SMD-codes

DATABOOK

SMD-codes

Active SMD semiconductor components marking codes

- 450.000 active semiconductor components SMD-codes:
- Diodes, Transistors, Thyristors, Integrated Circuits
- Case pin assignment
- Pinout
- Marking style
- Schematic diagram
- Additional SMD info
- Case drawings
- Manufacturers

2023 EDITION

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ELECTRONICS COMPONENTS

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Active SMD components marking codes

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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.

For various manufacturers it is possible 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). Infineon devices usually have a lower case **'s'** (ATs, LOs). NXP (Philips) devices usually have a lower case **'p'** (AHp, Z1p, pB0) or **'-'** (DQ-, -ZS) for the devices made in Hong Kong, **'t'** (tT9, Y7t) for the devices made in Malaysia, "W" (WT9, Y7W) for the devices made in China. In section 19 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 concerning by the various standards (or concerning by the internal system). Besides, the various cases can have an identical kind (form) and differ only by sizes. 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 "Case" an equivalent type name for equivalent cases.

In addition to SMD-code, uper case 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")

Column 2 ("Type")

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

Column 3 ("Function")

Short definition of the semiconductor component.
Used abbreviations:

BM-IC	Battery Management integrated circuit
BR	Bridge Rectifier
C-diode	Capacitance diode (varactor, varicap)
CMOS-Log	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
HEMT	High electron mobility transistors
H-IC	Hall-effect sensor integrated circuit
HSPS-IC	High-side power switch integrated circuit
IGBT	Insulated Gate Bipolar Transistor
IGBT+Di	Insulated Gate Bipolar Transistor with antiparallel diode
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
-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
PDS-IC	Power distrubution switch integrated circuit
PHEMT	Pseudomorphic high electron mobility transistors
PIN-diode	Diode with a wide, undoped intrinsic semiconductor region
PSW-IC	Power Switch IC
Si-diode	Silicon diode
SiGe-diode	Silicon-Germanium diode
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
SiC-diode	Silicon-Carbide diode
SIDAC	Silicon unilateral voltage triggered switch
SiGe-diode	Silicon-Germanium diode
SiGe-npn	Silicon-Germanium npn transistor
SiGeC-npn	Silicon-Germanium-Carbon npn transistor
Si-Stab	Silicon stabistor
Si-Var	Silicon varistor
SSD	Surge supressor diode
SVR-IC	Switching Voltage Regulator integrated circuit
Tdet-IC	Thermal detector integrated circuit
Thy-SCR	Thyristor-controlled rectifier
Thy-SPD	Thyristor-surge protector device
Triac	Triode for alternating current
TVS	Transient voltage suppressor
Vdet-IC	Voltage Detector integrated circuit
Vref-IC	Voltage Reference integrated circuit
Z-diode	Zener diode

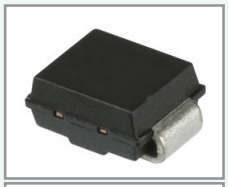
Column 4 (“Case”) Manufacturers case designation (section 18).

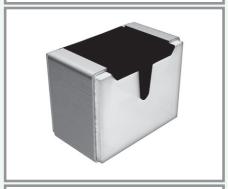
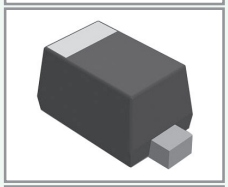
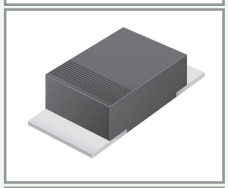
Column 5 (“Style”) “Style” (upercase placement of the SMD-code and additional infomation drawing). All styles drawings are placed in the section 14.

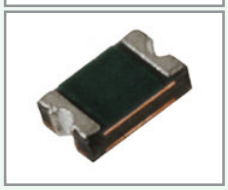
Column 6 (“Short description”)
Short data or description of function of each type.
Used abbreviations:

Adj.	Adjust, adjustable
AF	Audio Frequency
AGC	Automatic Gain Control
ALC	Automatic Level Control
AM	Amplitude Modulation (AM range)
Amp	Amplifier
Ant	Antenna
APA	Audio Power Amplifier
Att	Attenuator
Aval	Avalanshe
Disc.	Internal CL discharge
BISS	Breakthrough In Small Signal
BTL	Bridge Tied Loads
Buck-Boost	B-boost
Buff	Buffer
CATV	Broad band cable amplifier
+CE	Active HIGH Chip Enable
-CE	Active LOW Chip Enable
Cap	Capacitance
Cell	Cellular
CL	Internal CL discharge resistor
Conv	Converter
Cordl	Cordless
Ctrl	Controlled
CRD	Current Regulator Diode
CrL	Current Limiter
CrLL	Current Limiter with integral Latch
CV	Constant Voltage
-d	Depletion mode MOS
DECT	Digital Enhanced Cordless Telecommunications
Det	Detector
DG	Dual Gate
Diff	Differential
Dr, Drv	Driver
-e	Enhancemet mode MOS
EN	Enable
Ext.	External
Fdb-Pr.	Foldback protection
FM	Frequency Modulation (FM range)
FST	Fast
GaAs	Gallium Arsenide
GBP	Gain-Bandwidth Product
GP	General Purpose Applications
Green pack.	Green package
Green proc.	Green process
HF	High Frequency
H-Free	Halogen-free
HiSAT-COT	High Speed Transient Response Control
Hi-sp	High-speed
HSST	High-Speed Soft-Start
Hst.	Hysteresis
HV	High Voltage
I2C	I2C interface control
I2S	I2S interface
ICL	Internal Current Limiter
ICP	Inrush Current Protection (Prevention)
IF-	Intermediate-frequency
Instrum.	Instrumental
Int.	Internal
I-O-Bps	Input-to-Output Bypass
Ipp	Maximal Peak Pulse Current
Latch-Pr.	Latch protection
LDO	Low drop voltage
LED	Light-emitting diode
L-Free	Lead-free
LLS	Logic Level Shifter
LN	Low Noise
LogL	Logic Level (Uth > 0,8...2V)
Lo-sat	Low collector-emitter saturation voltage
LRip	Low Ripple voltage
LSST	Low-Speed Soft-Start
Mix	Mixer
MR	Manual Reset
Nix	Nixie tube driver
OCB	Fault indication output
OCL	Output Current Limiter
ODO	Open Drain Output
OCO	Open Collector Output
OVIn	Over Voltage Reset Input (negative)
OVP	Over Voltage Protection
Osc	Oscillator
Out	Output
OV	Latched OverVoltage function
PA	Power Amplifier
PAD	Pico-Amper Diode
Pb-free	Plumb free
PCA	Pulse Current Amplitude modulation
PDR	Internal pull-down resistor
PFM	Pulse-frequency modulation
PG	Power Good
POR	Power-on-reset
Pow	Power
Prog	Programmable
PPO	Push-Pull Output
PSM	Pulse-skip modulation
PUR	Internal pull-up resistor
PWM	Pulse-width modulation
Rdt	Reset delay time
Rectif.	Rectifier
Reg.	Regulated
Res.	Resistor
Reset-Pr.	Reset protection
RF	Radio Frequency applications
Rin	Input resistance
RUN	Enable of DC/DC converter
S-band	RF band switching
SBD	Schottky Barrier Diode
SBR	Schottky Barrier Rectifier Diode
SCK	Clock Input Pin

