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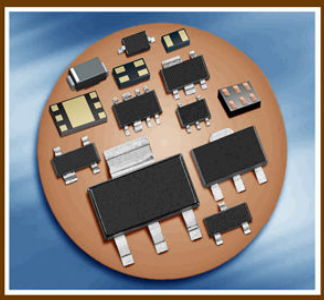
SMD-codes

DATABOOK

SMD-codes

Active SMD semiconductor components marking codes



- 170.300 SMD-codes for active semiconductor components:
- Diodes, Transistors, Thyristors, Integrated Circuits
- Conventional case drawings
- Pinouts
- Marking style
- Schematic diagram
- Manufacturers
- Additional SMD info

2011 EDITION

TURUTA MatCMiRaJ

ELECTRONICS COMPONENTS

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Active SMD components marking codes

databook

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Toronto, 2011 edition
Chisinau, 2011 edition

Introduction

At earlier eighties began a trend to replace a traditional through - hole technique with the surface mounted technology (SMT) using surface mounted devices (SMD). The SMT, although intended in principle for automatic manufacturing only expand more and more, even into a hobby world. This trend will continue, because many new components are available in SMD versions only. The SMT technique opens advantages and new applications through miniaturising of the components and increasing of reliability. The industry standard unfortunately allows that most of the SMD components does not have a clear description. Since a tiny size of the components, they are labelled with 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. Therefore a sure identification of the components is impossible without appropriate technical documentation. Moreover the polarity and pin - outs of different components could be not identified without data sheets.

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 17 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 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

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
-FET	Field Effect Transistor
-FET*	FET with integrated gate protection diode
-FETd	FET, depletion type
-FETe	FET, enhancement type
HEMT	High electron mobility transistors
H-IC	Hall-effect sensor integrated circuit
LDR-IC	LED driver 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
-MOSFET	Metal-Oxide-Semiconductor FET
-MOSFET*	MOSFET, with integrated gate protection diode
-MOSFETd	MOSFET, depletion type
-MOSFETe	MOSFET, enhancement type
-MESFET	MEtal-Semiconductor FET
n-	n-channel junction transistor
n/p-	n-channel and p-channel transistors area
Op-IC	Operational amplifier integrated circuit
p-	p-channel junction transistor
PHEMT	Pseudomorphic high electron mobility transistors
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

Si-npn-Digi+Di	Silicon npn “digital” transistor with internal diode
Si-pnp	Silicon pnp transistor
Si-pnp-Darl	Silicon pnp Darlington transistor
Si-pnp-Digi	Silicon pnp “digital” transistor
Si-npn-Digi+Di	Silicon pnp “digital” transistor with internal diode
SiGe-npn	Silicon/Geramanium npn transistor
Si-Stab	Silicon stabistor
SVR-IC	Switching Voltage Regulator integrated circuit
Tdet-IC	Thermal detector integrated circuit
Thy-SPD	Thyristor-surge protector device
Triac	Triode for alternating current
TVS	Transient voltage supressor
Vdet-IC	Voltage Detector integrated circuit
VR-IC	Voltage regulator integrated circuit
Vref-IC	Voltage Reference integrated circuit
Z-diode	Zenner diode

Column 4 (“Short description”)
Short data or description of function of each type.
Used abbreviations:

Adj.	Adjust, adjustable
AF	Audio Frequency
AGC	Automatic Gain Control
ALC	Automatic Level Control
AM	Amplitude Modulation (AM range)
Amp	Amplifier
Ant	Antenna
Att	Attenuator
Aval	Avalanshe
Disc.	Internal CL discharge
BTL	Bridge Tied Loads
Buff	Buffer
CATV	Broad band cable amplifier
+CE	Active HIGH Chip Enable
-CE	Active LOW Chip Enable
Cell	Cellular
CL	Internal CL discharge resistor
Contr	Controlled
Conv	Converter
Cordl	Cordless
Det	Detector
DG	Dual Gate
Diff	Differential
Dr, Drv	Driver
EN	Enable
Ext.	External
FM	Frequency Modulation (FM range)
GaAs	Gallium arsenide
GP	General Purpose Applications
HF	High Frequency
Hi-sp	High-speed
HSST	High-Speed Soft-Start
HV	High Voltage
I2C	I2C interface control
I2S	I2S interface
ICP	Inrush Current Protection
Instrum.	Instrumental
Latch-Pr.	Latch-Protection
LDO	Low drop voltage
LED	Light-emitting diode
LLS	Logic Level Shifter
LN	Low Noise
LogL	Logic Level (Uth > 0,8...2V)
Lo-sat	Low collector-emitter saturation voltage
LSST	Low-Speed Soft-Start
Mix	Mixer
MR	Manual Reset
ODO	Open Drain Output
OCO	Open Collector Output
OVIn	Over Voltage Rest Input (negative)
OVP	Over Voltage Protection
Osc	Oscillator
Out	Output
OV	Latched OverVoltage function
PA	Power Amplifier
PAD	Pico-Amper Diode
PCA	Pulse Current Amplitude modulation
PDR	Internal pull-down resistor
PFM	Pulse-frequency modulation
Pow	Power
PPO	Push-Pull Output
PSM	Pulse-skip modulation
PUR	Internal pull-up resistor
PWM	Pulse-width modulation
Rect.	Rectifier
Reg.	Regulated
Res.	Resistor
Reset-Pr.	Reset-Protection
RF	Radio Frequency applications
Rt	Reset delay time
SBD	Schottky Barrier Diode
SBR	Schottky Barrier Rectifier Diode
SPI	SPI interface
St-dwn	Step-down
Supress.	Supressor
Sw.	Switching
TMBSR	Trench MOS Barrier Schottky Rectifier
T-MOS	Trench-FET MOSFET
Trd	Time Reset Delay
Tun	Tuner
U-Speed	Ultra-speed
UHF	RF applications (>250 MHz)
ULN	Ultra Low-Noise
UV	Latched UperVoltage function
UVLO	Under voltage lock output
Var	Variable
VCO	Voltage controlled oscillator
VDet	Volatge Detector
Vdi	Input volatge detection
Vdo	Output volatge detection
VHF	RF applications (100...250MHz)
VFM	Voltage-Frequency Modulation
Vid	Video output stages
V-MOS	Vertical Metal Oxide Semiconductor
VR	Voltage Regulator
WB	Wide Band
WD	Watch-Dog Timer

Column 5 (“Case”)
Manufacturers case designation.

Column 6 (“Pin.”)
Related drawing number and pin assignment (section 12, 13, 14).

Column 7 (“Sch.”)
Sample schematic connection for some ICs. All drawings are placed in the section 16.

Column 8 (“St.”)
“Style” (upercase placement) of the SMD-code and additional infomation drawing. All drawings are placed in the section 15.

Column 9 (“Mnf.”)
The names of the manufacturers are abbreviated to save space. The complete name, logos, contact and web-adresses of each manufacurer is listed alphabetically on section 17.

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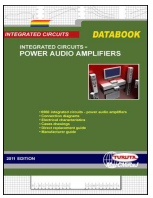

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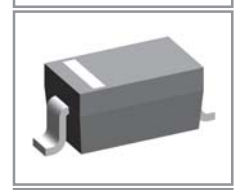
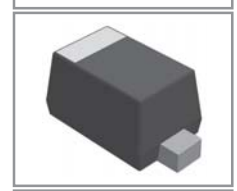
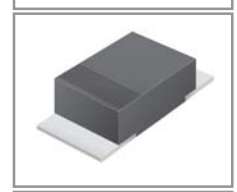
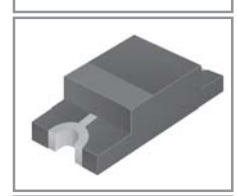
SECTION 1
2-pin CASES SMD SEMICONDUCTOR COMPONENTS



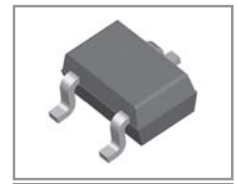
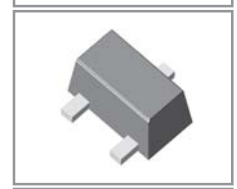
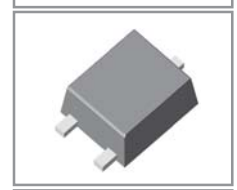

SMD code	Type	Function	Short description	Case	Pinout	St.	Mnf.
_Z	MM3Z51VB	Z-diode	49.98..52.02V, Zzt=169Ω, Izt=2mA, 200mW	SOD-323FL	7d	1a	F
+5	BZX584B3V9	Z-diode	3.82..3.98V, Izt=5mA, Zzt=90Ω, 200mW	SOD-523FL	7d	1a	Tac
+5	MM5Z3V9B	Z-diode	3.82..3.98V, Izt=5mA, Zzt=90Ω, 200mW	SOD-523FL	7d	1a	Tac
<5	BZX584B75V	Z-diode	73.50..76.50V, Izt=2mA, Zzt=255Ω, 200mW	SOD-523FL	7d	1a	Tac
<5	MM5Z75VB	Z-diode	73.50..76.50V, Izt=2mA, Zzt=255Ω, 200mW	SOD-523FL	7d	1a	Tac
<Z	BZT52-B75S	Z-diode	73.50..76.50V, Izt=2mA, Zzt=255Ω, 200mW	SOD-323FL	7d	1a	Tsc
<Z	MM3Z75VB	Z-diode	73.5..76.50V, Zzt=240Ω, Izt=2mA, 200mW	SOD-323FL	7d	1a	F
<Z	MM3Z75VBW	Z-diode	73.50..76.50V, Izt=2mA, Zzt=255Ω, 200mW	SOD-323FL	7d	1a	Tac
<Z	TCMM3Z75VB	Z-diode	75V±2%, Izt=5mA, Zzt=240Ω, 200mW	SOD-323FL	7d	1a	Tac
=5	BZX584B56V	Z-diode	54.88..57.12V, Izt=2mA, Zzt=200Ω, 200mW	SOD-523FL	7d	1a	Tac
=5	MM5Z56VB	Z-diode	54.88..57.12V, Izt=2mA, Zzt=200Ω, 200mW	SOD-523FL	7d	1a	Tac
=Z	BZT52-B56S	Z-diode	54.88..57.12V, Izt=2mA, Zzt=200Ω, 200mW	SOD-323FL	7d	1a	Tsc
=Z	MM3Z56VB	Z-diode	54.88..57.12V, Zzt=188Ω, Izt=2mA, 200mW	SOD-323FL	7d	1a	F
=Z	MM3Z56VBW	Z-diode	54.88..57.12V, Izt=2mA, Zzt=200Ω, 200mW	SOD-323FL	7d	1a	Tac
=Z	TCMM3Z56VB	Z-diode	56V±2%, Izt=5mA, Zzt=188Ω, 200mW	SOD-323FL	7d	1a	Tac
>5	BZX584B68V	Z-diode	66.64..69.36V, Izt=2mA, Zzt=240Ω, 200mW	SOD-523FL	7d	1a	Tac
>5	MM5Z68VB	Z-diode	66.64..69.36V, Izt=2mA, Zzt=240Ω, 200mW	SOD-523FL	7d	1a	Tac
>Z	BZT52-B68S	Z-diode	66.64..69.36V, Izt=2mA, Zzt=240Ω, 200mW	SOD-323FL	7d	1a	Tsc
>Z	MM3Z68VB	Z-diode	66.64..69.36V, Zzt=226Ω, Izt=2mA, 200mW	SOD-323FL	7d	1a	F
>Z	MM3Z68VBW	Z-diode	66.64..69.36V, Izt=2mA, Zzt=240Ω, 200mW	SOD-323FL	7d	1a	Tac
>Z	TCMM3Z68VB	Z-diode	68V±2%, Izt=5mA, Zzt=226Ω, 200mW	SOD-323FL	7d	1a	Tac
≡5	BZX584B62V	Z-diode	60.76..63.24V, Izt=2mA, Zzt=215Ω, 200mW	SOD-523FL	7d	1a	Tac
≡5	MM5Z62VB	Z-diode	60.76..63.24V, Izt=2mA, Zzt=215Ω, 200mW	SOD-523FL	7d	1a	Tac
≡Z	BZT52-B62S	Z-diode	60.76..63.24V, Izt=2mA, Zzt=215Ω, 200mW	SOD-323FL	7d	1a	Tsc
≡Z	MM3Z62VB	Z-diode	60.76..63.24V, Zzt=202Ω, Izt=2mA, 200mW	SOD-323FL	7d	1a	F
≡Z	MM3Z62VBW	Z-diode	60.76..63.24V, Izt=2mA, Zzt=215Ω, 200mW	SOD-323FL	7d	1a	Tac
≡Z	TCMM3Z62VB	Z-diode	62V±2%, Izt=5mA, Zzt=202Ω, 200mW	SOD-323FL	7d	1a	Tac
0	HVC300A	C-diode	VHF-Tuning, 32V, 2.6/39.5pF(25V..2V/1MHz)	UFP	6d	1b	Ren
0	HVE300A	C-diode	VHF-Tuning, 39.5/47.4pF(2V)	SOD-123	5d	1a	Ren
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
00	FDZ2.4T	Z-diode	2.2..2.6V, Izt=5mA, Zzt=100Ω, 200mW	SOD-323	5d	1a	Fis
00	MM3Z2V4	Z-diode	2.2..2.6V, Izt=5mA, Zzt=100Ω, 200mW	SOD-323	5d	1a	Sec
00	MM5Z2V4	Z-diode	2.4V±5%, Izt=5mA, Zzt=100Ω, 100mW	SOD-523	6d	1a	Ons,Wtr
00	MMPZ5221BPT	Z-diode	2.280..2.520V, Izt=5mA, Zzt=100Ω, 225mW	SOD-323	5d	1a	Chm
00	ZD02V4	Z-diode	2.2..2.6V, 5mA, Zzt=100Ω, 200mW	SOD-322	5d	1a	Cys
01	FDZ2.7T	Z-diode	2.5..2.9V, Izt=5mA, Zzt=100Ω, 200mW	SOD-323	5d	1a	Fis
01	MM3Z2V7	Z-diode	2.5..2.9V, Izt=5mA, Zzt=100Ω, 200mW	SOD-323	5d	1a	Sec
01	MM5Z2V7	Z-diode	2.7V±5%, Izt=5mA, Zzt=100Ω, 200mW	SOD-523	6d	1a	Wtr
01	MMPZ5223BPT	Z-diode	2.565..2.835V, Izt=5mA, Zzt=100Ω, 225mW	SOD-323	5d	1a	Chm
01	ZD02V7	Z-diode	2.5..2.9V, 5mA, Zzt=100Ω, 200mW	SOD-322	5d	1a	Cys
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

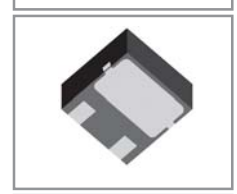
SECTION 2

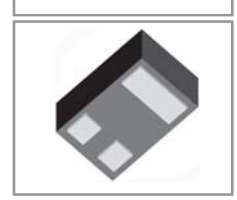
SOD-80 CASES SMD SEMICONDUCTOR COMPONENTS

