRESSES OF THE NANUFACTURERS

Aat- Advanced Analog Technology
2F, No. 17, Gongye E. 2nd Rd., Science-Based Industrial Park, Hsinchu City 300, Taiwan
http://www.aatech.com.tw/index.aspx

Ad, And- Analog Devices
One Technology Way, Norwood, MA 02062, USA, Phone: 781/329-4700
http://www.analog.com

Adt- ADDtek
Taiwan-Taipei, Phone : +886-2-2570-0299, Fax : +886-2-2570-0196
http://www.addmtek.com/Index.htm

Agi- Agilent Technologies
395 Page Mill Rd. Palo Alto, CA 94306 USA, Phone: +1 (877) 424-4536
www.semiconductor.agilent.com

Aic- Analog Integrations Corporation
3A1, No.1, Li-Hsin Rd. I, Science Park, Hsinchu 300, Taiwan, R.O.C.
http://www.analog.com.tw

Ali- Alliance Semiconductor
12575 Augustine Drive, Santa Clara, CA 95054, USA, Phone: +1-408.855.4900
http://www.alsc.com

All- Allegro MicroSystems Inc.
115 Northeast Cutoff, Box 15036 Worcester, MA 01615, USA, Phone: +1-508-853-5000
http://www.allegromicro.com

Ame- AME, Inc.
2F, 189 Kang-Chien Road, Nei-Hu Dist. Taipei 114 Taiwan, R.O.C., Phone: 886 2 2627-8687
www.ame.com.tw

Ana- Anachip Corp.
2F, No.24-2, Industry E. Rd. IV, Science-Based Industrial Park, Hsinchu 300, Taiwan
Phone: +886-3-5678234
www.anachip.com.tw

Anp- Anpec Electronics Corp.
5F, No. 2 Li-Hsin Road, SBIP, Hsin-Chu, Taiwan, R.O.C. Phone: 886-3-5642000
www.anpec.com.tw

Ant- Advanced Analogic Technologies, Inc.
830 E. Arques Avenue, Sunnyvale, CA 94085, USA, Phone: (408) 737-4600
http://www.analogictech.com

Aom- Alpha & Omega Semiconductor
495 Mercury Drive, Sunnyvale, CA 94085, USA, Phone: +1 (408) 830-9742
http://www.aosmd.com/

Ask- AKM Semiconductor Inc.
1731 Technology Drive Suite 500, San Jose, CA 95110, USA
http://akm.com/index.asp

Atr- Aimtron
2F, No.10, Prosperity RD. II, Science-Based Industrial Park, Hsinchu 300,Taiwan, R.O.C.
Phone: 886-3-563-0878
http://www.aimtron.com.tw

Auk- AUK Semiconductor Corp.
Shinheung-dong, Iksan, Jeollabuk-do, Korea, Phone: 063-835-7111
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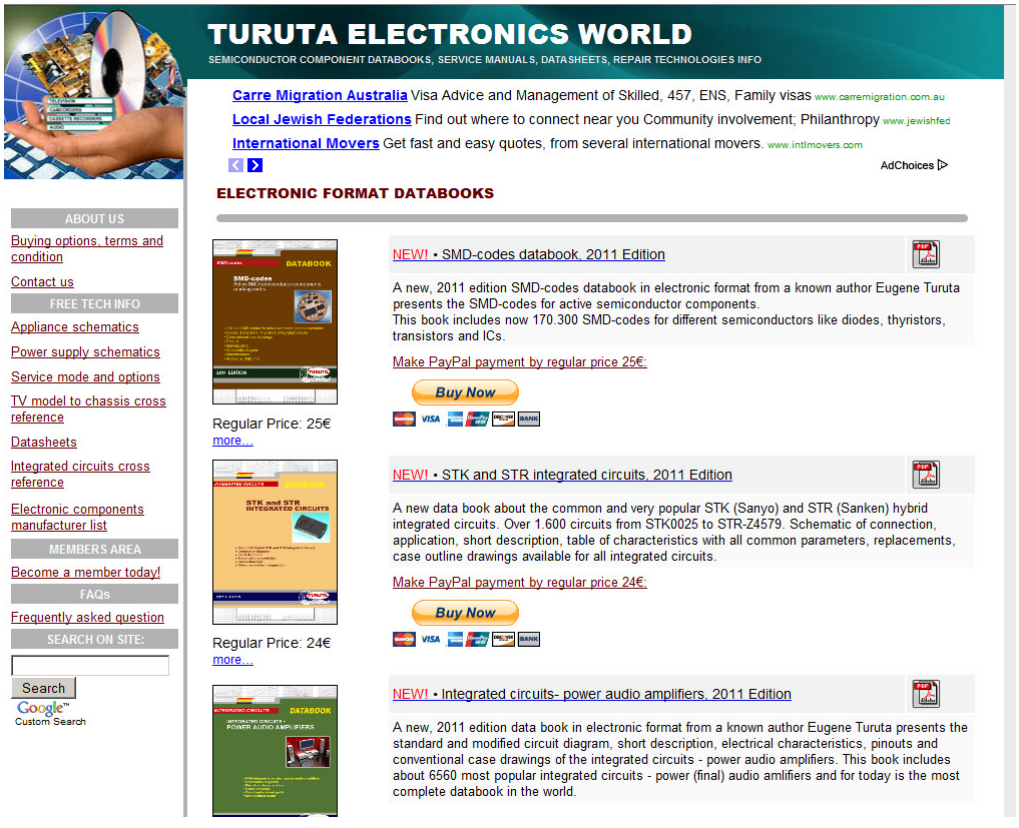

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