SECTION 1
2-pin case SMD semiconductor components





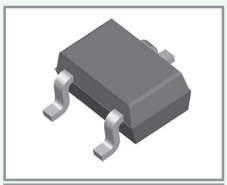
SMD code	Type	Function	Case	Style	Short description	Atr	A.d.	Pin	Mnf
*	1SS400G	Si-diode	SOD-723	1a	Sw, 80V, 100mA, Vf<1.2V(100mA), <4ns	-	-	6d	Zbs
.0	BZX584C5V6-V-G	Z-diode	SOD-523	1a	5.2..6.0V, Izt=5mA, Zzt=40Ω, 200mW	A17	-	6d	Vs
.1	BZX584C16-V-G	Z-diode	SOD-523	1a	15.3..17.1V, Izt=5mA, Zzt=40Ω, 200mW	A56	-	6d	Vs
.1	BZX584C22-V-G	Z-diode	SOD-523	1a	20.8..23.3V, Izt=5mA, Zzt=55Ω, 200mW	A58	-	6d	Vs
.1	BZX584C5V1-V-G	Z-diode	SOD-523	1a	4.8..5.4V, Izt=5mA, Zzt=60Ω, 200mW	A17	-	6d	Vs
.1	BZX584C6V2-V-G	Z-diode	SOD-523	1a	5.8..6.6V, Izt=5mA, Zzt=10Ω, 200mW	A57	-	6d	Vs
.2	BZX584C18-V-G	Z-diode	SOD-523	1a	16.8..19.1V, Izt=5mA, Zzt=45Ω, 200mW	A56	-	6d	Vs
.2	BZX584C2V4-V-G	Z-diode	SOD-523	1a	2.2..2.6V, Izt=5mA, Zzt=100Ω, 200mW	A17	-	6d	Vs
.2	BZX584C6V8-V-G	Z-diode	SOD-523	1a	6.4..7.2V, Izt=5mA, Zzt=15Ω, 200mW	A57	-	6d	Vs
.3	BZX584C2V7-V-G	Z-diode	SOD-523	1a	2.5..2.9V, Izt=5mA, Zzt=100Ω, 200mW	A17	-	6d	Vs
.3	BZX584C7V5-V-G	Z-diode	SOD-523	1a	7.0..7.9V, Izt=5mA, Zzt=15Ω, 200mW	A57	-	6d	Vs
.4	BZX584C15-V-G	Z-diode	SOD-523	1a	14.3..15.8V, Izt=5mA, Zzt=30Ω, 200mW	A57	-	6d	Vs
.4	BZX584C20-V-G	Z-diode	SOD-523	1a	18.8..21.2V, Izt=5mA, Zzt=55Ω, 200mW	A56	-	6d	Vs
.4	BZX584C3V0-V-G	Z-diode	SOD-523	1a	2.8..3.2V, Izt=5mA, Zzt=100Ω, 200mW	A17	-	6d	Vs
.5	BZX584C13-V-G	Z-diode	SOD-523	1a	12.4..14.1V, Izt=5mA, Zzt=30Ω, 200mW	A57	-	6d	Vs
.5	BZX584C24-V-G	Z-diode	SOD-523	1a	22.8..25.6V, Izt=5mA, Zzt=70Ω, 200mW	A56	-	6d	Vs
.5	BZX584C3V3-V-G	Z-diode	SOD-523	1a	3.1..3.5V, Izt=5mA, Zzt=95Ω, 200mW	A17	-	6d	Vs
.6	BZX584C3V6-V-G	Z-diode	SOD-523	1a	3.4..3.8V, Izt=5mA, Zzt=90Ω, 200mW	A17	-	6d	Vs
.7	BZX584C12-V-G	Z-diode	SOD-523	1a	11.4..12.7V, Izt=5mA, Zzt=25Ω, 200mW	A57	-	6d	Vs
.7	BZX584C27-V-G	Z-diode	SOD-523	1a	25.1..28.9V, Izt=2mA, Zzt=80Ω, 200mW	A56	-	6d	Vs
.7	BZX584C3V9-V-G	Z-diode	SOD-523	1a	3.7..4.1V, Izt=5mA, Zzt=90Ω, 200mW	A17	-	6d	Vs
.8	BZX584C4V3-V-G	Z-diode	SOD-523	1a	4.0..4.6V, Izt=5mA, Zzt=90Ω, 200mW	A17	-	6d	Vs
.9	BZX584C33-V-G	Z-diode	SOD-523	1a	31..35V, Izt=2mA, Zzt=80Ω, 200mW	A56	-	6d	Vs
.9	BZX584C4V7-V-G	Z-diode	SOD-523	1a	4.4..5.0V, Izt=5mA, Zzt=80Ω, 200mW	A17	-	6d	Vs
.C3	CZRW5223B-HF	Z-diode	SOD-123	1a	2.57..2.84V, Zzt=30Ω, Izt=20mA, 350mW	A18	-	5d	Cmc
.C5	CZRW5225B-HF	Z-diode	SOD-123	1a	2.85..3.15V, Zzt=30Ω, Izt=20mA, 350mW	A18	-	5d	Cmc
.E1	CZRW5231B-HF	Z-diode	SOD-123	1a	4.85..5.36V, Zzt=17Ω, Izt=20mA, 350mW	A18	-	5d	Cmc
.E2	CZRW5232B-HF	Z-diode	SOD-123	1a	5.32..5.88V, Zzt=11Ω, Izt=20mA, 350mW	A18	-	5d	Cmc
.E3	CZRW5233B-HF	Z-diode	SOD-123	1a	5.70..6.30V, Zzt=7Ω, Izt=20mA, 350mW	A18	-	5d	Cmc
.E4	CZRW5234B-HF	Z-diode	SOD-123	1a	5.89..6.51V, Zzt=7Ω, Izt=20mA, 350mW	A18	-	5d	Cmc
.E5	CZRW5235B-HF	Z-diode	SOD-123	1a	6.46..7.14V, Zzt=5Ω, Izt=20mA, 350mW	A18	-	5d	Cmc
.F1	CZRW5236B-HF	Z-diode	SOD-123	1a	7.13..7.88V, Zzt=6Ω, Izt=20mA, 350mW	A18	-	5d	Cmc
.F2	CZRW5237B-HF	Z-diode	SOD-123	1a	7.79..8.61V, Zzt=8Ω, Izt=20mA, 350mW	A18	-	5d	Cmc
.F3	CZRW5238B-HF	Z-diode	SOD-123	1a	8.27..9.14V, Zzt=8Ω, Izt=20mA, 350mW	A18	-	5d	Cmc