SMD code	Type	Function	Short description	Case	Pinout	St.	Mnf.
10A	GLZ10A	Z-diode	9.12..9.59V, Zzt=8Ω, Izt=20mA, 500mW	SOD-80	15d	2c	Pjt
10A	TLZ10A	Z-diode	9.12..9.59V, Izt=20mA, Zzt=8Ω, 500mW	SOD-80	15d	2g	Ttr
10B	GLZ10B	Z-diode	9.41..9.90V, Zzt=8Ω, Izt=20mA, 500mW	SOD-80	15d	2c	Pjt
10B	TLZ10B	Z-diode	9.41..9.90V, Izt=20mA, Zzt=8Ω, 500mW	SOD-80	15d	2g	Ttr
10C	GLZ10C	Z-diode	9.70..10.20V, Zzt=8Ω, Izt=20mA, 500mW	SOD-80	15d	2c	Pjt
10C	TLZ10C	Z-diode	9.70..10.20V, Izt=20mA, Zzt=8Ω, 500mW	SOD-80	15d	2g	Ttr
10D	GLZ10D	Z-diode	9.94..10.44V, Zzt=8Ω, Izt=20mA, 500mW	SOD-80	15d	2c	Pjt
10D	TLZ10D	Z-diode	9.94..10.44V, Izt=20mA, Zzt=8Ω, 500mW	SOD-80	15d	2g	Ttr
11A	GLZ11A	Z-diode	10.18..10.71V, Zzt=10Ω, Izt=10mA, 500mW	SOD-80	15d	2c	Pjt
11A	TLZ11A	Z-diode	10.18..10.71V, Izt=10mA, Zzt=10Ω, 500mW	SOD-80	15d	2g	Ttr
11B	GLZ11B	Z-diode	10.50..11.05V, Zzt=10Ω, Izt=10mA, 500mW	SOD-80	15d	2c	Pjt
11B	TLZ11B	Z-diode	10.50..11.05V, Izt=10mA, Zzt=10Ω, 500mW	SOD-80	15d	2g	Ttr
11C	GLZ11C	Z-diode	10.82..11.38V, Zzt=10Ω, Izt=10mA, 500mW	SOD-80	15d	2c	Pjt
11C	TLZ11C	Z-diode	10.82..11.38V, Izt=10mA, Zzt=10Ω, 500mW	SOD-80	15d	2g	Ttr
11D	GLZ10D	Z-diode	9.94..10.44V, Izt=20mA, Zzt=8Ω, 500mW	LL-34	15d	2c	Kd
12A	GLZ12A	Z-diode	11.13..11.71V, Zzt=12Ω, Izt=10mA, 500mW	SOD-80	15d	2c	Pjt
12A	TLZ12A	Z-diode	11.13..11.71V, Izt=10mA, Zzt=12Ω, 500mW	SOD-80	15d	2g	Ttr
12B	GLZ12B	Z-diode	11.44..12.03V, Zzt=12Ω, Izt=10mA, 500mW	SOD-80	15d	2c	Pjt
12B	TLZ12B	Z-diode	11.44..12.03V, Izt=10mA, Zzt=12Ω, 500mW	SOD-80	15d	2g	Ttr
12C	GLZ12C	Z-diode	11.74..12.35V, Zzt=12Ω, Izt=10mA, 500mW	SOD-80	15d	2c	Pjt
12C	TLZ12C	Z-diode	11.74..12.35V, Izt=10mA, Zzt=12Ω, 500mW	SOD-80	15d	2g	Ttr
13A	GLZ13A	Z-diode	12.11..12.75V, Zzt=14Ω, Izt=10mA, 500mW	SOD-80	15d	2c	Pjt
13A	TLZ13A	Z-diode	12.11..12.75V, Izt=10mA, Zzt=14Ω, 500mW	SOD-80	15d	2g	Ttr
13B	GLZ13B	Z-diode	12.55..13.21V, Zzt=14Ω, Izt=10mA, 500mW	SOD-80	15d	2c	Pjt
13B	TLZ13B	Z-diode	12.55..13.21V, Izt=10mA, Zzt=14Ω, 500mW	SOD-80	15d	2g	Ttr
13C	GLZ13C	Z-diode	12.99..13.66V, Zzt=14Ω, Izt=10mA, 500mW	SOD-80	15d	2c	Pjt
13C	TLZ13C	Z-diode	12.99..13.66V, Izt=10mA, Zzt=14Ω, 500mW	SOD-80	15d	2g	Ttr
15 blue	RKZ15-2KD	Z-diode	14.5..15.1V, Izt=5mA, Zzt=40Ω, 500mW	LLD	15d	2g	Ren
15 pink	RKZ15-1KD	Z-diode	14.1..14.7V, Izt=5mA, Zzt=40Ω, 500mW	LLD	15d	2g	Ren
15 white	RKZ15-3KD	Z-diode	14.9..15.5V, Izt=5mA, Zzt=40Ω, 500mW	LLD	15d	2g	Ren
15A	GLZ15A	Z-diode	13.44..14.13V, Zzt=16Ω, Izt=10mA, 500mW	SOD-80	15d	2c	Pjt
15A	TLZ15A	Z-diode	13.44..14.13V, Izt=10mA, Zzt=16Ω, 500mW	SOD-80	15d	2g	Ttr
15B	GLZ15B	Z-diode	13.89..14.62V, Zzt=16Ω, Izt=10mA, 500mW	SOD-80	15d	2c	Pjt
15B	TLZ15B	Z-diode	13.89..14.62V, Izt=10mA, Zzt=16Ω, 500mW	SOD-80	15d	2g	Ttr
15C	GLZ15C	Z-diode	14.35..15.09V, Zzt=16Ω, Izt=10mA, 500mW	SOD-80	15d	2c	Pjt
15C	TLZ15C	Z-diode	14.35..15.09V, Izt=10mA, Zzt=16Ω, 500mW	SOD-80	15d	2g	Ttr
16 blue	RKZ16-2KD	Z-diode	15.7..16.5V, Izt=5mA, Zzt=45Ω, 500mW	LLD	15d	2g	Ren
16 pink	RKZ16-1KD	Z-diode	15.3..15.9V, Izt=5mA, Zzt=45Ω, 500mW	LLD	15d	2g	Ren
16 white	RKZ16-3KD	Z-diode	16.3..17.1V, Izt=5mA, Zzt=45Ω, 500mW	LLD	15d	2g	Ren
16A	GLZ16A	Z-diode	14.80..15.57V, Zzt=18Ω, Izt=10mA, 500mW	SOD-80	15d	2c	Pjt
16A	TLZ16A	Z-diode	14.80..15.57V, Izt=10mA, Zzt=18Ω, 500mW	SOD-80	15d	2g	Ttr
16B	GLZ16B	Z-diode	15.25..16.04V, Zzt=18Ω, Izt=10mA, 500mW	SOD-80	15d	2c	Pjt
16B	TLZ16B	Z-diode	15.25..16.04V, Izt=10mA, Zzt=18Ω, 500mW	SOD-80	15d	2g	Ttr
16C	GLZ16C	Z-diode	15.69..16.51V, Zzt=18Ω, Izt=10mA, 500mW	SOD-80	15d	2c	Pjt
16C	TLZ16C	Z-diode	15.69..16.51V, Izt=10mA, Zzt=18Ω, 500mW	SOD-80	15d	2g	Ttr
18 blue	RKZ18-2KD	Z-diode	17.5..18.3V, Izt=5mA, Zzt=55Ω, 500mW	LLD	15d	2g	Ren
18 pink	RKZ18-1KD	Z-diode	16.9..17.7V, Izt=5mA, Zzt=55Ω, 500mW	LLD	15d	2g	Ren
18 white	RKZ18-3KD	Z-diode	18.1..19.0V, Izt=5mA, Zzt=55Ω, 500mW	LLD	15d	2g	Ren
18A	GLZ18A	Z-diode	16.22..17.06V, Zzt=23Ω, Izt=10mA, 500mW	SOD-80	15d	2c	Pjt
18A	TLZ18A	Z-diode	16.22..17.06V, Izt=10mA, Zzt=23Ω, 500mW	SOD-80	15d	2g	Ttr
18B	GLZ18B	Z-diode	16.82..17.70V, Zzt=23Ω, Izt=10mA, 500mW	SOD-80	15d	2c	Pjt
18B	TLZ18B	Z-diode	16.82..17.70V, Izt=10mA, Zzt=23Ω, 500mW	SOD-80	15d	2g	Ttr
18C	GLZ18C	Z-diode	17.42..18.33V, Zzt=23Ω, Izt=10mA, 500mW	SOD-80	15d	2c	Pjt
18C	TLZ18C	Z-diode	16.22..18.33V, Izt=10mA, Zzt=23Ω, 500mW	SOD-80	15d	2g	Ttr
20 blue	RKZ20-2KD	Z-diode	19.5..20.4V, Izt=2mA, Zzt=60Ω, 500mW	LLD	15d	2g	Ren
20 pink	RKZ20-1KD	Z-diode	18.8..19.7V, Izt=2mA, Zzt=60Ω, 500mW	LLD	15d	2g	Ren
20 white	RKZ20-3KD	Z-diode	20.2..21.1V, Izt=2mA, Zzt=60Ω, 500mW	LLD	15d	2g	Ren
20A	GLZ20A	Z-diode	18.02..18.96V, Zzt=28Ω, Izt=10mA, 500mW	SOD-80	15d	2c	Pjt
20A	TLZ20A	Z-diode	18.02..18.96V, Izt=10mA, Zzt=28Ω, 500mW	SOD-80	15d	2g	Ttr
20B	GLZ20B	Z-diode	18.63..19.59V, Zzt=28Ω, Izt=10mA, 500mW	SOD-80	15d	2c	Pjt
20B	TLZ20B	Z-diode	18.63..19.59V, Izt=10mA, Zzt=28Ω, 500mW	SOD-80	15d	2g	Ttr
20C	GLZ20C	Z-diode	19.23..20.22V, Zzt=28Ω, Izt=10mA, 500mW	SOD-80	15d	2c	Pjt
20C	TLZ20C	Z-diode	19.23..20.22V, Izt=10mA, Zzt=28Ω, 500mW	SOD-80	15d	2g	Ttr
20D	GLZ20D	Z-diode	19.72..20.72V, Zzt=28Ω, Izt=10mA, 500mW	SOD-80	15d	2c	Pjt
20D	TLZ20D	Z-diode	19.72..20.72V, Izt=10mA, Zzt=28Ω, 500mW	SOD-80	15d	2g	Ttr
22 blue	RKZ22-2KD	Z-diode	21.6..22.6V, Izt=2mA, Zzt=65Ω, 500mW	LLD	15d	2g	Ren
22 pink	RKZ22-1KD	Z-diode	20.9..21.9V, Izt=2mA, Zzt=65Ω, 500mW	LLD	15d	2g	Ren
22 white	RKZ22-3KD	Z-diode	22.3..23.3V, Izt=2mA, Zzt=65Ω, 500mW	LLD	15d	2g	Ren
22A	GLZ22A	Z-diode	20.15..21.20V, Zzt=30Ω, Izt=5mA, 500mW	SOD-80	15d	2c	Pjt
22B	GLZ22B	Z-diode	20.64..21.71V, Zzt=30Ω, Izt=5mA, 500mW	SOD-80	15d	2c	Pjt

SECTION 3
3-pin CASES SMD SEMICONDUCTOR COMPONENTS





SMD code	Type	Function	Short description	Case	Pinout	Sch.	St.	Mnf.
#LN	ELM7541CEB	Vdet-IC	4.1V±2%, +Reset PPO	SC-70	16vdb	VD7	3d	Elm
#LN	ELM7541NEB	Vdet-IC	4.1V±2%, +Reset ODO	SC-70	16vdb	VD6	3d	Elm
*LN	ELM7546CEB	Vdet-IC	4.6V±2%, +Reset PPO	SC-70	16vdb	VD7	3d	Elm
*LN	ELM7546NEB	Vdet-IC	4.6V±2%, +Reset ODO	SC-70	16vdb	VD6	3d	Elm
/LN	ELM7554CEB	Vdet-IC	5.4V±2%, +Reset PPO	SC-70	16vdb	VD7	3d	Elm
/LN	ELM7554NEB	Vdet-IC	5.4V±2%, +Reset ODO	SC-70	16vdb	VD6	3d	Elm
+LN	ELM7547CEB	Vdet-IC	4.7V±2%, +Reset PPO	SC-70	16vdb	VD7	3d	Elm
+LN	ELM7547NEB	Vdet-IC	4.7V±2%, +Reset ODO	SC-70	16vdb	VD6	3d	Elm
+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
<LN	ELM7553CEB	Vdet-IC	5.3V±2%, +Reset PPO	SC-70	16vdb	VD7	3d	Elm
<LN	ELM7553NEB	Vdet-IC	5.3V±2%, +Reset ODO	SC-70	16vdb	VD6	3d	Elm
=LN	ELM7544CEB	Vdet-IC	4.4V±2%, +Reset PPO	SC-70	16vdb	VD7	3d	Elm
=LN	ELM7544NEB	Vdet-IC	4.4V±2%, +Reset ODO	SC-70	16vdb	VD6	3d	Elm
>LN	ELM7549CEB	Vdet-IC	4.9V±2%, +Reset PPO	SC-70	16vdb	VD7	3d	Elm
>LN	ELM7549NEB	Vdet-IC	4.9V±2%, +Reset ODO	SC-70	16vdb	VD6	3d	Elm
005	SO2484R	Si-npn	AF, LN, 60V, 50mA, 360mW, 100MHz, B>100	SOT-23	16te	-	-	Ste
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, 400MHz	SOT-23	16te	-	3a	Zx
012	SO2221R	Si-npn	GP, 60V, 800mA, 500mW, >250MHz, B>20	SOT-23	16te	-	-	Ste
013	SO2222R	Si-npn	GP, 60V, 800mA, 350mW, B=100..300, >300MHz	SOT-23	16te	-	3a	Ste
018	SO1711R	Si-npn	GP. 75V, 1A, 1W, >70MHz	SOT-23	16te	-	-	Zx
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	n-MOSFET-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	n-MOSFET-e	TMOS, 60V, 115mA, 225mW, <7.5Ω(500mA), 20/40ns	SOT-23	16fh	-	3b	Frm
020	SO1711AR	Si-npn	GP. 75V, 1A, 1W, >70MHz	SOT-23	16te	-	-	Zx
020	SO2222AR	Si-npn	GP, 75V, 600mA, 330mW, B=120..360, >300MHz	SOT-23	16te	-	3a	Ste
027	SO1893R	Si-npn	AF, Sw, 120V, 500mA, 800mW, 70MHz	SOT-23	16te	-	-	Ste
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
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	n-MOSFET-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	Dual, Vrwm=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

Note: **ELM75xxCBB series** **LN**- lot number L=0...9 N=A to Z(I, O, X excepted); **ELM75xxNBB** series **LN**- lot number L=A to Z(I, O, X excepted) N=0...9

SECTION 4

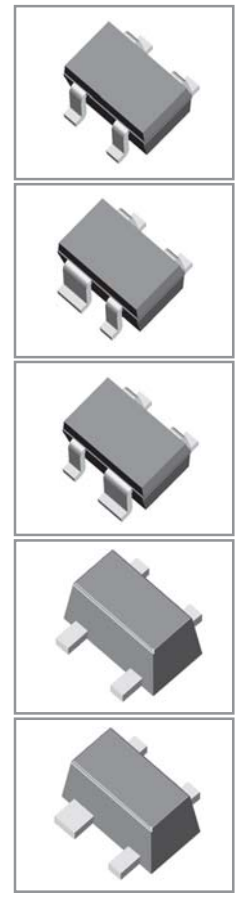
SOT-223 CASE SMD SEMICONDUCTOR COMPONENTS

SMD code	Type	Function	Short description	Case	Pinout	Sch.	St.	Mnf.
01N60C3	SPN01N60C3	n-MOSFET	HV, LogL, 650V, 300mA, 1.8W, 5.5Ω(500mA), 45/60ns	SOT-223	21f2	-	4k	Inf
02N60C3	SPN02N60C3	n-MOSFET	HV, LogL, 600V, 400mA, 1.8W, 2.0Ω(1.1A), 6/68ns	SOT-223	21f2	-	4k	Inf
02N60S5	SPN02N60S5	n-MOSFET	HV, LogL, 600V, 400mA, 1.8W, 2.5Ω(1.1A), 30/110ns	SOT-223	21f2	-	4k	Inf
03N60C3	SPN03N60C3	n-MOSFET	HV, LogL, 650V, 700mA, 1.8W, 1.2Ω(2A), 7/64ns	SOT-223	21f2	-	4k	Inf
03N60S5	SPN03N60S5	n-MOSFET	HV, LogL, 600V, 700mA, 1.8W, 1.2Ω(2A), 35/120ns	SOT-223	21f2	-	4k	Inf
04N60S5	SPN04N60S5	n-MOSFET	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, Adjustable 1.5..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	n-MOSFET-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 5
SOT-89 CASE SMD SEMICONDUCTOR COMPONENTS

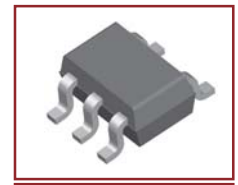
SMD code	Type	Function	Short description	Case	Pinout	Sch.	St.	Mnf.
000	ELM85101A	LVR-IC	LDO, 1.0V±2%, 800mA	SOT-89	20vl	VR1	4c	Elm
008	ELM85081A	LVR-IC	LDO, 0.8V±2%, 800mA	SOT-89	20vl	VR1	4c	Elm
009	ELM85091A	LVR-IC	LDO, 0.9±2%, 800mA	SOT-89	20vl	VR1	4c	Elm
00A	ELM85111A	LVR-IC	LDO, 1.1±2%, 800mA	SOT-89	20vl	VR1	4c	Elm
00B	ELM85121A	LVR-IC	LDO, 1.2±2%, 800mA	SOT-89	20vl	VR1	4c	Elm
00C	ELM85131A	LVR-IC	LDO, 1.3±2%, 800mA	SOT-89	20vl	VR1	4c	Elm
00D	ELM85141A	LVR-IC	LDO, 1.4±2%, 800mA	SOT-89	20vl	VR1	4c	Elm
00E	ELM85151A	LVR-IC	LDO, 1.5±2%, 800mA	SOT-89	20vl	VR1	4c	Elm
00F	ELM85161A	LVR-IC	LDO, 1.6±2%, 800mA	SOT-89	20vl	VR1	4c	Elm
00G	ELM85171A	LVR-IC	LDO, 1.7±2%, 800mA	SOT-89	20vl	VR1	4c	Elm
00H	ELM85181A	LVR-IC	LDO, 1.8±2%, 800mA	SOT-89	20vl	VR1	4c	Elm
00J	ELM85191A	LVR-IC	LDO, 1.9±2%, 800mA	SOT-89	20vl	VR1	4c	Elm
00K	ELM85201A	LVR-IC	LDO, 2.0±2%, 800mA	SOT-89	20vl	VR1	4c	Elm
00L	ELM85211A	LVR-IC	LDO, 2.1±2%, 800mA	SOT-89	20vl	VR1	4c	Elm
00M	ELM85221A	LVR-IC	LDO, 2.2±2%, 800mA	SOT-89	20vl	VR1	4c	Elm
00N	ELM85231A	LVR-IC	LDO, 2.3±2%, 800mA	SOT-89	20vl	VR1	4c	Elm
00P	ELM85241A	LVR-IC	LDO, 2.4±2%, 800mA	SOT-89	20vl	VR1	4c	Elm
00Q	ELM85251A	LVR-IC	LDO, 2.5±2%, 800mA	SOT-89	20vl	VR1	4c	Elm
00R	ELM85261A	LVR-IC	LDO, 2.6±2%, 800mA	SOT-89	20vl	VR1	4c	Elm
00S	ELM85271A	LVR-IC	LDO, 2.7±2%, 800mA	SOT-89	20vl	VR1	4c	Elm
00T	ELM85281A	LVR-IC	LDO, 2.8±2%, 800mA	SOT-89	20vl	VR1	4c	Elm
00U	ELM85291A	LVR-IC	LDO, 2.9±2%, 800mA	SOT-89	20vl	VR1	4c	Elm
00V	ELM85301A	LVR-IC	LDO, 3.0±2%, 800mA	SOT-89	20vl	VR1	4c	Elm
01	Gali-1	MMIC	RF amplifier, DC..8GHz, 11dB (50Ω)	SOT-89	20aa	A1	4b	Mc
010	ELM85401A	LVR-IC	LDO, 4.0±2%, 800mA	SOT-89	20vl	VR1	4c	Elm
011	ELM85311A	LVR-IC	LDO, 3.1±2%, 800mA	SOT-89	20vl	VR1	4c	Elm
012	ELM85321A	LVR-IC	LDO, 3.2±2%, 800mA	SOT-89	20vl	VR1	4c	Elm
013	ELM85331A	LVR-IC	LDO, 3.3±2%, 800mA	SOT-89	20vl	VR1	4c	Elm
014	ELM85341A	LVR-IC	LDO, 3.4±2%, 800mA	SOT-89	20vl	VR1	4c	Elm
015	ELM85351A	LVR-IC	LDO, 3.5±2%, 800mA	SOT-89	20vl	VR1	4c	Elm
016	ELM85361A	LVR-IC	LDO, 3.6±2%, 800mA	SOT-89	20vl	VR1	4c	Elm
017	ELM85371A	LVR-IC	LDO, 3.7±2%, 800mA	SOT-89	20vl	VR1	4c	Elm
018	ELM85381A	LVR-IC	LDO, 3.8±2%, 800mA	SOT-89	20vl	VR1	4c	Elm
019	ELM85391A	LVR-IC	LDO, 3.9±2%, 800mA	SOT-89	20vl	VR1	4c	Elm
01A	APR3001-15D	Vdet-IC	1.5V, -Reset PPO	SOT-89	20vda	VD7	4b	Anp
01A	ELM85411A	LVR-IC	LDO, 4.1±2%, 800mA	SOT-89	20vl	VR1	4c	Elm
01B	APR3001-17D	Vdet-IC	1.75V, -Reset PPO	SOT-89	20vda	VD7	4b	Anp
01B	ELM85421A	LVR-IC	LDO, 4.2±2%, 800mA	SOT-89	20vl	VR1	4c	Elm
01C	APR3001-23D	Vdet-IC	2.32V, -Reset PPO	SOT-89	20vda	VD7	4b	Anp
01C	ELM85431A	LVR-IC	LDO, 4.3±2%, 800mA	SOT-89	20vl	VR1	4c	Elm
01D	APR3001-26D	Vdet-IC	2.63V, -Reset PPO	SOT-89	20vda	VD7	4b	Anp
01D	ELM85441A	LVR-IC	LDO, 4.4±2%, 800mA	SOT-89	20vl	VR1	4c	Elm
01E	APR3001-29D	Vdet-IC	2.93V, -Reset PPO	SOT-89	20vda	VD7	4b	Anp
01E	ELM85451A	LVR-IC	LDO, 4.5±2%, 800mA	SOT-89	20vl	VR1	4c	Elm
01F	APR3001-30D	Vdet-IC	3.08V, -Reset PPO	SOT-89	20vda	VD7	4b	Anp
01F	ELM85461A	LVR-IC	LDO, 4.6±2%, 800mA	SOT-89	20vl	VR1	4c	Elm
01G	APR3001-39D	Vdet-IC	3.9V, -Reset PPO	SOT-89	20vda	VD7	4b	Anp
01G	ELM85471A	LVR-IC	LDO, 4.7±2%, 800mA	SOT-89	20vl	VR1	4c	Elm
01H	APR3001-43D	Vdet-IC	4.38V, -Reset PPO	SOT-89	20vda	VD7	4b	Anp
01H	ELM85481A	LVR-IC	LDO, 4.8±2%, 800mA	SOT-89	20vl	VR1	4c	Elm
01J	APR3001-46D	Vdet-IC	4.63V, -Reset PPO	SOT-89	20vda	VD7	4b	Anp
01J	ELM85491A	LVR-IC	LDO, 4.9±2%, 800mA	SOT-89	20vl	VR1	4c	Elm
01K	ELM85501A	LVR-IC	LDO, 5.0±2%, 800mA	SOT-89	20vl	VR1	4c	Elm
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

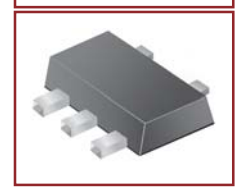
SECTION 6
4-pin CASES SMD SEMICONDUCTOR COMPONENTS



SMD code	Type	Function	Short description	Case	Pinout	Sch.	St.	Mnf.
#LN	ELM7541CCB	Vdet-IC	4.1V±2%, +Reset PPO	SC-82AB	26vdl	VD7	5c	Elm
#LN	ELM7541NCB	Vdet-IC	4.1V±2%, +Reset ODO	SC-82AB	26vdl	VD6	5c	Elm
*LN	ELM7546CCB	Vdet-IC	4.6V±2%, +Reset PPO	SC-82AB	26vdl	VD7	5c	Elm
*LN	ELM7546NCB	Vdet-IC	4.6V±2%, +Reset ODO	SC-82AB	26vdl	VD6	5c	Elm
/LN	ELM7554CCB	Vdet-IC	5.4V±2%, +Reset PPO	SC-82AB	26vdl	VD7	5c	Elm
/LN	ELM7554NCB	Vdet-IC	5.4V±2%, +Reset ODO	SC-82AB	26vdl	VD6	5c	Elm
+LN	ELM7547CCB	Vdet-IC	4.7V±2%, +Reset PPO	SC-82AB	26vdl	VD7	5c	Elm
+LN	ELM7547NCB	Vdet-IC	4.7V±2%, +Reset ODO	SC-82AB	26vdl	VD6	5c	Elm
<LN	ELM7553CCB	Vdet-IC	5.3V±2%, +Reset PPO	SC-82AB	26vdl	VD7	5c	Elm
<LN	ELM7553NCB	Vdet-IC	5.3V±2%, +Reset ODO	SC-82AB	26vdl	VD6	5c	Elm
=LN	ELM7544CCB	Vdet-IC	4.4V±2%, +Reset PPO	SC-82AB	26vdl	VD7	5c	Elm
=LN	ELM7544NCB	Vdet-IC	4.4V±2%, +Reset ODO	SC-82AB	26vdl	VD6	5c	Elm
>LN	ELM7549CCB	Vdet-IC	4.9V±2%, +Reset PPO	SC-82AB	26vdl	VD7	5c	Elm
>LN	ELM7549NCB	Vdet-IC	4.9V±2%, +Reset ODO	SC-82AB	26vdl	VD6	5c	Elm
$\overline{0}0$	XC6127N55ANR	Vdet-IC	5.5V±0.8%, -Reset ODO, -MR, Rt=50ms	SSOT-24	26cr	VD4	5a	Tor
$\overline{0}0$	XC6221C081NR	LVR-IC	LDO, 0.8V±20mV, 200mA, +CE, PDR	SSOT-24	26vn	VR4	5a	Tor
01	MRF9011	Si-npn	UHF, 25V, 30mA, 300mW, B=30..200, 3.8GHz	SOT-143	24tc	-	5c	Mot
$\overline{0}1$	XC6221C091NR	LVR-IC	LDO, 0.9V±20mV, 200mA, +CE, PDR	SSOT-24	26vn	VR4	5a	Tor
02	MRF5711	Si-npn	UHF, 20V, 80mA, 580mW, B=50..300, 8GHz	SOT-143	24tc	-	5c	Mot
$\overline{0}2$	XC6221C101NR	LVR-IC	LDO, 1V±20mV, 200mA, +CE, PDR	SSOT-24	26vn	VR4	5a	Tor
03	VAM-3	MMIC	RF amplifier, DC..2GHz, 7.5dB (50Ω)	SOT-143	24aa	A1	5c	Mc
$\overline{0}3$	XC6221C111NR	LVR-IC	LDO, 1.1V±20mV, 200mA, +CE, PDR	SSOT-24	26vn	VR4	5a	Tor
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
$\overline{0}4$	XC6221C121NR	LVR-IC	LDO, 1.2V±20mV, 200mA, +CE, PDR	SSOT-24	26vn	VR4	5a	Tor
05	MRF9331	Si-npn	UHF, 15V, 2mA, 50mW, B=30..200, 5GHz	SOT-143	24tc	-	5c	Mot
$\overline{0}5$	XC6221C131NR	LVR-IC	LDO, 1.3V±20mV, 200mA, +CE, PDR	SSOT-24	26vn	VR4	5a	Tor
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
$\overline{0}6$	XC6221C141NR	LVR-IC	LDO, 1.4V±20mV, 200mA, +CE, PDR	SSOT-24	26vn	VR4	5a	Tor
07	VAM-7	MMIC	RF amplifier, DC..2GHz, 7.8dB (50Ω)	SOT-143	24aa	A1	5c	Mc
$\overline{0}7$	XC6221C151NR	LVR-IC	LDO, 1.5V±20mV, 200mA, +CE, PDR	SSOT-24	26vn	VR4	5a	Tor
08	HBFP-0450	Si-npn	UHF, LN, 15V, 100mA, 450mW, B=50..150, 1.8GHz	SOT-343	24t1	-	5c	Agi
$\overline{0}8$	XC6221C161NR	LVR-IC	LDO, 1.6V±20mV, 200mA, +CE, PDR	SSOT-24	26vn	VR4	5a	Tor
0808A	EC8908-08AC7	LVR-IC	LDO, 0.8V±1.5%, 300mA, +CE	SC-82-4	26vn	VR4	5e	Ecm
0808B	EC8908-08BC7	LVR-IC	LDO, 0.8V±1.5%, 500mA, +CE	SC-82-4	26vn	VR4	5e	Ecm
0808C	EC8908-08CC7	LVR-IC	LDO, 0.8V±1.5%, 300mA, -CE	SC-82-4	26vn	VR4	5e	Ecm
0808D	EC8908-08DC7	LVR-IC	LDO, 0.8V±1.5%, 500mA, -CE	SC-82-4	26vn	VR4	5e	Ecm
0809A	EC8908-09AC7	LVR-IC	LDO, 0.9V±1.5%, 300mA, +CE	SC-82-4	26vn	VR4	5e	Ecm
0809B	EC8908-09BC7	LVR-IC	LDO, 0.9V±1.5%, 500mA, +CE	SC-82-4	26vn	VR4	5e	Ecm
0809C	EC8908-09CC7	LVR-IC	LDO, 0.9V±1.5%, 300mA, -CE	SC-82-4	26vn	VR4	5e	Ecm
0809D	EC8908-09DC7	LVR-IC	LDO, 0.9V±1.5%, 500mA, -CE	SC-82-4	26vn	VR4	5e	Ecm
0810A	EC8908-10AC7	LVR-IC	LDO, 1.0V±1.5%, 300mA, +CE	SC-82-4	26vn	VR4	5e	Ecm
0810B	EC8908-10BC7	LVR-IC	LDO, 1.0V±1.5%, 500mA, +CE	SC-82-4	26vn	VR4	5e	Ecm
0810C	EC8908-10CC7	LVR-IC	LDO, 1.0V±1.5%, 300mA, -CE	SC-82-4	26vn	VR4	5e	Ecm
0810D	EC8908-10DC7	LVR-IC	LDO, 1.0V±1.5%, 500mA, -CE	SC-82-4	26vn	VR4	5e	Ecm
0811A	EC8908-11AC7	LVR-IC	LDO, 1.1V±1.5%, 300mA, +CE	SC-82-4	26vn	VR4	5e	Ecm
0811B	EC8908-11BC7	LVR-IC	LDO, 1.1V±1.5%, 500mA, +CE	SC-82-4	26vn	VR4	5e	Ecm
0811C	EC8908-11CC7	LVR-IC	LDO, 1.1V±1.5%, 300mA, -CE	SC-82-4	26vn	VR4	5e	Ecm
0811D	EC8908-11DC7	LVR-IC	LDO, 1.1V±1.5%, 500mA, -CE	SC-82-4	26vn	VR4	5e	Ecm
0812A	EC8908-12AC7	LVR-IC	LDO, 1.2V±1.5%, 300mA, +CE	SC-82-4	26vn	VR4	5e	Ecm
0812B	EC8908-12BC7	LVR-IC	LDO, 1.2V±1.5%, 500mA, +CE	SC-82-4	26vn	VR4	5e	Ecm
0812C	EC8908-12CC7	LVR-IC	LDO, 1.2V±1.5%, 300mA, -CE	SC-82-4	26vn	VR4	5e	Ecm
0812D	EC8908-12DC7	LVR-IC	LDO, 1.2V±1.5%, 500mA, -CE	SC-82-4	26vn	VR4	5e	Ecm
0813A	EC8908-13AC7	LVR-IC	LDO, 1.3V±1.5%, 300mA, +CE	SC-82-4	26vn	VR4	5e	Ecm
0813B	EC8908-13BC7	LVR-IC	LDO, 1.3V±1.5%, 500mA, +CE	SC-82-4	26vn	VR4	5e	Ecm
0813C	EC8908-13CC7	LVR-IC	LDO, 1.3V±1.5%, 300mA, -CE	SC-82-4	26vn	VR4	5e	Ecm
0813D	EC8908-13DC7	LVR-IC	LDO, 1.3V±1.5%, 500mA, -CE	SC-82-4	26vn	VR4	5e	Ecm
0814A	EC8908-14AC7	LVR-IC	LDO, 1.4V±1.5%, 300mA, +CE	SC-82-4	26vn	VR4	5e	Ecm
0814B	EC8908-14BC7	LVR-IC	LDO, 1.4V±1.5%, 500mA, +CE	SC-82-4	26vn	VR4	5e	Ecm
0814C	EC8908-14CC7	LVR-IC	LDO, 1.4V±1.5%, 300mA, -CE	SC-82-4	26vn	VR4	5e	Ecm
0814D	EC8908-14DC7	LVR-IC	LDO, 1.4V±1.5%, 500mA, -CE	SC-82-4	26vn	VR4	5e	Ecm
0815A	EC8908-15AC7	LVR-IC	LDO, 1.5V±1.5%, 300mA, +CE	SC-82-4	26vn	VR4	5e	Ecm
0815B	EC8908-15BC7	LVR-IC	LDO, 1.5V±1.5%, 500mA, +CE	SC-82-4	26vn	VR4	5e	Ecm
0815C	EC8908-15CC7	LVR-IC	LDO, 1.5V±1.5%, 300mA, -CE	SC-82-4	26vn	VR4	5e	Ecm
0815D	EC8908-15DC7	LVR-IC	LDO, 1.5V±1.5%, 500mA, -CE	SC-82-4	26vn	VR4	5e	Ecm
0816A	EC8908-16AC7	LVR-IC	LDO, 1.6V±1.5%, 300mA, +CE	SC-82-4	26vn	VR4	5e	Ecm
0816B	EC8908-16BC7	LVR-IC	LDO, 1.6V±1.5%, 500mA, +CE	SC-82-4	26vn	VR4	5e	Ecm
0816C	EC8908-16CC7	LVR-IC	LDO, 1.6V±1.5%, 300mA, -CE	SC-82-4	26vn	VR4	5e	Ecm
0816D	EC8908-16DC7	LVR-IC	LDO, 1.6V±1.5%, 500mA, -CE	SC-82-4	26vn	VR4	5e	Ecm

Note: **ELM75xxCCB series** LN- lot number L=0...9 N=A to Z(I, O, X excepted); **ELM75xxNCB** series LN- lot number L=A to Z(I, O, X excepted) N=0...9