.F4	CZRW5239B-HF	Z-diode	SOD-123	1a	8.65..9.56V, Zzt=10Ω, Izt=20mA, 350mW	A18	-	5d	Cmc
.F5	CZRW5240B-HF	Z-diode	SOD-123	1a	9.50..10.50V, Zzt=17Ω, Izt=20mA, 350mW	A18	-	5d	Cmc
.G1	CZRW5226B-HF	Z-diode	SOD-123	1a	3.14..3.47V, Zzt=28Ω, Izt=20mA, 350mW	A18	-	5d	Cmc
.G2	CZRW5227B-HF	Z-diode	SOD-123	1a	3.42..3.78V, Zzt=24Ω, Izt=20mA, 350mW	A18	-	5d	Cmc
.G3	CZRW5228B-HF	Z-diode	SOD-123	1a	3.71..4.10V, Zzt=23Ω, Izt=20mA, 350mW	A18	-	5d	Cmc
.G4	CZRW5229B-HF	Z-diode	SOD-123	1a	4.09..4.52V, Zzt=22Ω, Izt=20mA, 350mW	A18	-	5d	Cmc
.G5	CZRW5230B-HF	Z-diode	SOD-123	1a	4.47..4.94V, Zzt=19Ω, Izt=20mA, 350mW	A18	-	5d	Cmc
.H1	CZRW5241B-HF	Z-diode	SOD-123	1a	10.45..11.55V, Zzt=22Ω, Izt=20mA, 350mW	A18	-	5d	Cmc
.H2	CZRW5242B-HF	Z-diode	SOD-123	1a	11.40..12.60V, Zzt=30Ω, Izt=20mA, 350mW	A18	-	5d	Cmc
.H3	CZRW5243B-HF	Z-diode	SOD-123	1a	12.35..13.65V, Zzt=13Ω, Izt=9.5mA, 350mW	A18	-	5d	Cmc
.H4	CZRW5244B-HF	Z-diode	SOD-123	1a	13.30..14.70V, Zzt=15Ω, Izt=9.0mA, 350mW	A18	-	5d	Cmc
.H5	CZRW5245B-HF	Z-diode	SOD-123	1a	14.25..15.75V, Zzt=16Ω, Izt=8.5mA, 350mW	A18	-	5d	Cmc
.J1	CZRW5246B-HF	Z-diode	SOD-123	1a	15.20..16.80V, Zzt=17Ω, Izt=7.8mA, 350mW	A18	-	5d	Cmc
.J2	CZRW5247B-HF	Z-diode	SOD-123	1a	16.15..17.85V, Zzt=19Ω, Izt=7.4mA, 350mW	A18	-	5d	Cmc
.J3	CZRW5248B-HF	Z-diode	SOD-123	1a	17.10..18.90V, Zzt=21Ω, Izt=7.0mA, 350mW	A18	-	5d	Cmc
.J5	CZRW5250B-HF	Z-diode	SOD-123	1a	19.0..21.0V, Zzt=25Ω, Izt=6.2mA, 350mW	A18	-	5d	Cmc
.K	BZX584C30-V-G	Z-diode	SOD-523	1a	28..32V, Izt=2mA, Zzt=80Ω, 200mW	A17	-	6d	Vs
.K1	CZRW5251B-HF	Z-diode	SOD-123	1a	20.90..23.10V, Zzt=29Ω, Izt=5.6mA, 350mW	A18	-	5d	Cmc
.K2	CZRW5252B-HF	Z-diode	SOD-123	1a	22.80..25.20V, Zzt=33Ω, Izt=5.2mA, 350mW	A18	-	5d	Cmc
.K4	CZRW5254B-HF	Z-diode	SOD-123	1a	25.65..28.35V, Zzt=41Ω, Izt=5mA, 350mW	A18	-	5d	Cmc
.K5	CZRW5255B-HF	Z-diode	SOD-123	1a	26.60..29.40V, Zzt=44Ω, Izt=4.5mA, 350mW	A18	-	5d	Cmc
.L	BZX584C47-V-G	Z-diode	SOD-523	1a	44..50V, Izt=2mA, Zzt=170Ω, 200mW	A17	-	6d	Vs
.M	BZX584C51-V-G	Z-diode	SOD-523	1a	48..54V, Izt=2mA, Zzt=180Ω, 200mW	A17	-	6d	Vs
.M1	CZRW5256B-HF	Z-diode	SOD-123	1a	28.50..31.50V, Zzt=49Ω, Izt=4.2mA, 350mW	A18	-	5d	Cmc
.P	BZX584C11-V-G	Z-diode	SOD-523	1a	10.4..11.6V, Izt=5mA, Zzt=20Ω, 200mW	A57	-	6d	Vs
.P	BZX584C36-V-G	Z-diode	SOD-523	1a	34..38V, Izt=2mA, Zzt=90Ω, 200mW	A56	-	6d	Vs
.R	BZX584C10-V-G	Z-diode	SOD-523	1a	9.4..10.6V, Izt=5mA, Zzt=20Ω, 200mW	A57	-	6d	Vs
.R	BZX584C39-V-G	Z-diode	SOD-523	1a	37..41V, Izt=2mA, Zzt=130Ω, 200mW	A56	-	6d	Vs
.S	BZX584C9V1-V-G	Z-diode	SOD-523	1a	8.5..9.6V, Izt=5mA, Zzt=15Ω, 200mW	A57	-	6d	Vs
.T	BZX584C8V2-V-G	Z-diode	SOD-523	1a	7.7..8.7V, Izt=5mA, Zzt=15Ω, 200mW	A58	-	6d	Vs
.U	BZX584C43-V-G	Z-diode	SOD-523	1a	40..46V, Izt=2mA, Zzt=150Ω, 200mW	A58	-	6d	Vs
_Z	MM3Z51VB	Z-diode	SOD-323FL	1a	49.98..52.02V, Zzt=169Ω, Izt=2mA, 200mW	-	-	7d	F
+5	BZX584B3V9	Z-diode	SOD-523FL	1a	3.82..3.98V, Izt=5mA, Zzt=90Ω, 200mW	-	-	7d	Tak
+5	MM5Z3V9B	Z-diode	SOD-523FL	1a	3.82..3.98V, Izt=5mA, Zzt=90Ω, 200mW	-	-	7d	Tak
<5	BZX584B75V	Z-diode	SOD-523FL	1a	73.50..76.50V, Izt=2mA, Zzt=255Ω, 200mW	-	-	7d	Tak
<5	MM5Z75VB	Z-diode	SOD-523FL	1a	73.50..76.50V, Izt=2mA, Zzt=255Ω, 200mW	-	-	7d	Tak