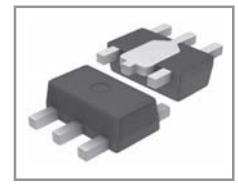




SECTION 7
5-pin CASES SMD SEMICONDUCTOR COMPONENTS

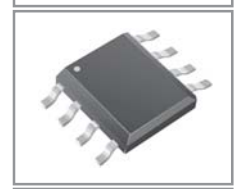
SMD code	Type	Function	Short description	Case	Pinout	Sch.	St.	Mnf.
00	R1223N252A	DC/DC-IC	PWM/VFM step-down, +CE, 2.5V, 300kHz, L-Pr.	SOT-23-5	28ud	DC7	6g	Ric
00	RN5RF50BA	LVR-IC	LRip, +CE, 5V±2%, 1A*	SOT-23-5	28vw	VR6	6g	Ric
00	RN5RZ50BA	LVR-IC	LDO, LN, +CE, 5V±2%, 100mA	SOT-23-5	28vrt	VR4	6g	Ric
000	XC6101A131MR	Vdet-IC	3.1V±2%, Hst, -MR, -Reset PPO, Wt=6.25ms, Rt=3.13ms	SOT-25	28cp	VD17	6g	Tor
001	XC6101A132MR	Vdet-IC	3.2V±2%, Hst, -MR, -Reset PPO, Wt=6.25ms, Rt=3.13ms	SOT-25	28cp	VD17	6g	Tor
002	XC6101A133MR	Vdet-IC	3.3V±2%, Hst, -MR, -Reset PPO, Wt=6.25ms, Rt=3.13ms	SOT-25	28cp	VD17	6g	Tor
003	XC6101A134MR	Vdet-IC	3.4V±2%, Hst, -MR, -Reset PPO, Wt=6.25ms, Rt=3.13ms	SOT-25	28cp	VD17	6g	Tor
004	XC6101A135MR	Vdet-IC	3.5V±2%, Hst, -MR, -Reset PPO, Wt=6.25ms, Rt=3.13ms	SOT-25	28cp	VD17	6g	Tor
005	XC6101A136MR	Vdet-IC	3.6V±2%, Hst, -MR, -Reset PPO, Wt=6.25ms, Rt=3.13ms	SOT-25	28cp	VD17	6g	Tor
006	XC6101A137MR	Vdet-IC	3.7V±2%, Hst, -MR, -Reset PPO, Wt=6.25ms, Rt=3.13ms	SOT-25	28cp	VD17	6g	Tor
007	XC6101A138MR	Vdet-IC	3.8V±2%, Hst, -MR, -Reset PPO, Wt=6.25ms, Rt=3.13ms	SOT-25	28cp	VD17	6g	Tor
008	R1160N081A	LVR-IC	LDO, 0.8V±2%, 200mA, -CE, AE(Mode)	SOT-23-5	28x9	VR10	6g	Ric
008	XC6101A139MR	Vdet-IC	3.9V±2%, Hst, -MR, -Reset PPO, Wt=6.25ms, Rt=3.13ms	SOT-25	28cp	VD17	6g	Tor
009	R1160N091A	LVR-IC	LDO, 0.9V±2%, 200mA, -CE, AE(Mode)	SOT-23-5	28x9	VR10	6g	Ric
009	XC6101A140MR	Vdet-IC	4.0V±2%, Hst, -MR, -Reset PPO, Wt=6.25ms, Rt=3.13ms	SOT-25	28cp	VD17	6g	Tor
00A	XC6101A141MR	Vdet-IC	4.1V±2%, Hst, -MR, -Reset PPO, Wt=6.25ms, Rt=3.13ms	SOT-25	28cp	VD17	6g	Tor
00B	XC6101A142MR	Vdet-IC	4.2V±2%, Hst, -MR, -Reset PPO, Wt=6.25ms, Rt=3.13ms	SOT-25	28cp	VD17	6g	Tor
00C	XC6101A143MR	Vdet-IC	4.3V±2%, Hst, -MR, -Reset PPO, Wt=6.25ms, Rt=3.13ms	SOT-25	28cp	VD17	6g	Tor
00D	XC6101A144MR	Vdet-IC	4.4V±2%, Hst, -MR, -Reset PPO, Wt=6.25ms, Rt=3.13ms	SOT-25	28cp	VD17	6g	Tor
00E	XC6505A151MR	LVR-IC	LDO, 1.5V±20mV, 200mA, +CE	SOT-25	28cx	VR4	6a	Tor
00E	XC6101A145MR	Vdet-IC	4.5V±2%, Hst, -MR, -Reset PPO, Wt=6.25ms, Rt=3.13ms	SOT-25	28cp	VD17	6g	Tor
00F	XC6505A161MR	LVR-IC	LDO, 1.6V±20mV, 200mA, +CE	SOT-25	28cx	VR4	6a	Tor
00F	XC6101A116MR	Vdet-IC	1.6V±2%, Hst, -MR, -Reset PPO, Wt=6.25ms, Rt=3.13ms	SOT-25	28cp	VD17	6g	Tor
00F	XC6101A146MR	Vdet-IC	4.6V±2%, Hst, -MR, -Reset PPO, Wt=6.25ms, Rt=3.13ms	SOT-25	28cp	VD17	6g	Tor
00H	XC6505A171MR	LVR-IC	LDO, 1.7V±20mV, 200mA, +CE	SOT-25	28cx	VR4	6a	Tor
00H	XC6101A117MR	Vdet-IC	1.7V±2%, Hst, -MR, -Reset PPO, Wt=6.25ms, Rt=3.13ms	SOT-25	28cp	VD17	6g	Tor
00H	XC6101A147MR	Vdet-IC	4.7V±2%, Hst, -MR, -Reset PPO, Wt=6.25ms, Rt=3.13ms	SOT-25	28cp	VD17	6g	Tor
00K	XC6505A181MR	LVR-IC	LDO, 1.8V±20mV, 200mA, +CE	SOT-25	28cx	VR4	6a	Tor
00K	XC6101A118MR	Vdet-IC	1.8V±2%, Hst, -MR, -Reset PPO, Wt=6.25ms, Rt=3.13ms	SOT-25	28cp	VD17	6g	Tor
00K	XC6101A148MR	Vdet-IC	4.8V±2%, Hst, -MR, -Reset PPO, Wt=6.25ms, Rt=3.13ms	SOT-25	28cp	VD17	6g	Tor
00L	XC6505A191MR	LVR-IC	LDO, 1.9V±20mV, 200mA, +CE	SOT-25	28cx	VR4	6a	Tor
00L	XC6101A119MR	Vdet-IC	1.9V±2%, Hst, -MR, -Reset PPO, Wt=6.25ms, Rt=3.13ms	SOT-25	28cp	VD17	6g	Tor
00L	XC6101A149MR	Vdet-IC	4.9V±2%, Hst, -MR, -Reset PPO, Wt=6.25ms, Rt=3.13ms	SOT-25	28cp	VD17	6g	Tor
00M	XC6505A201MR	LVR-IC	LDO, 2.0V±1%, 200mA, +CE	SOT-25	28cx	VR4	6a	Tor
00M	XC6101A120MR	Vdet-IC	2.0V±2%, Hst, -MR, -Reset PPO, Wt=6.25ms, Rt=3.13ms	SOT-25	28cp	VD17	6g	Tor
00M	XC6101A150MR	Vdet-IC	5.0V±2%, Hst, -MR, -Reset PPO, Wt=6.25ms, Rt=3.13ms	SOT-25	28cp	VD17	6g	Tor
00N	XC6505A211MR	LVR-IC	LDO, 2.1V±1%, 200mA, +CE	SOT-25	28cx	VR4	6a	Tor
00N	XC6101A121MR	Vdet-IC	2.1V±2%, Hst, -MR, -Reset PPO, Wt=6.25ms, Rt=3.13ms	SOT-25	28cp	VD17	6g	Tor
00P	XC6505A221MR	LVR-IC	LDO, 2.2V±1%, 200mA, +CE	SOT-25	28cx	VR4	6a	Tor
00P	XC6101A122MR	Vdet-IC	2.2V±2%, Hst, -MR, -Reset PPO, Wt=6.25ms, Rt=3.13ms	SOT-25	28cp	VD17	6g	Tor
00R	XC6505A231MR	LVR-IC	LDO, 2.3V±1%, 200mA, +CE	SOT-25	28cx	VR4	6a	Tor
00R	XC6101A123MR	Vdet-IC	2.3V±2%, Hst, -MR, -Reset PPO, Wt=6.25ms, Rt=3.13ms	SOT-25	28cp	VD17	6g	Tor
00S	XC6505A241MR	LVR-IC	LDO, 2.4V±1%, 200mA, +CE	SOT-25	28cx	VR4	6a	Tor
00S	XC6101A124MR	Vdet-IC	2.4V±2%, Hst, -MR, -Reset PPO, Wt=6.25ms, Rt=3.13ms	SOT-25	28cp	VD17	6g	Tor
00T	XC6505A251MR	LVR-IC	LDO, 2.5V±1%, 200mA, +CE	SOT-25	28cx	VR4	6a	Tor
00T	XC6101A125MR	Vdet-IC	2.5V±2%, Hst, -MR, -Reset PPO, Wt=6.25ms, Rt=3.13ms	SOT-25	28cp	VD17	6g	Tor
00U	XC6505A261MR	LVR-IC	LDO, 2.6V±1%, 200mA, +CE	SOT-25	28cx	VR4	6a	Tor
00U	XC6101A126MR	Vdet-IC	2.6V±2%, Hst, -MR, -Reset PPO, Wt=6.25ms, Rt=3.13ms	SOT-25	28cp	VD17	6g	Tor
00V	XC6505A271MR	LVR-IC	LDO, 2.7V±1%, 200mA, +CE	SOT-25	28cx	VR4	6a	Tor
00V	XC6101A127MR	Vdet-IC	2.7V±2%, Hst, -MR, -Reset PPO, Wt=6.25ms, Rt=3.13ms	SOT-25	28cp	VD17	6g	Tor
00X	XC6505A281MR	LVR-IC	LDO, 2.8V±1%, 200mA, +CE	SOT-25	28cx	VR4	6a	Tor
00X	XC6101A128MR	Vdet-IC	2.8V±2%, Hst, -MR, -Reset PPO, Wt=6.25ms, Rt=3.13ms	SOT-25	28cp	VD17	6g	Tor
00Y	XC6505A291MR	LVR-IC	LDO, 2.9V±1%, 200mA, +CE	SOT-25	28cx	VR4	6a	Tor
00Y	XC6101A129MR	Vdet-IC	2.9V±2%, Hst, -MR, -Reset PPO, Wt=6.25ms, Rt=3.13ms	SOT-25	28cp	VD17	6g	Tor
00Z	XC6505A301MR	LVR-IC	LDO, 3.0V±1%, 200mA, +CE	SOT-25	28cx	VR4	6a	Tor
00Z	XC6101A130MR	Vdet-IC	3.0V±2%, Hst, -MR, -Reset PPO, Wt=6.25ms, Rt=3.13ms	SOT-25	28cp	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, 1V±2%, 200mA, -CE, AE(Mode)	SOT-23-5	28x9	VR10	6g	Ric
010	XC6505A311MR	LVR-IC	LDO, 3.1V±1%, 200mA, +CE	SOT-25	28cx	VR4	6a	Tor
010	XC6101A231MR	Vdet-IC	3.1V±2%, Hst, -MR, -Reset PPO, Wt=50ms, Rt=3.13ms	SOT-25	28cp	VD17	6g	Tor
011	R1160N111A	LVR-IC	LDO, 1.1V±2%, 200mA, -CE, AE(Mode)	SOT-23-5	28x9	VR10	6g	Ric
011	XC6505A321MR	LVR-IC	LDO, 3.2V±1%, 200mA, +CE	SOT-25	28cx	VR4	6a	Tor
011	XC6101A232MR	Vdet-IC	3.2V±2%, Hst, -MR, -Reset PPO, Wt=50ms, Rt=3.13ms	SOT-25	28cp	VD17	6g	Tor
012	R1160N121A	LVR-IC	LDO, 1.2V±2%, 200mA, -CE, AE(Mode)	SOT-23-5	28x9	VR10	6g	Ric
012	XC6505A331MR	LVR-IC	LDO, 3.3V±1%, 200mA, +CE	SOT-25	28cx	VR4	6a	Tor
012	XC6101A233MR	Vdet-IC	3.3V±2%, Hst, -MR, -Reset PPO, Wt=50ms, Rt=3.13ms	SOT-25	28cp	VD17	6g	Tor
013	R1160N131A	LVR-IC	LDO, 1.3V±2%, 200mA, -CE, AE(Mode)	SOT-23-5	28x9	VR10	6g	Ric
013	XC6505A341MR	LVR-IC	LDO, 3.4V±1%, 200mA, +CE	SOT-25	28cx	VR4	6a	Tor

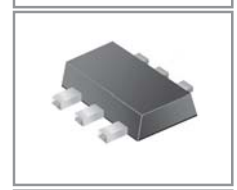
SECTION 8
SOT-89-5 CASE SMD SEMICONDUCTOR COMPONENTS

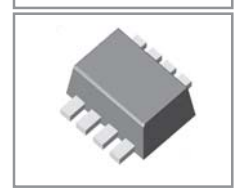


SMD code	Type	Function	Short description	Case	Pinout	Sch.	St.	Mnf.
00E	XC6505A151PR	LVR-IC	LDO, 1.5V±20mV, 200mA, +CE	SOT-89-5	32um	VR4	6n	Tor
00F	XC6505A161PR	LVR-IC	LDO, 1.6V±20mV, 200mA, +CE	SOT-89-5	32um	VR4	6n	Tor
00H	XC6505A171PR	LVR-IC	LDO, 1.7V±20mV, 200mA, +CE	SOT-89-5	32um	VR4	6n	Tor
00K	XC6505A181PR	LVR-IC	LDO, 1.8V±20mV, 200mA, +CE	SOT-89-5	32um	VR4	6n	Tor
00L	XC6505A191PR	LVR-IC	LDO, 1.9V±20mV, 200mA, +CE	SOT-89-5	32um	VR4	6n	Tor
00M	XC6505A201PR	LVR-IC	LDO, 2.0V±1%, 200mA, +CE	SOT-89-5	32um	VR4	6n	Tor
00N	XC6505A211PR	LVR-IC	LDO, 2.1V±1%, 200mA, +CE	SOT-89-5	32um	VR4	6n	Tor
00P	XC6505A221PR	LVR-IC	LDO, 2.2V±1%, 200mA, +CE	SOT-89-5	32um	VR4	6n	Tor
00R	XC6505A231PR	LVR-IC	LDO, 2.3V±1%, 200mA, +CE	SOT-89-5	32um	VR4	6n	Tor
00S	XC6505A241PR	LVR-IC	LDO, 2.4V±1%, 200mA, +CE	SOT-89-5	32um	VR4	6n	Tor
00T	XC6505A251PR	LVR-IC	LDO, 2.5V±1%, 200mA, +CE	SOT-89-5	32um	VR4	6n	Tor
00U	XC6505A261PR	LVR-IC	LDO, 2.6V±1%, 200mA, +CE	SOT-89-5	32um	VR4	6n	Tor
00V	XC6505A271PR	LVR-IC	LDO, 2.7V±1%, 200mA, +CE	SOT-89-5	32um	VR4	6n	Tor
00X	XC6505A281PR	LVR-IC	LDO, 2.8V±1%, 200mA, +CE	SOT-89-5	32um	VR4	6n	Tor
00Y	XC6505A291PR	LVR-IC	LDO, 2.9V±1%, 200mA, +CE	SOT-89-5	32um	VR4	6n	Tor
00Z	XC6505A301PR	LVR-IC	LDO, 3.0V±1%, 200mA, +CE	SOT-89-5	32um	VR4	6n	Tor
010	XC6505A311PR	LVR-IC	LDO, 3.1V±1%, 200mA, +CE	SOT-89-5	32um	VR4	6n	Tor
011	XC6505A321PR	LVR-IC	LDO, 3.2V±1%, 200mA, +CE	SOT-89-5	32um	VR4	6n	Tor
012	XC6505A331PR	LVR-IC	LDO, 3.3V±1%, 200mA, +CE	SOT-89-5	32um	VR4	6n	Tor
013	XC6505A341PR	LVR-IC	LDO, 3.4V±1%, 200mA, +CE	SOT-89-5	32um	VR4	6n	Tor
014	XC6505A351PR	LVR-IC	LDO, 3.5V±1%, 200mA, +CE	SOT-89-5	32um	VR4	6n	Tor
015	XC6505A361PR	LVR-IC	LDO, 3.6V±1%, 200mA, +CE	SOT-89-5	32um	VR4	6n	Tor
016	XC6505A371PR	LVR-IC	LDO, 3.7V±1%, 200mA, +CE	SOT-89-5	32um	VR4	6n	Tor
017	XC6505A381PR	LVR-IC	LDO, 3.8V±1%, 200mA, +CE	SOT-89-5	32um	VR4	6n	Tor
018	XC6505A391PR	LVR-IC	LDO, 3.9V±1%, 200mA, +CE	SOT-89-5	32um	VR4	6n	Tor
019	XC6505A401PR	LVR-IC	LDO, 4.0V±1%, 200mA, +CE	SOT-89-5	32um	VR4	6n	Tor
01A	XC6505A411PR	LVR-IC	LDO, 4.1V±1%, 200mA, +CE	SOT-89-5	32um	VR4	6n	Tor
01B	XC6505A421PR	LVR-IC	LDO, 4.2V±1%, 200mA, +CE	SOT-89-5	32um	VR4	6n	Tor
01C	XC6505A431PR	LVR-IC	LDO, 4.3V±1%, 200mA, +CE	SOT-89-5	32um	VR4	6n	Tor
01D	XC6505A441PR	LVR-IC	LDO, 4.4V±1%, 200mA, +CE	SOT-89-5	32um	VR4	6n	Tor
01E	XC6505A451PR	LVR-IC	LDO, 4.5V±1%, 200mA, +CE	SOT-89-5	32um	VR4	6n	Tor
01F	XC6505A461PR	LVR-IC	LDO, 4.6V±1%, 200mA, +CE	SOT-89-5	32um	VR4	6n	Tor
01H	XC6505A471PR	LVR-IC	LDO, 4.7V±1%, 200mA, +CE	SOT-89-5	32um	VR4	6n	Tor
01K	XC6505A481PR	LVR-IC	LDO, 4.8V±1%, 200mA, +CE	SOT-89-5	32um	VR4	6n	Tor
01L	XC6505A491PR	LVR-IC	LDO, 4.9V±1%, 200mA, +CE	SOT-89-5	32um	VR4	6n	Tor
01M	XC6505A501PR	LVR-IC	LDO, 5.0V±1%, 200mA, +CE	SOT-89-5	32um	VR4	6n	Tor
020	ELM85103A	LVR-IC	LDO, 1.0V±2%, 800mA, +CE	SOT-89-5	32vrt	VR4	6h	Elm
020	XC6505A611PR	LVR-IC	LDO, 6.1V±1%, 200mA, +CE	SOT-89-5	32um	VR4	6n	Tor
021	XC6505A621PR	LVR-IC	LDO, 6.2V±1%, 200mA, +CE	SOT-89-5	32um	VR4	6n	Tor
022	XC6505A631PR	LVR-IC	LDO, 6.3V±1%, 200mA, +CE	SOT-89-5	32um	VR4	6n	Tor
023	XC6505A641PR	LVR-IC	LDO, 6.4V±1%, 200mA, +CE	SOT-89-5	32um	VR4	6n	Tor
024	XC6505A651PR	LVR-IC	LDO, 6.5V±1%, 200mA, +CE	SOT-89-5	32um	VR4	6n	Tor
025	XC6505A661PR	LVR-IC	LDO, 6.6V±1%, 200mA, +CE	SOT-89-5	32um	VR4	6n	Tor
026	XC6505A671PR	LVR-IC	LDO, 6.7V±1%, 200mA, +CE	SOT-89-5	32um	VR4	6n	Tor
027	XC6505A681PR	LVR-IC	LDO, 6.8V±1%, 200mA, +CE	SOT-89-5	32um	VR4	6n	Tor
028	ELM85083A	LVR-IC	LDO, 0.8V±2%, 800mA, +CE	SOT-89-5	32vrt	VR4	6h	Elm
028	XC6505A691PR	LVR-IC	LDO, 6.9V±1%, 200mA, +CE	SOT-89-5	32um	VR4	6n	Tor
029	ELM85093A	LVR-IC	LDO, 0.9±2%, 800mA, +CE	SOT-89-5	32vrt	VR4	6h	Elm
029	XC6505A701PR	LVR-IC	LDO, 7.0V±1%, 200mA, +CE	SOT-89-5	32um	VR4	6n	Tor
02A	ELM85113A	LVR-IC	LDO, 1.1±2%, 800mA, +CE	SOT-89-5	32vrt	VR4	6h	Elm
02B	ELM85123A	LVR-IC	LDO, 1.2±2%, 800mA, +CE	SOT-89-5	32vrt	VR4	6h	Elm
02C	ELM85133A	LVR-IC	LDO, 1.3±2%, 800mA, +CE	SOT-89-5	32vrt	VR4	6h	Elm
02D	ELM85143A	LVR-IC	LDO, 1.4±2%, 800mA, +CE	SOT-89-5	32vrt	VR4	6h	Elm
02E	ELM85153A	LVR-IC	LDO, 1.5±2%, 800mA, +CE	SOT-89-5	32vrt	VR4	6h	Elm
02F	ELM85163A	LVR-IC	LDO, 1.6±2%, 800mA, +CE	SOT-89-5	32vrt	VR4	6h	Elm
02G	ELM85173A	LVR-IC	LDO, 1.7±2%, 800mA, +CE	SOT-89-5	32vrt	VR4	6h	Elm
02H	ELM85183A	LVR-IC	LDO, 1.8±2%, 800mA, +CE	SOT-89-5	32vrt	VR4	6h	Elm
02J	ELM85193A	LVR-IC	LDO, 1.9±2%, 800mA, +CE	SOT-89-5	32vrt	VR4	6h	Elm
02K	ELM85203A	LVR-IC	LDO, 2.0±2%, 800mA, +CE	SOT-89-5	32vrt	VR4	6h	Elm
02L	ELM85213A	LVR-IC	LDO, 2.1±2%, 800mA, +CE	SOT-89-5	32vrt	VR4	6h	Elm
02M	ELM85223A	LVR-IC	LDO, 2.2±2%, 800mA, +CE	SOT-89-5	32vrt	VR4	6h	Elm
02N	ELM85233A	LVR-IC	LDO, 2.3±2%, 800mA, +CE	SOT-89-5	32vrt	VR4	6h	Elm
02N	XC6505A511PR	LVR-IC	LDO, 5.1V±1%, 200mA, +CE	SOT-89-5	32um	VR4	6n	Tor
02P	ELM85243A	LVR-IC	LDO, 2.4±2%, 800mA, +CE	SOT-89-5	32vrt	VR4	6h	Elm
02P	XC6505A521PR	LVR-IC	LDO, 5.2V±1%, 200mA, +CE	SOT-89-5	32um	VR4	6n	Tor
02Q	ELM85253A	LVR-IC	LDO, 2.5±2%, 800mA, +CE	SOT-89-5	32vrt	VR4	6h	Elm
02R	ELM85263A	LVR-IC	LDO, 2.6±2%, 800mA, +CE	SOT-89-5	32vrt	VR4	6h	Elm
02R	XC6505A531PR	LVR-IC	LDO, 5.3V±1%, 200mA, +CE	SOT-89-5	32um	VR4	6n	Tor
02S	ELM85273A	LVR-IC	LDO, 2.7±2%, 800mA, +CE	SOT-89-5	32vrt	VR4	6h	Elm
02S	XC6505A541PR	LVR-IC	LDO, 5.4V±1%, 200mA, +CE	SOT-89-5	32um	VR4	6n	Tor

SECTION 9
6 and more pin CASES SMD SEMICONDUCTOR COMPONENTS



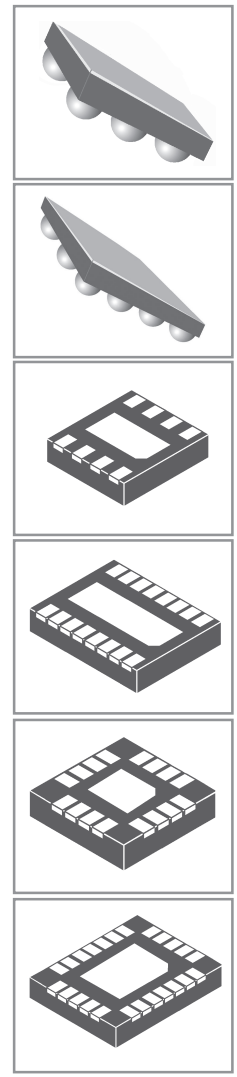




SMD code	Type	Function	Short description	Case	Pinout	Sch.	St.	Mnf.
+AAAA	MAX9718AEUB+	LIN-IC	AF PA, BTL, 2.7..5.5V 1.4W(5V/4Ω), select shutdown	SOP-10	60	AFP19	8d	Max
+AAAB	MAX9718BEUB+	LIN-IC	AF PA, BTL, 2.7..5.5V, 1.4W(5V/4Ω), select shutdown	SOP-10	60	AFP20	8d	Max
+AAAC	MAX9718CEUB+	LIN-IC	AF PA, BTL, 2.7..5.5V, 1.4W(5V/4Ω), select shutdown	SOP-10	60	AFP20	8d	Max
+AAAD	MAX9718DEUB+	LIN-IC	AF PA, BTL, 2.7..5.5V, 1.4W(5V/4Ω), select shutdown	SOP-10	60	AFP20	8d	Max
+AAAJ	MAX9718EEUB+	LIN-IC	AF PA, BTL, 2.7..5.5V, 1.4W(5V/4Ω), select shutdown	SOP-10	60	AFP20	8d	Max
+AAAK	MAX9718FEUB+	LIN-IC	AF PA, BTL, 2.7..5.5V, 1.4W(5V/4Ω), select shutdown	SOP-10	60	AFP20	8d	Max
+AAAL	MAX9718GEUB+	LIN-IC	AF PA, BTL, 2.7..5.5V, 1.4W(5V/4Ω), select shutdown	SOP-10	60	AFP20	8d	Max
+AAAM	MAX9718HEUB+	LIN-IC	AF PA, BTL, 2.7..5.5V, 1.4W(5V/4Ω), select shutdown	SOP-10	60	AFP20	8d	Max
+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	-	8c	Kec
00	XC74WL00AASR	CMOS-Logic	Dual 2-input NAND gates	MSOP-8B	47/Log50	-	8d	Tor
005	FAN7005MU	LIN-IC	AF PA, 2.7..5.5V, 2x300mW(5V/8Ω), shutdown	SSOP-8	47	AFP17	-	F
00B	U74HC2G02-SM1	CMOS-Logic	Dual 2-input NOR gates	MSOP-8	47/Log53	-	8d	Utc
00BL	U74HC2G02L-SM1	CMOS-Logic	Dual 2-input NOR gates	MSOP-8	47/Log53	-	8d	Utc
00W	U74HC2G00-SM1	CMOS-Logic	Dual 2-input NAND gates	MSOP-8	47/Log50	-	8d	Utc
00WL	U74HC2G00L-SM1	CMOS-Logic	Dual 2-input NAND gates	MSOP-8	47/Log50	-	8d	Utc
011	EC49222-1-B3	LVR-IC	LDO, Dual out, Vout1/Vout2=3.0V/3.3V±2%, 250mA, +CE	SOT-23-6L	33x5	VR19	7d	Ecm
011	GS6202RQRF	LVR-IC	LDO, Dual out, Vout1/Vout2=3.0V/3.3V±2%, 250mA, +CE	SOT-23-6L	33x5	VR19	7b	Glo
012	EC49222-2-B3	LVR-IC	LDO, Dual out, Vout1/Vout2=1.8V/3.0V±2%, 250mA, +CE	SOT-23-6L	33x5	VR19	7d	Ecm
012	GS6202RFQF	LVR-IC	LDO, Dual out, Vout1/Vout2=1.8V/3.0V±2%, 250mA, +CE	SOT-23-6L	33x5	VR19	7b	Glo
013	EC49222-3-B3	LVR-IC	LDO, Dual out, Vout1/Vout2=3.0V/3.0V±2%, 250mA, +CE	SOT-23-6L	33x5	VR19	7d	Ecm
013	GS6202RQQF	LVR-IC	LDO, Dual out, Vout1/Vout2=3.0V/3.0V±2%, 250mA, +CE	SOT-23-6L	33x5	VR19	7b	Glo
014	EC49222-4-B3	LVR-IC	LDO, Dual out, Vout1/Vout2=1.3V/2.8V±2%, 250mA, +CE	SOT-23-6L	33x5	VR19	7d	Ecm
01A	EC49222-A-B3	LVR-IC	LDO, Dual out, Vout1/Vout2=3.3V/3.3V±2%, 250mA, +CE	SOT-23-6L	33x5	VR19	7d	Ecm
01A	GS6202RRRF	LVR-IC	LDO, Dual out, Vout1/Vout2=3.3V/3.3V±2%, 250mA, +CE	SOT-23-6L	33x5	VR19	7b	Glo
01B	EC49222-B-B3	LVR-IC	LDO, Dual out, Vout1/Vout2=2.8V/3.3V±2%, 250mA, +CE	SOT-23-6L	33x5	VR19	7d	Ecm
01B	GS6202RJRF	LVR-IC	LDO, Dual out, Vout1/Vout2=2.8V/3.3V±2%, 250mA, +CE	SOT-23-6L	33x5	VR19	7b	Glo
01C	EC49222-C-B3	LVR-IC	LDO, Dual out, Vout1/Vout2=2.5V/3.3V±2%, 250mA, +CE	SOT-23-6L	33x5	VR19	7d	Ecm
01C	GS6202RHRF	LVR-IC	LDO, Dual out, Vout1/Vout2=2.5V/3.3V±2%, 250mA, +CE	SOT-23-6L	33x5	VR19	7b	Glo
01C25A	XC9101C25ASR	DC-DC-IC	PWM, step-up, 2.5V±2.5%, 1.5A	SOP-8	47xd	DC17	8g	Tor
01C26A	XC9101C26ASR	DC-DC-IC	PWM, step-up, 2.6V±2.5%, 1.5A	SOP-8	47xd	DC17	8g	Tor
01C27A	XC9101C27ASR	DC-DC-IC	PWM, step-up, 2.7V±2.5%, 1.5A	SOP-8	47xd	DC17	8g	Tor
01C28A	XC9101C28ASR	DC-DC-IC	PWM, step-up, 2.8V±2.5%, 1.5A	SOP-8	47xd	DC17	8g	Tor
01C29A	XC9101C29ASR	DC-DC-IC	PWM, step-up, 2.9V±2.5%, 1.5A	SOP-8	47xd	DC17	8g	Tor
01C30A	XC9101C30ASR	DC-DC-IC	PWM, step-up, 3.0V±2.5%, 1.5A	SOP-8	47xd	DC17	8g	Tor
01C31A	XC9101C31ASR	DC-DC-IC	PWM, step-up, 3.1V±2.5%, 1.5A	SOP-8	47xd	DC17	8g	Tor
01C32A	XC9101C32ASR	DC-DC-IC	PWM, step-up, 3.2V±2.5%, 1.5A	SOP-8	47xd	DC17	8g	Tor
01C33A	XC9101C33ASR	DC-DC-IC	PWM, step-up, 3.3V±2.5%, 1.5A	SOP-8	47xd	DC17	8g	Tor
01C34A	XC9101C34ASR	DC-DC-IC	PWM, step-up, 3.4V±2.5%, 1.5A	SOP-8	47xd	DC17	8g	Tor
01C35A	XC9101C35ASR	DC-DC-IC	PWM, step-up, 3.5V±2.5%, 1.5A	SOP-8	47xd	DC17	8g	Tor
01C36A	XC9101C36ASR	DC-DC-IC	PWM, step-up, 3.6V±2.5%, 1.5A	SOP-8	47xd	DC17	8g	Tor
01C37A	XC9101C37ASR	DC-DC-IC	PWM, step-up, 3.7V±2.5%, 1.5A	SOP-8	47xd	DC17	8g	Tor
01C38A	XC9101C38ASR	DC-DC-IC	PWM, step-up, 3.8V±2.5%, 1.5A	SOP-8	47xd	DC17	8g	Tor
01C39A	XC9101C39ASR	DC-DC-IC	PWM, step-up, 3.9V±2.5%, 1.5A	SOP-8	47xd	DC17	8g	Tor
01C40A	XC9101C40ASR	DC-DC-IC	PWM, step-up, 4.0V±2.5%, 1.5A	SOP-8	47xd	DC17	8g	Tor
01C41A	XC9101C41ASR	DC-DC-IC	PWM, step-up, 4.1V±2.5%, 1.5A	SOP-8	47xd	DC17	8g	Tor
01C42A	XC9101C42ASR	DC-DC-IC	PWM, step-up, 4.2V±2.5%, 1.5A	SOP-8	47xd	DC17	8g	Tor
01C43A	XC9101C43ASR	DC-DC-IC	PWM, step-up, 4.3V±2.5%, 1.5A	SOP-8	47xd	DC17	8g	Tor
01C44A	XC9101C44ASR	DC-DC-IC	PWM, step-up, 4.4V±2.5%, 1.5A	SOP-8	47xd	DC17	8g	Tor
01C45A	XC9101C45ASR	DC-DC-IC	PWM, step-up, 4.5V±2.5%, 1.5A	SOP-8	47xd	DC17	8g	Tor
01C46A	XC9101C46ASR	DC-DC-IC	PWM, step-up, 4.6V±2.5%, 1.5A	SOP-8	47xd	DC17	8g	Tor
01C47A	XC9101C47ASR	DC-DC-IC	PWM, step-up, 4.7V±2.5%, 1.5A	SOP-8	47xd	DC17	8g	Tor
01C48A	XC9101C48ASR	DC-DC-IC	PWM, step-up, 4.8V±2.5%, 1.5A	SOP-8	47xd	DC17	8g	Tor
01C49A	XC9101C49ASR	DC-DC-IC	PWM, step-up, 4.9V±2.5%, 1.5A	SOP-8	47xd	DC17	8g	Tor
01C50A	XC9101C50ASR	DC-DC-IC	PWM, step-up, 5.0V±2.5%, 1.5A	SOP-8	47xd	DC17	8g	Tor
01C51A	XC9101C51ASR	DC-DC-IC	PWM, step-up, 5.1V±2.5%, 1.5A	SOP-8	47xd	DC17	8g	Tor
01C52A	XC9101C52ASR	DC-DC-IC	PWM, step-up, 5.2V±2.5%, 1.5A	SOP-8	47xd	DC17	8g	Tor
01C53A	XC9101C53ASR	DC-DC-IC	PWM, step-up, 5.3V±2.5%, 1.5A	SOP-8	47xd	DC17	8g	Tor
01C54A	XC9101C54ASR	DC-DC-IC	PWM, step-up, 5.4V±2.5%, 1.5A	SOP-8	47xd	DC17	8g	Tor
01C55A	XC9101C55ASR	DC-DC-IC	PWM, step-up, 5.5V±2.5%, 1.5A	SOP-8	47xd	DC17	8g	Tor
01C56A	XC9101C56ASR	DC-DC-IC	PWM, step-up, 5.6V±2.5%, 1.5A	SOP-8	47xd	DC17	8g	Tor
01C57A	XC9101C57ASR	DC-DC-IC	PWM, step-up, 5.7V±2.5%, 1.5A	SOP-8	47xd	DC17	8g	Tor
01C58A	XC9101C58ASR	DC-DC-IC	PWM, step-up, 5.8V±2.5%, 1.5A	SOP-8	47xd	DC17	8g	Tor
01C59A	XC9101C59ASR	DC-DC-IC	PWM, step-up, 5.9V±2.5%, 1.5A	SOP-8	47xd	DC17	8g	Tor
01C60A	XC9101C60ASR	DC-DC-IC	PWM, step-up, 6.0V±2.5%, 1.5A	SOP-8	47xd	DC17	8g	Tor
01C61A	XC9101C61ASR	DC-DC-IC	PWM, step-up, 6.1V±2.5%, 1.5A	SOP-8	47xd	DC17	8g	Tor
01C62A	XC9101C62ASR	DC-DC-IC	PWM, step-up, 6.2V±2.5%, 1.5A	SOP-8	47xd	DC17	8g	Tor
01C63A	XC9101C63ASR	DC-DC-IC	PWM, step-up, 6.3V±2.5%, 1.5A	SOP-8	47xd	DC17	8g	Tor
01C64A	XC9101C64ASR	DC-DC-IC	PWM, step-up, 6.4V±2.5%, 1.5A	SOP-8	47xd	DC17	8g	Tor