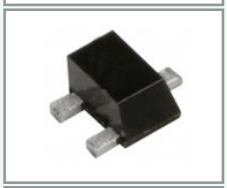
SECTION 2

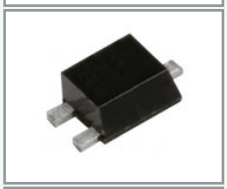
SOD-80 (MELF) case SMD semiconductor components

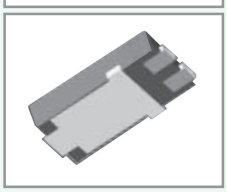
SMD code	Type	Function	Case	Style	Short description	Atr	Pin	Mnf
100V-5	MZ1.0GM100V	Z-diode	MELF	2h	94..106V, Zzt=130Ω, Izt=7mA, 1W	A76	15d	Mic
10A	GLZ10A	Z-diode	SOD-80	2c	9.12..9.59V, Zzt=8 Ω, Izt=20mA, 500mW	A78	15d	Pjt
10A	TLZ10A	Z-diode	SOD-80	2c	9.12..9.59V, Izt=20mA, Zzt=8 Ω, 500mW	A78	15d	Ttr
10A	TLZ10A	Z-diode	SOD-80	2h	9.12..9.59V, Izt=20mA, Zzt=8Ω, 500mW	A77	15d	Vs
10B	GLZ10B	Z-diode	SOD-80	2c	9.41..9.90V, Zzt=8 Ω, Izt=20mA, 500mW	A78	15d	Pjt
10B	TLZ10B	Z-diode	SOD-80	2c	9.41..9.90V, Izt=20mA, Zzt=8 Ω, 500mW	A78	15d	Ttr
10B	TLZ10B	Z-diode	SOD-80	2h	9.41..9.9V, Izt=20mA, Zzt=8Ω, 500mW	A77	15d	Vs
10B	ZMM10B	Z-diode	LL-34	2c	9.5..10.5V, Izt=5mA, 500mW	A78	15d	Lrc
10C	GLZ10C	Z-diode	SOD-80	2c	9.70..10.20V, Zzt=8 Ω, Izt=20mA, 500mW	A78	15d	Pjt
10C	TLZ10C	Z-diode	SOD-80	2c	9.70..10.20V, Izt=20mA, Zzt=8 Ω, 500mW	A78	15d	Ttr
10C	TLZ10C	Z-diode	SOD-80	2h	9.7..10.2V, Izt=20mA, Zzt=8Ω, 500mW	A77	15d	Vs
10C	ZMM10C	Z-diode	LL-34	2c	9.8..10.2V, Izt=5mA, 500mW	A78	15d	Lrc
10D	GLZ10D	Z-diode	SOD-80	2c	9.94..10.44V, Zzt=8 Ω, Izt=20mA, 500mW	A78	15d	Pjt
10D	TLZ10D	Z-diode	SOD-80	2c	9.94..10.44V, Izt=20mA, Zzt=8 Ω, 500mW	A78	15d	Ttr
10D	TLZ10D	Z-diode	SOD-80	2h	9.94..10.44V, Izt=20mA, Zzt=8Ω, 500mW	A77	15d	Vs
10D	ZMM10D	Z-diode	LL-34	2c	9.9..10.1V, Izt=5mA, 500mW	A78	15d	Lrc
10V	MZ0.5GN10V	Z-diode	SOD-80	2h	10V+-5%, Zzt=15Ω, Izt=40mA, 500mW	A77	15d	Mic
10V-20	MZO.5GN10V-20	Z-diode	SOD-80	2h	10V+-5%, Zzt=17Ω, Izt=45mA, 500mW	A76	15d	Mic
10V-25	MZ1.0PM10V-25	Z-diode	DO-213AB	2h	10V+-5%, Zzt=7.0Ω, Irm=454mA, 1W	A76	15d	Mic
10V-50	MZ1.0GM10V	Z-diode	MELF	2h	9.4..10.6V, Zzt=2Ω, Izt=74mA, 1W	A76	15d	Mic
11A	GLZ11A	Z-diode	SOD-80	2c	10.18..10.71V, Zzt=10 Ω, Izt=10mA, 500mW	A78	15d	Pjt
11A	TLZ11A	Z-diode	SOD-80	2c	10.18..10.71V, Izt=10mA, Zzt=10 Ω, 500mW	A78	15d	Ttr
11A	TLZ11A	Z-diode	SOD-80	2h	10.18..10.71V, Izt=10mA, Zzt=10Ω, 500mW	A77	15d	Vs
11B	GLZ11B	Z-diode	SOD-80	2c	10.50..11.05V, Zzt=10 Ω, Izt=10mA, 500mW	A78	15d	Pjt
11B	TLZ11B	Z-diode	SOD-80	2c	10.50..11.05V, Izt=10mA, Zzt=10 Ω, 500mW	A78	15d	Ttr
11B	TLZ11B	Z-diode	SOD-80	2h	10.5..11.05V, Izt=10mA, Zzt=10Ω, 500mW	A77	15d	Vs
11B	ZMM11B	Z-diode	LL-34	2c	10.45..11.55V, Izt=5mA, 500mW	A78	15d	Lrc
11C	GLZ11C	Z-diode	SOD-80	2c	10.82..11.38V, Zzt=10 Ω, Izt=10mA, 500mW	A78	15d	Pjt
11C	TLZ11C	Z-diode	SOD-80	2c	10.82..11.38V, Izt=10mA, Zzt=10 Ω, 500mW	A78	15d	Ttr
11C	TLZ11C	Z-diode	SOD-80	2h	10.82..11.38V, Izt=10mA, Zzt=10Ω, 500mW	A77	15d	Vs
11C	ZMM11C	Z-diode	LL-34	2c	10.78..11.22V, Izt=5mA, 500mW	A78	15d	Lrc
11D	ZMM11D	Z-diode	LL-34	2c	10.89..11.11V, Izt=5mA, 500mW	A78	15d	Lrc
11V	MZ0.5GN11V	Z-diode	SOD-80	2h	11V+-5%, Zzt=18Ω, Izt=36mA, 500mW	A77	15d	Mic
11V-20	MZO.5GN11V-20	Z-diode	SOD-80	2h	11V+-5%, Zzt=22Ω, Izt=41mA, 500mW	A76	15d	Mic