SECTION 10

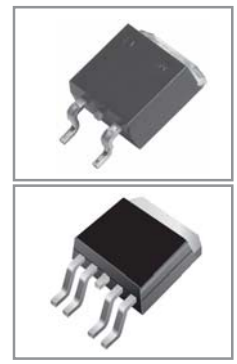
BGA, DFN and QFN CASES SMD SEMICONDUCTOR COMPONENTS



SMD code	Type	Function	Short description	Case	Pinout	Sch.	St.	Mnf.
___HE_	SN74AUP2G08YFP	CMOS-Logic	Dual 2-input AND gates	MBGA-8	50/Log51	-	9d	Ti
___HE_	SN74AUP2G08YZP	CMOS-Logic	Dual 2-input AND gates	BGA-8	50/Log51	-	9d	Ti
___HM_	SN74AUP2G125YFP	CMOS-Logic	Dual bus buffer with 3-state output	MBGA-8	50/Log54	-	9d	Ti
___HM_	SN74AUP2G125YZP	CMOS-Logic	Dual bus buffer with 3-state output	BGA-8	50/Log54	-	9d	Ti
___HN_	SN74AUP2G126YFP	CMOS-Logic	Bus buffer gate with 3-state output	MBGA-8	50/Log13	-	9d	Ti
___HN_	SN74AUP2G126YZP	CMOS-Logic	Bus buffer gate with 3-state output	BGA-8	50/Log13	-	9d	Ti
___C2_	SN74LVC1G10YZP	CMOS-Logic	3-input NAND gate	BGA-6	40/Log29	-	9d	Ti
___C2_	SN74LVC2G241YZP	CMOS-Logic	Dual bus buffer non-inverted with 3-state output	BGA-8	50/Log60	-	9d	Ti
___C3_	SN74LVC2G157YZP	CMOS-Logic	2-input multiplexer	BGA-8	50/Log66	-	9d	Ti
___C4_	SN74LVC2G53YZP	CMOS-Logic	2-channel analog multiplexer/demultiplexer	BGA-8	50/Log58	-	9d	Ti
___C6_	SN74LVC2G66YZP	CMOS-Logic	2-channel analog switch	BGA-8	50/Log68	-	9d	Ti
___C7_	SN74LVC2G17YZP	CMOS-Logic	Dual Schmitt-trigger buffers	BGA-6	40/Log27	-	9d	Ti
___C9_	SN74LVC2G34YZP	CMOS-Logic	Dual non-inverter buffers	BGA-6	40/Log23	-	9d	Ti
___CA_	SN74LVC2G00YZP	CMOS-Logic	Dual 2-input NAND gates	BGA-8	50/Log50	-	9d	Ti
___CB_	SN74LVC2G02YZP	CMOS-Logic	Dual 2-input NOR gates	BGA-8	50/Log53	-	9d	Ti
___CC_	SN74LVC2G04YZP	CMOS-Logic	Dual inverters	BGA-6	40/Log24	-	9d	Ti
___CE_	SN74LVC2G08YZP	CMOS-Logic	Dual 2-input AND gates	BGA-8	50/Log51	-	9d	Ti
___CF_	SN74LVC2G14YZP	CMOS-Logic	Dual Schmitt-trigger inverter buffers	BGA-6	40/Log34	-	9d	Ti
___CG_	SN74LVC2G32YZP	CMOS-Logic	Dual 2-input OR gates	BGA-8	50/Log52	-	9d	Ti
___CK_	SN74LVC2G240YZP	CMOS-Logic	Dual bus buffer inverted with 3-state output	BGA-8	50/Log67	-	9d	Ti
___CM_	SN74LVC2G125YZP	CMOS-Logic	Dual bus buffer with 3-state output	BGA-8	50/Log54	-	9d	Ti
___CN_	SN74LVC2G126YZP	CMOS-Logic	Bus buffer gate with 3-state output	BGA-8	50/Log13	-	9d	Ti
___CT_	SN74LVC2G06YZP	CMOS-Logic	Dual inverter buffers/drivers (ODO)	BGA-6	40/Log25	-	9d	Ti
___CU_	SN74LVC1G27YZP	CMOS-Logic	3-input NOR gate	WCSP-6	40/Log31	-	9d	Ti
___CV_	SN74LVC2G07YZP	CMOS-Logic	Dual noninverting buffers/drivers (ODO)	BGA-6	40/Log26	-	9d	Ti
___D3_	SN74LVC1G373YZP	CMOS-Logic	D-type transparent latch with 3-state output	WCSP-6	40/Log35	-	9d	Ti
___D5_	SN74LVC2G132YZP	CMOS-Logic	Dual 2-input NOR gates with Schmitt-trigger inputs	BGA-8	50/Log49	-	9d	Ti
___D7_	SN74LVC1G38YEP	CMOS-Logic	2-input NAND gate (ODO)	BGA-5	46/Log17	-	9a	Ti
___D7_	SN74LVC2G38YZP	CMOS-Logic	Dual 2-input NAND gate (ODO)	BGA-8	50/Log62	-	9d	Ti
___HP_	SN74AUP1G97YZP	CMOS-Logic	Configurable multiple-function gate	WCSP-6	40/Log41	-	9d	Ti
___HR_	SN74AUP1G98YZP	CMOS-Logic	Configurable multiple-function gate	WCSP-6	40/Log43	-	9d	Ti
___HV_	SN74AUP1G07YEP	CMOS-Logic	Noninverting buffer/driver (ODO)	BGA-5	46/Log8	-	9a	Ti
___HW_	SN74AUP1G79YEP	CMOS-Logic	Positive edge-triggered D-type flip-flop	BGA-5	46/Log20	-	9a	Ti
___HX_	SN74AUP1G80YEP	CMOS-Logic	Positive edge-triggered D-type flip-flop	BGA-5	46/Log21	-	9a	Ti
___U2_	SN74AUC2G241YZP	CMOS-Logic	Dual bus buffer non-inverted with 3-state output	BGA-8	50/Log60	-	9d	Ti
___U6_	SN74AUC2G66YZP	CMOS-Logic	2-channel analog switch	BGA-8	50/Log68	-	9d	Ti
___U7_	SN74AUC1G17YEA	CMOS-Logic	Schmitt-trigger	BGA-5	46/Log11	-	9a	Ti
___U9_	SN74AUC2G34YZP	CMOS-Logic	Dual non-inverter buffers	BGA-6	40/Log23	-	9d	Ti
___UA_	SN74AUC1G00YEA	CMOS-Logic	2-input NAND gate	BGA-5	46/Log1	-	9a	Ti
___UA_	SN74AUC2G00YZP	CMOS-Logic	Dual 2-input NAND gates	BGA-8	50/Log50	-	9d	Ti
___UB_	SN74AUC2G02YZP	CMOS-Logic	Dual 2-input NOR gates	BGA-8	50/Log53	-	9d	Ti
___UC_	SN74AUC2G04YEP	CMOS-Logic	Dual inverters	BGA-6	40/Log24	-	9d	Ti
___UD_	SN74AUC2GU04YZP	CMOS-Logic	Dual inverters	BGA-6	40/Log24	-	9d	Ti
___UE_	SN74AUC2G08YZP	CMOS-Logic	Dual 2-input AND gates	BGA-8	50/Log51	-	9d	Ti
___UF_	SN74AUC1G14YEA	CMOS-Logic	Inverting Schmitt-trigger	BGA-5	46/Log7	-	9a	Ti
___UG_	SN74AUC1G32YEA	CMOS-Logic	2-input OR gate	BGA-5	46/Log4	-	9a	Ti
___UG_	SN74AUC2G32YZP	CMOS-Logic	Dual 2-input OR gates	BGA-8	50/Log52	-	9d	Ti
___UH_	SN74AUC2G86YZP	CMOS-Logic	Dual 2-input EXCLUSIVE-OR gates	BGA-8	50/Log65	-	9d	Ti
___UK_	SN74AUC1G240YEP	CMOS-Logic	Bus buffer inverted with 3–state output	BGA-5	46/Log22	-	9a	Ti
___UK_	SN74AUC2G240YZP	CMOS-Logic	Dual bus buffer inverted with 3-state output	BGA-8	50/Log67	-	9d	Ti
___UM_	SN74AUC1G125YEA	CMOS-Logic	Bus buffer gate with 3-state output	BGA-5	46/Log14	-	9a	Ti
___UM_	SN74AUC2G125YZP	CMOS-Logic	Dual bus buffer with 3-state output	BGA-8	50/Log54	-	9d	Ti
___UN_	SN74AUC1G126YEP	CMOS-Logic	Bus buffer gate with 3-state output	BGA-5	46/Log13	-	9a	Ti
___UN_	SN74AUC2G126YZP	CMOS-Logic	Bus buffer gate with 3-state output	BGA-8	50/Log13	-	9d	Ti
___UP_	SN74AUP1G74YEP	CMOS-Logic	Positive edge-triggered D-type flip-flop with set and reset	WCSP-8	50/Log59	-	9d	Ti
___UR_	SN74AUC2G79YZP	CMOS-Logic	Dual positive-edge triggered D-type flip-flop	BGA-8	50/Log63	-	9d	Ti
___UT_	SN74AUC2G06YZP	CMOS-Logic	Dual inverter buffers/drivers (ODO)	BGA-6	40/Log25	-	9d	Ti
___UV_	SN74AUC2G07YZP	CMOS-Logic	Dual noninverting buffers/drivers (ODO)	BGA-6	40/Log26	-	9d	Ti
___UX_	SN74AUC2G80YZP	CMOS-Logic	Dual positive-edge triggered D-type flip-flop	BGA-8	50/Log64	-	9d	Ti
+AAT	MAX9724AETC+	LIN-IC	AF PA, 2.7..5.5V, 2x60mW(3V/32Ω), shutdown	QFN-12	38	-	9m	Max
+AAU	MAX9724BETC+	LIN-IC	AF PA, 2.7..5.5V, 2x60mW(3V/32Ω), shutdown	QFN-12	38	-	9m	Max
+AAW	MAX9718BETB+T	LIN-IC	AF PA, BTL, 2.7..5.5V 1.4W(5V/4Ω), select shutdown	DFN-10	37	AFP20	9m	Max
+AAX	MAX9718CETB+T	LIN-IC	AF PA, BTL, 2.7..5.5V, 1.4W(5V/4Ω), select shutdown	DFN-10	37	AFP20	9m	Max
+AAY	MAX9718DETB+T	LIN-IC	AF PA, BTL, 2.7..5.5V, 1.4W(5V/4Ω), select shutdown	DFN-10	37	AFP20	9m	Max
+ABJ	MAX9724CETC+	LIN-IC	AF PA, 2.7..5.5V, 2x60mW(3V/32Ω), shutdown	QFN-12	38	-	9m	Max
+ABK	MAX9724DETC+	LIN-IC	AF PA, 2.7..5.5V, 2x60mW(3V/32Ω), shutdown	QFN-12	38	-	9m	Max
+ADH	MAX9724AEBC+T	LIN-IC	AF PA, 2.7..5.5V, 2x60mW(3V/32Ω), shutdown	BGA-12	39	-	9m	Max
+ADI	MAX9724BEBC+T	LIN-IC	AF PA, 2.7..5.5V, 2x60mW(3V/32Ω), shutdown	BGA-12	39	-	9m	Max
+ADX	MAX9718BEBL+TG45	LIN-IC	AF PA, BTL, 2.7..5.5V, 1.4W(5V/4Ω), select shutdown	BGA-9	39	AFP54	9m	Max
+ADZ	MAX9718CEBL+TG45	LIN-IC	AF PA, BTL, 2.7..5.5V, 1.4W(5V/4Ω), select shutdown	BGA-9	39	AFP54	9m	Max

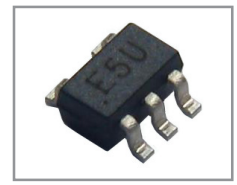
SECTION 11

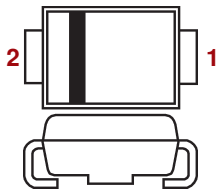
D-PAK CASES SMD SEMICONDUCTOR COMPONENTS



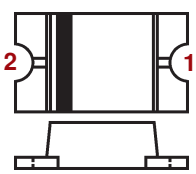
SMD code	Type	Function	Short description	Case	Pinout	Sch.	St.	Mnf.
100	XC6503P121JR-G	LVR-IC	LDO, 1.2V±20mV, 500mA	TO-252	68eu	VR1	10a	Tor
101	XC6503P131JR-G	LVR-IC	LDO, 1.3V±20mV, 500mA	TO-252	68eu	VR1	10a	Tor
102	XC6503P141JR-G	LVR-IC	LDO, 1.4V±20mV, 500mA	TO-252	68eu	VR1	10a	Tor
103	XC6503P151JR-G	LVR-IC	LDO, 1.5V±20mV, 500mA	TO-252	68eu	VR1	10a	Tor
104	XC6503P161JR-G	LVR-IC	LDO, 1.6V±20mV, 500mA	TO-252	68eu	VR1	10a	Tor
105	XC6503P171JR-G	LVR-IC	LDO, 1.7V±20mV, 500mA	TO-252	68eu	VR1	10a	Tor
106	XC6503P181JR-G	LVR-IC	LDO, 1.8V±20mV, 500mA	TO-252	68eu	VR1	10a	Tor
107	XC6503P191JR-G	LVR-IC	LDO, 1.9V±20mV, 500mA	TO-252	68eu	VR1	10a	Tor
108	XC6503P201JR-G	LVR-IC	LDO, 2.0V±1%, 500mA	TO-252	68eu	VR1	10a	Tor
109	XC6503P211JR-G	LVR-IC	LDO, 2.1V±1%, 500mA	TO-252	68eu	VR1	10a	Tor
10A	XC6503P221JR-G	LVR-IC	LDO, 2.2V±1%, 500mA	TO-252	68eu	VR1	10a	Tor
10B	XC6503P231JR-G	LVR-IC	LDO, 2.3V±1%, 500mA	TO-252	68eu	VR1	10a	Tor
10C	XC6503P241JR-G	LVR-IC	LDO, 2.4V±1%, 500mA	TO-252	68eu	VR1	10a	Tor
10D	XC6503P251JR-G	LVR-IC	LDO, 2.5V±1%, 500mA	TO-252	68eu	VR1	10a	Tor
10E	XC6503P261JR-G	LVR-IC	LDO, 2.6V±1%, 500mA	TO-252	68eu	VR1	10a	Tor
10F	XC6503P271JR-G	LVR-IC	LDO, 2.7V±1%, 500mA	TO-252	68eu	VR1	10a	Tor
10H	XC6503P281JR-G	LVR-IC	LDO, 2.8V±1%, 500mA	TO-252	68eu	VR1	10a	Tor
10K	XC6503P291JR-G	LVR-IC	LDO, 2.9V±1%, 500mA	TO-252	68eu	VR1	10a	Tor
10L	XC6503P301JR-G	LVR-IC	LDO, 3.0V±1%, 500mA	TO-252	68eu	VR1	10a	Tor
10M	XC6503P311JR-G	LVR-IC	LDO, 3.1V±1%, 500mA	TO-252	68eu	VR1	10a	Tor
10N	XC6503P321JR-G	LVR-IC	LDO, 3.2V±1%, 500mA	TO-252	68eu	VR1	10a	Tor
10N03LA	IPD10N03LA	n-MOSFET-e*	LogL, DC/DC-conv, 25V, 30A, 52W, Rds=10.4mΩ(10V), 6.3/18ns	TO-252-3-11	68fw	-	10b	Inf
10N03LA	IPF10N03LA	n-MOSFET-e*	LogL, DC/DC-conv, 25V, 30A, 52W, Rds=10.4mΩ(10V), 6.3/18ns	TO-252-3-23	68fw	-	10b	Inf
10N03LA	IPS10N03LA	n-MOSFET-e*	LogL, DC/DC-conv, 25V, 30A, 52W, Rds=10.4mΩ(10V), 6.3/18ns	TO-251-3-11	68fw	-	10b	Inf
10N03LA	IPU10N03LA	n-MOSFET-e*	LogL, DC/DC-conv, 25V, 30A, 52W, Rds=10.4mΩ(10V), 6.3/18ns	TO-251-3-1	68fw	-	10b	Inf
10P	XC6503P331JR-G	LVR-IC	LDO, 3.3V±1%, 500mA	TO-252	68eu	VR1	10a	Tor
10R	XC6503P341JR-G	LVR-IC	LDO, 3.4V±1%, 500mA	TO-252	68eu	VR1	10a	Tor
10S	XC6503P351JR-G	LVR-IC	LDO, 3.5V±1%, 500mA	TO-252	68eu	VR1	10a	Tor
10T	XC6503P361JR-G	LVR-IC	LDO, 3.6V±1%, 500mA	TO-252	68eu	VR1	10a	Tor
10U	XC6503P371JR-G	LVR-IC	LDO, 3.7V±1%, 500mA	TO-252	68eu	VR1	10a	Tor
10V	XC6503P381JR-G	LVR-IC	LDO, 3.8V±1%, 500mA	TO-252	68eu	VR1	10a	Tor
10X	XC6503P391JR-G	LVR-IC	LDO, 3.9V±1%, 500mA	TO-252	68eu	VR1	10a	Tor
10Y	XC6503P401JR-G	LVR-IC	LDO, 4.0V±1%, 500mA	TO-252	68eu	VR1	10a	Tor
10Z	XC6503P411JR-G	LVR-IC	LDO, 4.1V±1%, 500mA	TO-252	68eu	VR1	10a	Tor
110	XC6503P421JR-G	LVR-IC	LDO, 4.2V±1%, 500mA	TO-252	68eu	VR1	10a	Tor
111	XC6503P431JR-G	LVR-IC	LDO, 4.3V±1%, 500mA	TO-252	68eu	VR1	10a	Tor
112	XC6503P441JR-G	LVR-IC	LDO, 4.4V±1%, 500mA	TO-252	68eu	VR1	10a	Tor
113	XC6503P451JR-G	LVR-IC	LDO, 4.5V±1%, 500mA	TO-252	68eu	VR1	10a	Tor
114	XC6503P461JR-G	LVR-IC	LDO, 4.6V±1%, 500mA	TO-252	68eu	VR1	10a	Tor
115	XC6503P471JR-G	LVR-IC	LDO, 4.7V±1%, 500mA	TO-252	68eu	VR1	10a	Tor
116	XC6503P481JR-G	LVR-IC	LDO, 4.8V±1%, 500mA	TO-252	68eu	VR1	10a	Tor
117	XC6503P491JR-G	LVR-IC	LDO, 4.9V±1%, 500mA	TO-252	68eu	VR1	10a	Tor
118	XC6503P501JR-G	LVR-IC	LDO, 5.0V±1%, 500mA	TO-252	68eu	VR1	10a	Tor
1182	2SB1182PT	Si-pnp	AF, Sw, 32V, 2A, B=82..390, 100MHz	DPAK	68tb	-	10a	Chm
120	XC6503P12AJR-G	LVR-IC	LDO, 1.25V±20mV, 500mA	TO-252	68eu	VR1	10a	Tor
121	XC6503P13AJR-G	LVR-IC	LDO, 1.35V±20mV, 500mA	TO-252	68eu	VR1	10a	Tor
122	XC6503P14AJR-G	LVR-IC	LDO, 1.45V±20mV, 500mA	TO-252	68eu	VR1	10a	Tor
123	XC6503P15AJR-G	LVR-IC	LDO, 1.55V±20mV, 500mA	TO-252	68eu	VR1	10a	Tor
124	XC6503P16AJR-G	LVR-IC	LDO, 1.65V±20mV, 500mA	TO-252	68eu	VR1	10a	Tor
125	XC6503P17AJR-G	LVR-IC	LDO, 1.75V±20mV, 500mA	TO-252	68eu	VR1	10a	Tor
126	XC6503P18AJR-G	LVR-IC	LDO, 1.85V±20mV, 500mA	TO-252	68eu	VR1	10a	Tor
127	XC6503P19AJR-G	LVR-IC	LDO, 1.95V±20mV, 500mA	TO-252	68eu	VR1	10a	Tor
128	XC6503P20AJR-G	LVR-IC	LDO, 2.05V±1%, 500mA	TO-252	68eu	VR1	10a	Tor
129	XC6503P21AJR-G	LVR-IC	LDO, 2.15V±1%, 500mA	TO-252	68eu	VR1	10a	Tor
12A	XC6503P22AJR-G	LVR-IC	LDO, 2.25V±1%, 500mA	TO-252	68eu	VR1	10a	Tor
12B	XC6503P23AJR-G	LVR-IC	LDO, 2.35V±1%, 500mA	TO-252	68eu	VR1	10a	Tor
12C	XC6503P24AJR-G	LVR-IC	LDO, 2.45V±1%, 500mA	TO-252	68eu	VR1	10a	Tor
12D	XC6503P25AJR-G	LVR-IC	LDO, 2.55V±1%, 500mA	TO-252	68eu	VR1	10a	Tor
12E	XC6503P26AJR-G	LVR-IC	LDO, 2.65V±1%, 500mA	TO-252	68eu	VR1	10a	Tor
12F	XC6503P27AJR-G	LVR-IC	LDO, 2.75V±1%, 500mA	TO-252	68eu	VR1	10a	Tor
12H	XC6503P28AJR-G	LVR-IC	LDO, 2.85V±1%, 500mA	TO-252	68eu	VR1	10a	Tor
12K	XC6503P29AJR-G	LVR-IC	LDO, 2.95V±1%, 500mA	TO-252	68eu	VR1	10a	Tor
12L	XC6503P30AJR-G	LVR-IC	LDO, 3.05V±1%, 500mA	TO-252	68eu	VR1	10a	Tor
12M	XC6503P31AJR-G	LVR-IC	LDO, 3.15V±1%, 500mA	TO-252	68eu	VR1	10a	Tor
12N	XC6503P32AJR-G	LVR-IC	LDO, 3.25V±1%, 500mA	TO-252	68eu	VR1	10a	Tor
12P	XC6503P33AJR-G	LVR-IC	LDO, 3.35V±1%, 500mA	TO-252	68eu	VR1	10a	Tor
12R	XC6503P34AJR-G	LVR-IC	LDO, 3.45V±1%, 500mA	TO-252	68eu	VR1	10a	Tor
12S	XC6503P35AJR-G	LVR-IC	LDO, 3.55V±1%, 500mA	TO-252	68eu	VR1	10a	Tor
12T	XC6503P36AJR-G	LVR-IC	LDO, 3.65V±1%, 500mA	TO-252	68eu	VR1	10a	Tor
12U	XC6503P37AJR-G	LVR-IC	LDO, 3.75V±1%, 500mA	TO-252	68eu	VR1	10a	Tor