11V-23	MZ1.0PM11V-23	Z-diode	DO-213AB	2h	11V+-5%, Zzt=8.0Ω, Irm=414mA, 1W	A76	15d	Mic
11V-50	MZ1.0GM11V	Z-diode	MELF	2h	10.4..11.6V, Zzt=3Ω, Izt=66mA, 1W	A76	15d	Mic
12A	GLZ12A	Z-diode	SOD-80	2c	11.13..11.71V, Zzt=12 Ω, Izt=10mA, 500mW	A78	15d	Pjt
12A	TLZ12A	Z-diode	SOD-80	2c	11.13..11.71V, Izt=10mA, Zzt=12 Ω, 500mW	A78	15d	Ttr
12A	TLZ12A	Z-diode	SOD-80	2h	11.13..11.71V, Izt=10mA, Zzt=12Ω, 500mW	A77	15d	Vs
12B	GLZ12B	Z-diode	SOD-80	2c	11.44..12.03V, Zzt=12 Ω, Izt=10mA, 500mW	A78	15d	Pjt
12B	TLZ12B	Z-diode	SOD-80	2c	11.44..12.03V, Izt=10mA, Zzt=12 Ω, 500mW	A78	15d	Ttr
12B	TLZ12B	Z-diode	SOD-80	2h	11.44..12.03V, Izt=10mA, Zzt=12Ω, 500mW	A77	15d	Vs
12B	ZMM12B	Z-diode	LL-34	2c	11.4..12.6V, Izt=5mA, 500mW	A78	15d	Lrc
12C	GLZ12C	Z-diode	SOD-80	2c	11.74..12.35V, Zzt=12 Ω, Izt=10mA, 500mW	A78	15d	Pjt
12C	TLZ12C	Z-diode	SOD-80	2c	11.74..12.35V, Izt=10mA, Zzt=12 Ω, 500mW	A78	15d	Ttr
12C	TLZ12C	Z-diode	SOD-80	2h	11.74..12.35V, Izt=10mA, Zzt=12Ω, 500mW	A77	15d	Vs
12C	ZMM12C	Z-diode	LL-34	2c	11.76..12.24V, Izt=5mA, 500mW	A78	15d	Lrc
12D	ZMM12D	Z-diode	LL-34	2c	11.88..12.12V, Izt=5mA, 500mW	A78	15d	Lrc
12V	MZ0.5GN12V	Z-diode	SOD-80	2h	12V+-5%, Zzt=22Ω, Izt=32mA, 500mW	A77	15d	Mic
12V-20	MZO.5GN12V-20	Z-diode	SOD-80	2h	12V+-5%, Zzt=30Ω, Izt=38mA, 500mW	A76	15d	Mic
12V-21	MZ1.0PM12V-21	Z-diode	DO-213AB	2h	12V+-5%, Zzt=9.0Ω, Irm=380mA, 1W	A76	15d	Mic
12V-50	MZ1.0GM12V	Z-diode	MELF	2h	11.4..12.7V, Zzt=3Ω, Izt=60mA, 1W	A76	15d	Mic
13A	GLZ13A	Z-diode	SOD-80	2c	12.11..12.75V, Zzt=14 Ω, Izt=10mA, 500mW	A78	15d	Pjt
13A	TLZ13A	Z-diode	SOD-80	2c	12.11..12.75V, Izt=10mA, Zzt=14 Ω, 500mW	A78	15d	Ttr
13A	TLZ13A	Z-diode	SOD-80	2h	12.11..12.75V, Izt=10mA, Zzt=14Ω, 500mW	A77	15d	Vs
13B	GLZ13B	Z-diode	SOD-80	2c	12.55..13.21V, Zzt=14 Ω, Izt=10mA, 500mW	A78	15d	Pjt
13B	TLZ13B	Z-diode	SOD-80	2c	12.55..13.21V, Izt=10mA, Zzt=14 Ω, 500mW	A78	15d	Ttr
13B	TLZ13B	Z-diode	SOD-80	2h	12.55..13.21V, Izt=10mA, Zzt=14Ω, 500mW	A77	15d	Vs
13B	ZMM13B	Z-diode	LL-34	2c	12.35..13.65V, Izt=5mA, 500mW	A78	15d	Lrc
13C	GLZ13C	Z-diode	SOD-80	2c	12.99..13.66V, Zzt=14 Ω, Izt=10mA, 500mW	A78	15d	Pjt
13C	TLZ13C	Z-diode	SOD-80	2c	12.99..13.66V, Izt=10mA, Zzt=14 Ω, 500mW	A78	15d	Ttr
13C	TLZ13C	Z-diode	SOD-80	2h	12.99..13.66V, Izt=10mA, Zzt=14Ω, 500mW	A77	15d	Vs
13C	ZMM13C	Z-diode	LL-34	2c	12.74..13.26V, Izt=5mA, 500mW	A78	15d	Lrc
13D	ZMM13D	Z-diode	LL-34	2c	12.87..13.13V, Izt=5mA, 500mW	A78	15d	Lrc
13V	MZ0.5GN13V	Z-diode	SOD-80	2h	13V+-5%, Zzt=25Ω, Izt=29mA, 500mW	A77	15d	Mic
13V-19	MZ1.0PM13V-19	Z-diode	DO-213AB	2h	13V+-5%, Zzt=10.0Ω, Irm=344mA, 1W	A76	15d	Mic
13V-50	MZ1.0GM13V	Z-diode	MELF	2h	12.4..14.1V, Zzt=4Ω, Izt=55mA, 1W	A76	15d	Mic
13V-9.5	MZO.5GN13V-9.5	Z-diode	SOD-80	2h	13V+-5%, Zzt=13Ω, Izt=35mA, 500mW	A76	15d	Mic
14V-9.0	MZO.5GN14V-9.0	Z-diode	SOD-80	2h	14V+-5%, Zzt=15Ω, Izt=32mA, 500mW	A76	15d	Mic
15	RKZ15-1KD	Z-diode	LLD	2g	14.1..14.7V, Izt=5mA, Zzt=40 Ω, 500mW	A53	15d	Ren