SECTION 12
CONVENTIONAL CASE DRAWINGS

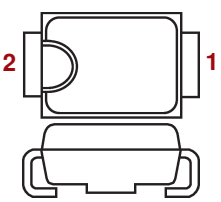




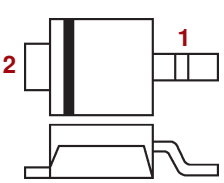
1 Top view



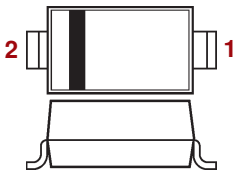
2 Top view



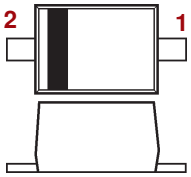
3 Top view



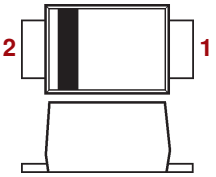
4 Top view



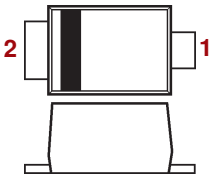
5 Top view



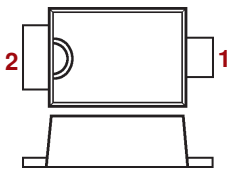
6 Top view



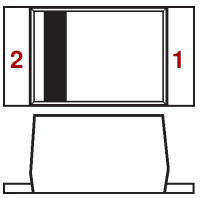
7 Top view



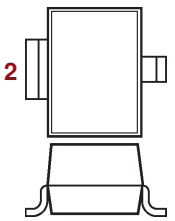
8 Top view



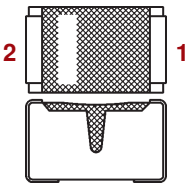
9 Top view



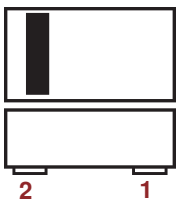
10 Top view



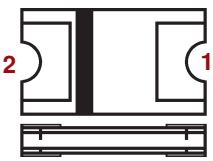
11 Top view



12 Top view

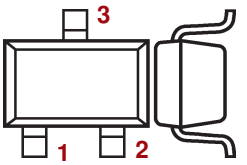


13 Top view

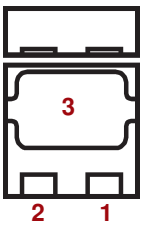


14 Top view

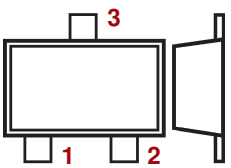
15



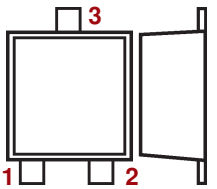
16 Top view



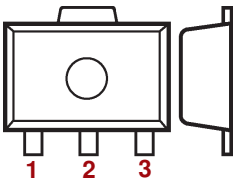
17 Bottom view



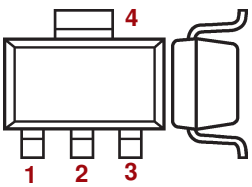
18 Top view



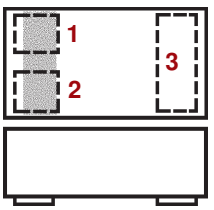
19 Top view



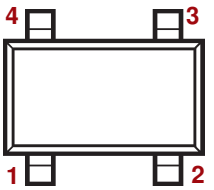
20 Top view



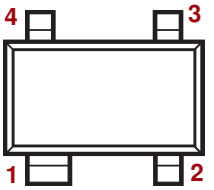
21 Top view



22 Bottom view

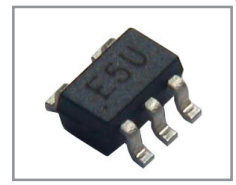


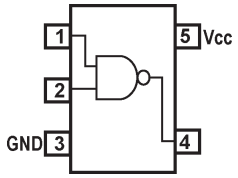
23 Top view



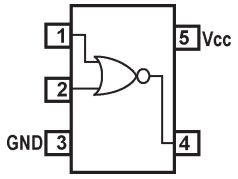
24 Top view

SECTION 13
CASES PIN ASSIGNMENTS / PINOUTS

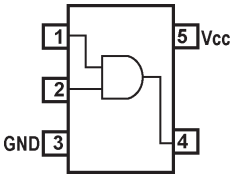




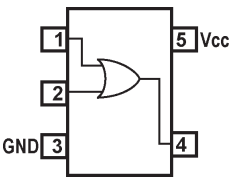
Log1



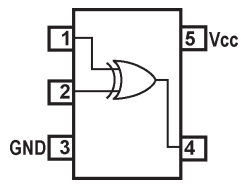
Log2



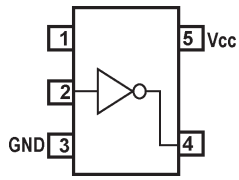
Log3



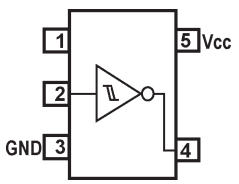
Log4



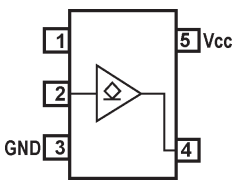
Log5



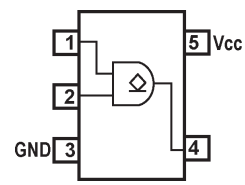
Log6



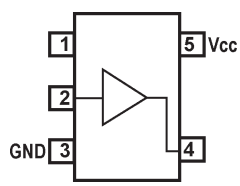
Log7



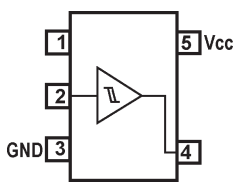
Log8



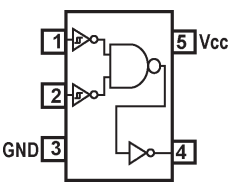
Log9



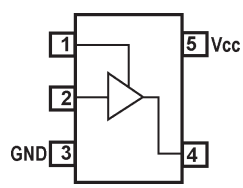
Log10



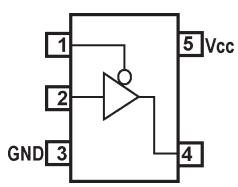
Log11



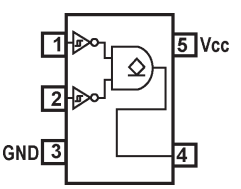
Log12



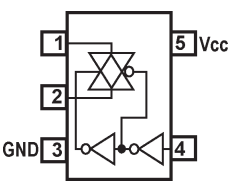
Log13



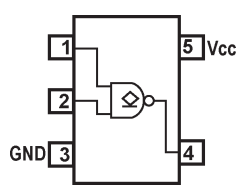
Log14



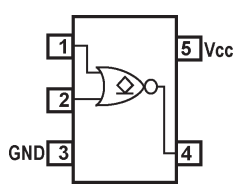
Log15



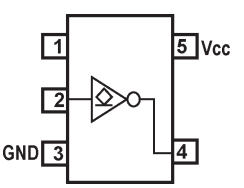
Log16



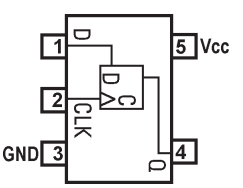
Log17



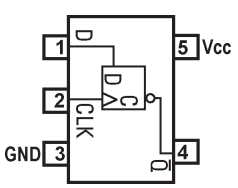
Log18



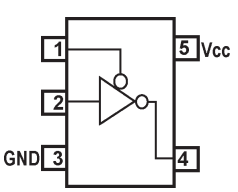
Log19



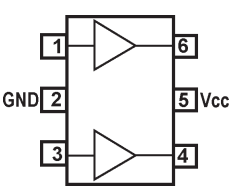
Log20



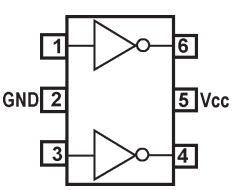
Log21



Log22



Log23



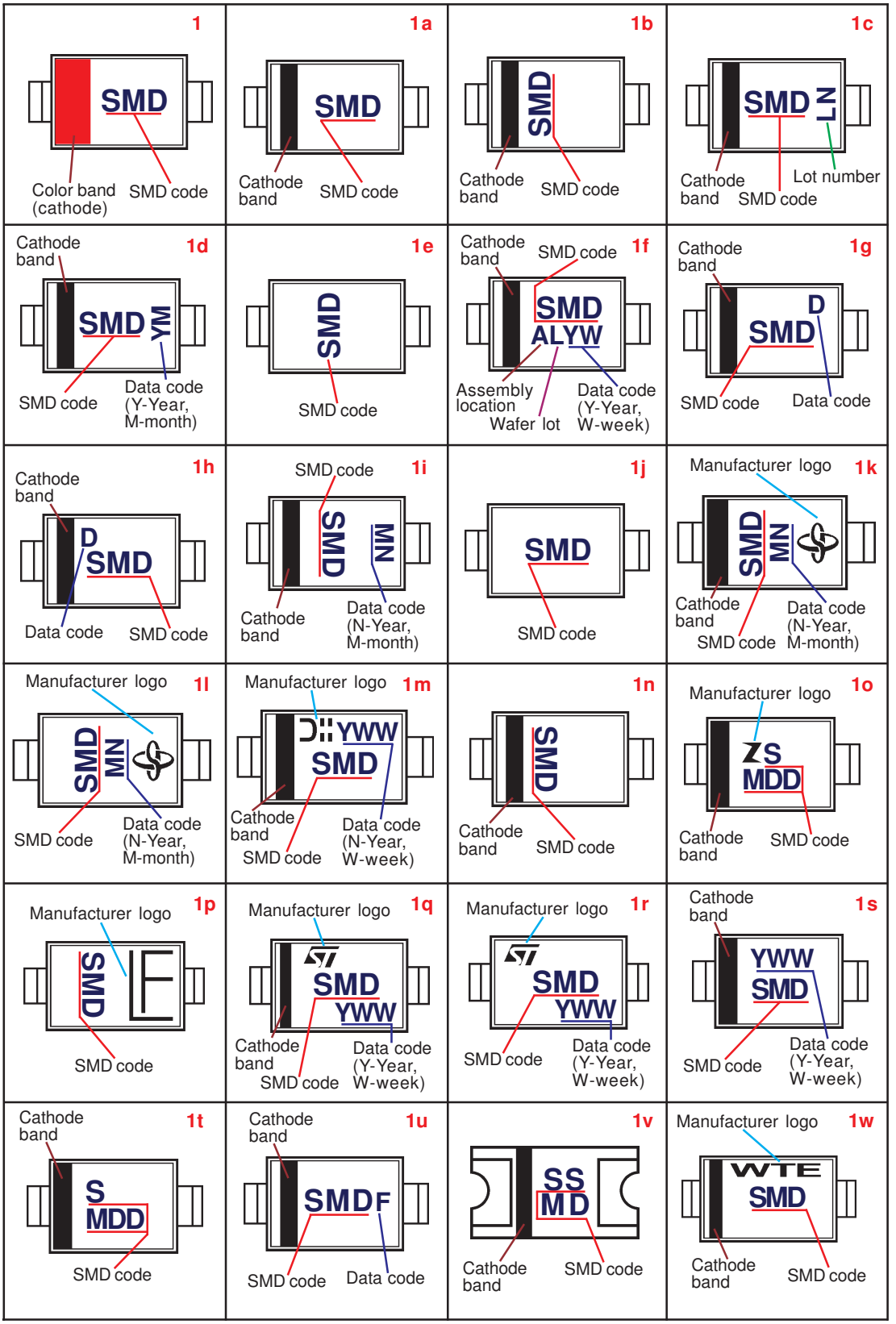
Log24

SECTION 14

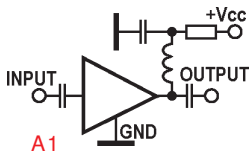
PIN / TERMINAL FUNCTION (Table)

	PIN 1	PIN2	PIN3	PIN4	PIN5	PIN6	PIN7	PIN8
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
ad	Input	GND	Vcc	Output	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	E	E	B	E	E	C	-	-
ai	GND		Vcc	Input	Output	-	-	-
aj	GND	Vcc/Vout	GND	Input	-	-	-	-
ak	N/C	Cathode	Anode	-	-	-	-	-
am	Vcc/Output	GND	Input	GND	-	-	-	-
an	Output	GND	Input	Vcc	GND	-	-	-
ao	Cathode(A)	N/C	Cathode(A)	Anode(K)	-	-	-	-
ap	Cathode	N/C	Cathode	Anode	-	-	-	-
ba	Cathode(A)	Cathode(A)	-	-	-	-	-	-
bb	Cathode1	Cathode2	Cathode3	Anode3	Anode2	Anode1	-	-
bc	Cathode1	Common A	Cathode2	Cathode3	Cathode4	-	-	-
bd	Cathode	Cathode	Anode	-	-	-	-	-
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	-	-
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	-	-	-	-
bw	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
cc	Reset	MR	GND	Vcc	-	-	-	-
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	-	-	-
cr	Vcc	GND	MR	Reset	-	-	-	-
cs	Anode1	Cathode1	Anode2	K2	-	-	-	-
ct	Anode1	Cathode1	K2	Anode2	-	-	-	-
cu	Vinput	GND	CE	Shutdown	Voutput	-	-	-
cv	Voutput	Shutdown	CE	Vinput	-	-	-	-
cw	Shutdown	GND	CE	Vinput	Voutput	-	-	-
cx	Vinput	GND	CE	N/C	Voutput	-	-	-
cy	Adjust	Vinput	Voutput	Vinput	-	-	-	-

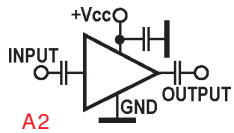
SECTION15
SMD-CODE MARKING STYLE


1
SMD
Color band (cathode)
SMD code
1a
SMD
Cathode band
SMD code
1b
SMD
Cathode band
SMD code
1c
SMD LN
Cathode band
SMD code
Lot number
1d
Cathode band
SMD YM
SMD code
Data code (Y-Year, M-month)
1e
SMD
SMD code
1f
Cathode band
SMD code
SMD ALYW
Assembly location
Wafer lot
Data code (Y-Year, W-week)
1g
Cathode band
SMD D
SMD code
Data code
1h
Cathode band
D SMD
Data code
SMD code
1i
SMD code
SMD MN
Cathode band
Data code (N-Year, M-month)
1j
SMD
SMD code
1k
Manufacturer logo
SMD MN
Cathode band
SMD code
Data code (N-Year, M-month)
1l
Manufacturer logo
SMD MN
SMD code
Data code (N-Year, M-month)
1m
Manufacturer logo
YWW
SMD
Cathode band
SMD code
Data code (N-Year, W-week)
1n
SMD
Cathode band
SMD code
1o
Manufacturer logo
S
MDD
Cathode band
SMD code
1p
Manufacturer logo
SMD LF
SMD code
1q
Manufacturer logo
SMD
YWW
Cathode band
SMD code
Data code (Y-Year, W-week)
1r
Manufacturer logo
SMD
YWW
SMD code
Data code (Y-Year, W-week)
1s
Cathode band
YWW
SMD
SMD code
Data code (Y-Year, W-week)
1t
Cathode band
S
MDD
SMD code
1u
Cathode band
SMDF
SMD code
Data code
1v
SS
MD
Cathode band
SMD code
1w
Manufacturer logo
WTE
SMD
Cathode band
SMD code

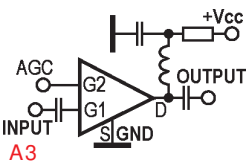
SECTION 16
SAMPLE SCHEMATIC DIAGRAMS



A1



A2



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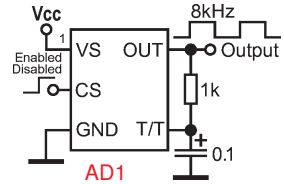

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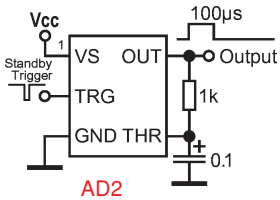

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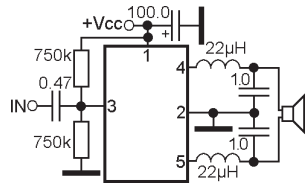

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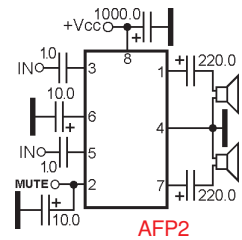

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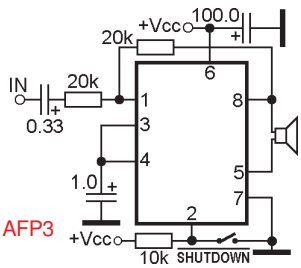
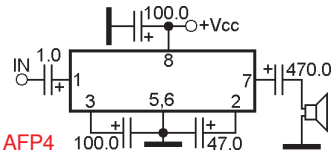


AFP3



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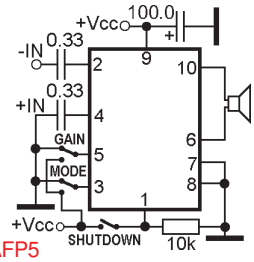

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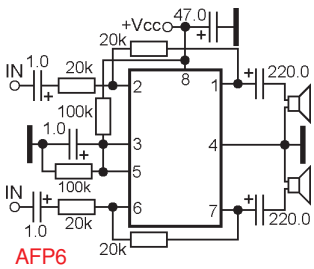

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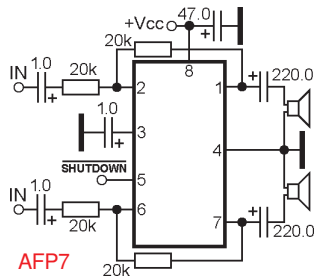

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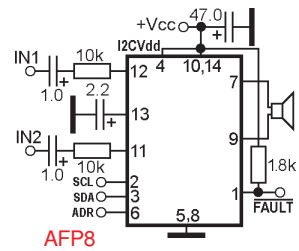

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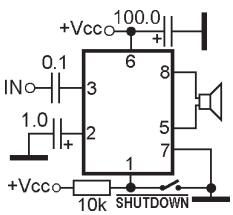
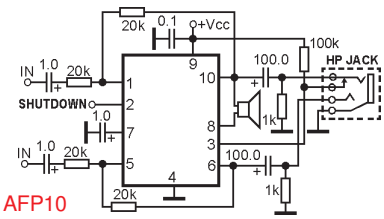
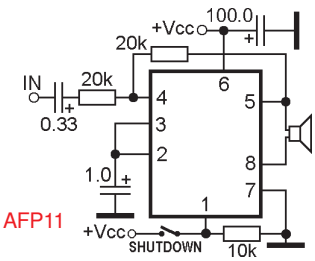


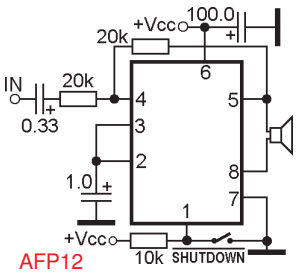
AFP9



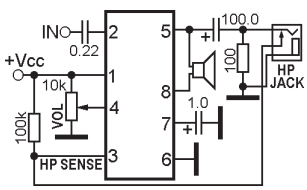
AFP10



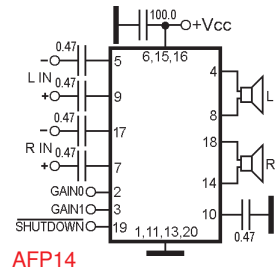
AFP11



AFP12



AFP13



AFP14

SECTION 17

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- 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

Ams- AMOS Technology Limited
Phone: (852) 2607- 4123
http://www.amos-tech.com

Ana- Anachip Corp.
2F, No.24-2, Industry E. Rd. IV, Science-Based Industrial Park, Hsinchu 300, Taiwan
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

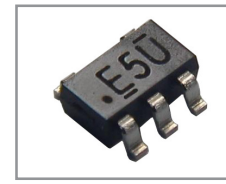
Aom- Alpha & Omega Semiconductor
495 Mercury Drive, Sunnyvale, CA 94085, USA, Phone: +1 (408) 830-9742
http://www.aosmd.com/

Aot- IRICO AOTOM (Hong Kong) Holdings Co., Ltd.
Unit 19,11/F.Asia Trade Centre No.79 LeiMuk Road.Kwai Chung.N.T
http://www.aotom.com

Ape- Advanced Power Electronics Corp.
12F-1, No.5, Taiyuan 1st ST., Zhubei City, Hsinchu Country, 30265, Taiwan, R.O.C.
http://www.a-power.com.tw/index.aspx

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

SECTION18
ADITTIONAL SMD INFO



On the cover of the electronic components besides SMD code, manufacturers can place additional information such as internal production lot number, traceability code, data of production, assembly location etc. The adittional info is an arbitral position and arbitral content (depending of the manufacturer) and can be alphanumeris symbol (symbols) or graphic symbol.

Below we present some adittional info from diverse manufacturers.

Lot number.

Manufacturer: Elm (ELM Technology Corporation):

Rules 1 (for ODO voltage detectors)

Symbol 1 - A to Z(I, O, X excepted)

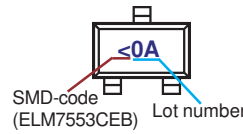
Symbol 2 - 0 to 9

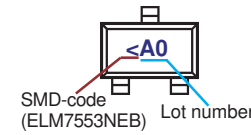
Rules 2 (for PPO voltage detectors)

Symbol 1 - 0 to 9

Symbol 2 - A to Z(I, O, X excepted)

Marking example:

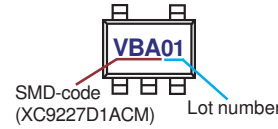




Manufacturer: Tor (Torex Semiconductor LTD):

01~09, 0A~0Z, 11~9Z, A1~A9, AA~AZ, B1~ZZ repeated,
(G, I, J, O, Q, W excluded.) * No character inversion used.

Marking example:

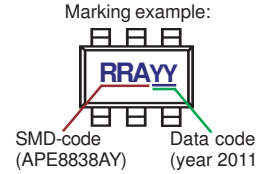


Data of production

Manufacturer: Ape (Advanced Power Electronics Corp.)

Code	Year
YY	2004, 2008, 2012
YY	2003, 2007, 2011
YY	2002, 2006, 2010
YY	2001, 2005, 2009

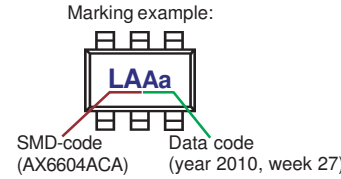
Marking example:



Manufacturer: Axl (AXElite Technology Co., Ltd)

Code	Year	Code	Week
7	2007	A...Z	1...26
8	2008	a...z	27...52
9	2009		
A	2010		
B	2011		
C	2012		

Marking example:

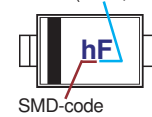


Manufacturer: Inf (Infineon Technologies AG)

Month	Y		e		a		r			
	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
01	a	p	A	P	a	p	A	P	a	p	A	P
02	b	q	B	Q	b	q	B	Q	b	q	B	Q
03	c	r	C	R	c	r	C	R	c	r	C	R
04	d	s	D	S	d	s	D	S	d	s	D	S
05	e	t	E	T	e	t	E	T	e	t	E	T
06	f	u	F	U	f	u	F	U	f	u	F	U
07	g	v	G	V	g	v	G	V	g	v	G	V
08	h	x	H	X	h	x	H	X	h	x	H	X
09	j	y	J	Y	j	y	J	Y	j	y	J	Y
10	k	z	K	Z	k	z	K	Z	k	z	K	Z
11	l	2	L	4	l	2	L	4	l	2	L	4
12	n	3	N	5	n	3	N	5	n	3	N	5

Marking example:

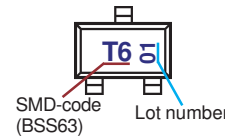
Data code (2006, June)



Manufacturer: Kec (Korea Electronics Co. Ltd.)

Year	Marking (Week)	Periode (Year)
1 st Year (2006)	01 02 ... 51 52	2006-2010-2014...
2 nd Year (2007)	0A 0B ... 5A 5B	2007-2011-2015...
4 rd Year (2008)	J1 J2 ... E1 E2	2008-2012-2016...
4 th Year (2009)	JA JB ... EA EB	2009-2013-2017...

Marking example:



Manufacturer: Pti (Pericom Tecnology Inc.)

Year	W		Year	W		Year	W		Year	W		Year	W	
2005	P 1	A	2006	R 1	A	2007	T 1	A	2008	V 1	A	2009	X 1	A
2005	P 2	B	2006	R 2	B	2007	T 2	B	2008	V 2	B	2009	X 2	B
2005	P 3	C	2006	R 3	C	2007	T 3	C	2008	V 3	C	2009	X 3	C
2005	P 4	D	2006	R 4	D	2007	T 4	D	2008	V 4	D	2009	X 4	D
2005	P 5	E	2006	R 5	E	2007	T 5	E	2008	V 5	E	2009	X 5	E
2005	P 6	F	2006	R 6	F	2007	T 6	F	2008	V 6	F	2009	X 6	F

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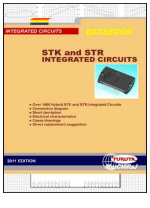

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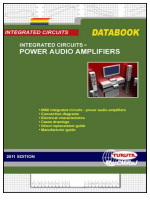
Connection diagram, application, short description, table of characteristics with all common parameters, replacements, case outline drawings available for all integrated circuits.



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