SECTION 3
3-pin case SMD semiconductor components





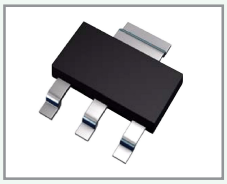




SMD code	Type	Function	Case	Style	Short description	Atr	A.d.	Pin	Sch	Mnf
-	ELM7548CEB	Vdet-IC	SC-70	3d	4.8V±2%, +Reset PPO	B23a	23	16vdb	VD7	Elm
-	ELM7548NEB	Vdet-IC	SC-70	3d	4.8V±2%, +Reset ODO	B23a	06	16vdb	VD6	Elm
#	ELM7541CEB	Vdet-IC	SC-70	3d	4.1V±2%, +Reset PPO	B23a	23	16vdb	VD7	Elm
#	ELM7541NEB	Vdet-IC	SC-70	3d	4.1V±2%, +Reset ODO	B23a	06	16vdb	VD6	Elm
*	ELM7546CEB	Vdet-IC	SC-70	3d	4.6V±2%, +Reset PPO	B23a	23	16vdb	VD7	Elm
*	ELM7546NEB	Vdet-IC	SC-70	3d	4.6V±2%, +Reset ODO	B23a	06	16vdb	VD6	Elm
*	ELM7547NEB	Vdet-IC	SC-70	3d	4.7V±2%, +Reset ODO	B23a	06	16vdb	VD6	Elm
.038	MC1038	n-MOSFET	SC-89-3	3a	GP, 20V, 750mA, 300mW, 0.24Ω(600mA), 3.8/252us	-	-	16fh	-	Mep
/	ELM7554CEB	Vdet-IC	SC-70	3d	5.4V±2%, +Reset PPO	B23a	23	16vdb	VD7	Elm
/	ELM7554NEB	Vdet-IC	SC-70	3d	5.4V±2%, +Reset ODO	B23a	06	16vdb	VD6	Elm
+	ELM7547CEB	Vdet-IC	SC-70	3d	4.7V±2%, +Reset PPO	B23a	23	16vdb	VD7	Elm
+FZVC	LM4040CEM3-5.0/V+T	Vref-IC	SOT-23	3a	uPower, Precision, Shunt, 5.00V±0.5%	-	-	16dk	RF1	Max
+P2	BFR92A	Si-npn	SOT-23	3a	UHF-A-Band, 20V, 25mA, 300mW, B>40, >5GHz	-	-	16ta	-	Vs
+P5	BFR92AR	Si-npn	SOT-23	3a	UHF-A-Band, 20V, 25mA, 300mW, B>40, >5GHz	-	-	16te	-	Vs
+R2	BFR93A	Si-npn	SOT-23	3a	UHF-A-Band, 15V, 30mA, 300mW, B>40, >5GHz	-	-	16ta	-	Sil
+R5	BFR93AR	Si-npn	SOT-23	3a	UHF-A-Band, 15V, 30mA, 300mW, B>40, >5GHz	-	-	16te	-	Sil
<	ELM7553CEB	Vdet-IC	SC-70	3d	5.3V±2%, +Reset PPO	B23a	23	16vdb	VD7	Elm
<	ELM7553NEB	Vdet-IC	SC-70	3d	5.3V±2%, +Reset ODO	B23a	06	16vdb	VD6	Elm
=	ELM7544CEB	Vdet-IC	SC-70	3d	4.4V±2%, +Reset PPO	B23a	23	16vdb	VD7	Elm
=	ELM7544NEB	Vdet-IC	SC-70	3d	4.4V±2%, +Reset ODO	B23a	06	16vdb	VD6	Elm
>	ELM7549CEB	Vdet-IC	SC-70	3d	4.9V±2%, +Reset PPO	B23a	23	16vdb	VD7	Elm
>	ELM7549NEB	Vdet-IC	SC-70	3d	4.9V±2%, +Reset ODO	B23a	06	16vdb	VD6	Elm
0	AX6904IA	Vdet-IC	SC-70-3L	3be	4.25V±1.5%, +Reset PPO	-	27	16vdb	VD7	Axl
0.	ELM7552CEB	Vdet-IC	SC-70	3d	5.2V±2%, +Reset PPO	B23a	23	16vdb	VD7	Elm
0.	ELM7552NEB	Vdet-IC	SC-70	3d	5.2V±2%, +Reset ODO	B23a	06	16vdb	VD6	Elm
00	AP8822C-40GA	Vdet-IC	SOT-23	3ba	4.0V±2%, -Reset PPO, Rdt=200ms, H-free	B05e	-	16vdc	VD7	Anw
00	AP8822C-40GT	Vdet-IC	SC-70	3ba	4.0V±2%, -Reset PPO, Rdt=200ms, H-free	B05e	-	16vdc	VD7	Anw
00	AP8822C-40PA	Vdet-IC	SOT-23	3ba	4.0V±2%, -Reset PPO, Rdt=200ms	B05	-	16vdc	VD7	Anw
00	AP8822C-40PT	Vdet-IC	SC-70	3ba	4.0V±2%, -Reset PPO, Rdt=200ms	B05	-	16vdc	VD7	Anw
00	EC95810C40B1N	Vdet-IC	SOT-23-3L	3dd	4.0V±2%, -Reset PPO, Rdt=200ms	B38	24	16vdc	VD7	Ecm
00	EC95810C40C1N	Vdet-IC	SC-70-3L	3dd	4.0V±2%, -Reset PPO, Rdt=200ms	B38	24	16vdc	VD7	Ecm
00	ELM7510CBB	Vdet-IC	SOT-23	3d	1.0V±2%, +Reset PPO	B23	23	16vdb	VD7	Elm
00	ELM7510NBB	Vdet-IC	SOT-23	3d	1.0V±2%, +Reset ODO	B23	06	16vdb	VD6	Elm
00	ST7400	n-MOSFET	SOT-323	3bc	Sw, 30V, 2.8A, 1.25W, 77 mΩ(2.8A), 2.5/20ns	-	-	16fh	-	Sta
005	SSTPAD5	Si-diode	SOT-23	3a	Dual, Low-leakage, 10mA, 350mW, Vf<1.5V(5mA), Ir=5pA, 2pF	-	-	16fj	-	Six
01	AP8822C-41GA	Vdet-IC	SOT-23	3ba	4.1V±2%, -Reset PPO, Rdt=200ms, H-free	B05e	-	16vdc	VD7	Anw
01	AP8822C-41GT	Vdet-IC	SC-70	3ba	4.1V±2%, -Reset PPO, Rdt=200ms, H-free	B05e	-	16vdc	VD7	Anw
01	AP8822C-41PA	Vdet-IC	SOT-23	3ba	4.1V±2%, -Reset PPO, Rdt=200ms	B05	-	16vdc	VD7	Anw
01	AP8822C-41PT	Vdet-IC	SC-70	3ba	4.1V±2%, -Reset PPO, Rdt=200ms	B05	-	16vdc	VD7	Anw
01	EC95810C41B1N	Vdet-IC	SOT-23-3L	3dd	4.1V±2%, -Reset PPO, Rdt=200ms	B38	24	16vdc	VD7	Ecm
01	EC95810C41C1N	Vdet-IC	SC-70-3L	3dd	4.1V±2%, -Reset PPO, Rdt=200ms	B38	24	16vdc	VD7	Ecm
01	ELM7511CBB	Vdet-IC	SOT-23	3d	1.1V±2%, +Reset PPO	B23	23	16vdb	VD7	Elm
01	ELM7511NBB	Vdet-IC	SOT-23	3d	1.1V±2%, +Reset ODO	B23	06	16vdb	VD6	Elm
01	PDTA143EE	Si-pnp-Digi	SOT-416	3a	Sw, 50V, 100mA, 150mW, R1/R2=4.7k/4.7k	-	-	16ta	-	Nxp
01	PDTA143EK	Si-pnp-Digi	SC-59	3f	Sw, 50V, 100mA, 250mW, R1/R2=4.7k/4.7k	B43	-	16ta	-	Nxp
010	SO918R	Si-npn	SOT-23	3a	VHF/UHF, 15V, 50mA, B>20, 600MHz	-	-	16te	-	Ste
010	SSTPAD10	Si-diode	SOT-23	3a	Dual, Low-leakage, 10mA, 350mW, Vf<1.5V(5mA), Ir=10pA, 2pF	-	-	16fj	-	Six
01A	APR3001-15A	Vdet-IC	SOT-23	3b	1.5V±1.5%, -Reset PPO	-	-	16vdb	VD7	Anp
01A	RA101C	Si-pnp-Digi	SOT-23	3a	Sw, 50V, 100mA, 200mW, 250MHz, R1/R2=47k/47k	-	-	16ta	-	San
01B	APR3001-17A	Vdet-IC	SOT-23	3b	1.75V±1.5%, -Reset PPO	-	-	16vdb	VD7	Anp
01C	APR3001-23A	Vdet-IC	SOT-23	3b	2.32V±1.5%, -Reset PPO	-	-	16vdb	VD7	Anp
01C	RC101C	Si-npn-Digi	SOT-23	3a	Sw, 50V, 100mA, 200mW, 250MHz, R1/R2=47k/47k	-	-	16ta	-	San
01D	APR3001-26A	Vdet-IC	SOT-23	3b	2.63V±1.5%, -Reset PPO	-	-	16vdb	VD7	Anp
01E	APR3001-29A	Vdet-IC	SOT-23	3b	2.93V±1.5%, -Reset PPO	-	-	16vdb	VD7	Anp
01F	APR3001-30A	Vdet-IC	SOT-23	3b	3.08V±1.5%, -Reset PPO	-	-	16vdb	VD7	Anp
01G	APR3001-39A	Vdet-IC	SOT-23	3b	3.9V±1.5%, -Reset PPO	-	-	16vdb	VD7	Anp
01H	APR3001-43A	Vdet-IC	SOT-23	3b	4.38V±1.5%, -Reset PPO	-	-	16vdb	VD7	Anp
01J	APR3001-46A	Vdet-IC	SOT-23	3b	4.63V±1.5%, -Reset PPO	-	-	16vdb	VD7	Anp
02	2N7002	n-MOSFET	SOT-23	3ba	TMOS, 60V, 115mA, 225mW, <7.5Ω(500mA), 20/40ns	B19	37	16fh	-	Frm
02	2N7002	n-MOSFET	SOT-23	3ba	TMOS, 60V, 115mA, 225mW, <7.5Ω(500mA), 20/40ns	B19b	37	16fh	-	Sec
02	2N7002	n-MOSFET	SOT-23	3ba	TMOS, 60V, 115mA, 225mW, <7.5Ω(500mA), 20/40ns, H-free	B19a	37	16fh	-	Frm
02	AP8822C-42GA	Vdet-IC	SOT-23	3ba	4.2V±2%, -Reset PPO, Rdt=200ms, H-free	B05e	-	16vdc	VD7	Anw
02	AP8822C-42GT	Vdet-IC	SC-70	3ba	4.2V±2%, -Reset PPO, Rdt=200ms, H-free	B05e	-	16vdc	VD7	Anw
02	AP8822C-42PA	Vdet-IC	SOT-23	3ba	4.2V±2%, -Reset PPO, Rdt=200ms	B05	-	16vdc	VD7	Anw
02	AP8822C-42PT	Vdet-IC	SC-70	3ba	4.2V±2%, -Reset PPO, Rdt=200ms	B05	-	16vdc	VD7	Anw
02	BSX39	Si-npn	SOT-23	3a	Sw, Driver, 45V, 0.2A, <12/18ns	-	-	16te	-	Mot
02	EC95810C42B1N	Vdet-IC	SOT-23-3L	3dd	4.2V±2%, -Reset PPO, Rdt=200ms	B38	24	16vdc	VD7	Ecm
02	EC95810C42C1N	Vdet-IC	SC-70-3L	3dd	4.2V±2%, -Reset PPO, Rdt=200ms	B38	24	16vdc	VD7	Ecm
02	ELM7512CBB	Vdet-IC	SOT-23	3d	1.2V±2%, +Reset PPO	B23	23	16vdb	VD7	Elm
02	ELM7512NBB	Vdet-IC	SOT-23	3d	1.2V±2%, +Reset ODO	B23	06	16vdb	VD6	Elm

SECTION 4

SOT-223 case SMD semiconductor components



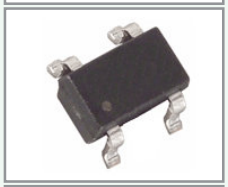
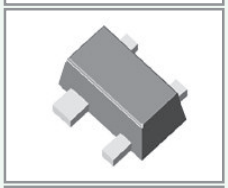
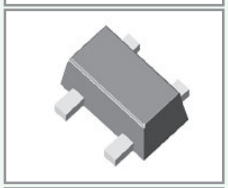
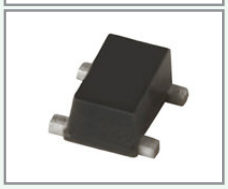
SMD code	Type	Function	Case	Style	Short description	Atr	A.d.	Pin	Sch	Mnf
01N60C3	SPN01N60C3	n-MOSFET	SOT-223	4k	HV, LogL, 650V, 300mA, 1.8W, 5.5 Ω(500mA), 45/60ns	-	-	21f2	-	Inf
02N60C3	SPN02N60C3	n-MOSFET	SOT-223	4k	HV, LogL, 600V, 400mA, 1.8W, 2.0 Ω(1.1A), 6/68ns	-	-	21f2	-	Inf
02N60S5	SPN02N60S5	n-MOSFET	SOT-223	4k	HV, LogL, 600V, 400mA, 1.8W, 2.5 Ω(1.1A), 30/110ns	-	-	21f2	-	Inf
03N60C3	SPN03N60C3	n-MOSFET	SOT-223	4k	HV, LogL, 650V, 700mA, 1.8W, 1.2 Ω(2A), 7/64ns	-	-	21f2	-	Inf
03N60S5	SPN03N60S5	n-MOSFET	SOT-223	4k	HV, LogL, 600V, 700mA, 1.8W, 1.2 Ω(2A), 35/120ns	-	-	21f2	-	Inf
0410	SSM0410	n-MOSFET	SOT-223	4rb	Sw, 100V, 3.5A, 2.7W, Rds=220mΩ(2.6A), 9/26.8ns	-	-	21fi	-	Sec
04N60S5	SPN04N60S5	n-MOSFET	SOT-223	4k	HV, LogL, 600V, 800mA, 1.8W, 0.8 Ω(2.8A), 40/130ns	-	-	21f2	-	Inf
103MN	Z0103MN	Triac	SOT-223	4s	600V, 1A, 1W, Vtm<1.56V, <Igt>3mA	-	-	21hz	-	Ons
107MN	Z0107MN	Triac	SOT-223	4s	600V, 1A, 1W, Vtm<1.56V, Igt>5mA	-	-	21hz	-	Ons
109MN	Z0109MN	Triac	SOT-223	4s	600V, 1A, 1W, Vtm<1.56V, Igt>10mA	-	-	21hz	-	Ons
1116	GL1116	LVR-IC	SOT-223	4qd	LDO, Adj. 1.25..5V±2%, 600mA	-	57	21cn	VR20	Gtm
1116	SL1116VADJ	LVR-IC	SOT-223	4rb	LDO, Adjµstable 1.25..13.8V, 600mA	-	-	21cn	VR20	Sec
111615	GL1116-15	LVR-IC	SOT-223	4qd	LDO, 1.5V±2%, 600mA	-	57	21cg	VR1	Gtm
111615	SL1116-1.5V	LVR-IC	SOT-223	4rb	LDO, 1.5V±1%, 600mA	-	-	21cg	VR1	Sec
111618	GL1116-18	LVR-IC	SOT-223	4qd	LDO, 1.8V±2%, 600mA	-	57	21cg	VR1	Gtm
111618	SL1116-1.8V	LVR-IC	SOT-223	4rb	LDO, 1.8V±1%, 600mA	-	-	21cg	VR1	Sec
111625	GL1116-25	LVR-IC	SOT-223	4qd	LDO, 2.5V±2%, 600mA	-	57	21cg	VR1	Gtm
111625	SL1116-2.5V	LVR-IC	SOT-223	4rb	LDO, 2.5V±1%, 600mA	-	-	21cg	VR1	Sec
111633	GL1116-33	LVR-IC	SOT-223	4qd	LDO, 3.3V±2%, 600mA	-	57	21cg	VR1	Gtm
111633	SL1116-3.3V	LVR-IC	SOT-223	4rb	LDO, 3.3V±1%V	-	-	21cg	VR1	Sec
111650	GL1116-50	LVR-IC	SOT-223	4qd	LDO, 5.0V±2%, 600mA	-	57	21cg	VR1	Gtm
111650	SL1116-5.0V	LVR-IC	SOT-223	4rb	LDO, 5.0V±1%, 600mA	-	-	21cg	VR1	Sec
1117	GL1117	LVR-IC	SOT-223	4qd	LDO, Adj. 1.25..5V±2%, 1A	-	57	21cn	VR20	Gtm
1117	LT1117CST	LVR-IC	SOT-223	4r	LDO, Adjµstable 1.5..15V, 800mA	-	-	21wc	VR20	Ltc
111715	GL1117-15	LVR-IC	SOT-223	4qd	LDO, 1.5V±2%, 1A	-	57	21cg	VR1	Gtm
111718	GL1117-18	LVR-IC	SOT-223	4qd	LDO, 1.8V±2%, 1A	-	57	21cg	VR1	Gtm
11172	LT1117CST-2.85	LVR-IC	SOT-223	4r	LDO, 2.85V±1%V, 800mA	-	-	21wb	VR1	Ltc
111725	GL1117-25	LVR-IC	SOT-223	4qd	LDO, 2.5V±2%, 1A	-	57	21cg	VR1	Gtm
11173	LT1117CST-3.3	LVR-IC	SOT-223	4r	LDO, 3.3V±1%, 800mA	-	-	21wb	VR1	Ltc
111733	GL1117-33	LVR-IC	SOT-223	4qd	LDO, 3.3V±2%, 1A	-	57	21cg	VR1	Gtm
11175	LT1117CST-5	LVR-IC	SOT-223	4r	LDO, 5.0V±1%, 800mA	-	-	21wb	VR1	Ltc
111750	GL1117-50	LVR-IC	SOT-223	4qd	LDO, 5.0V±2%, 1A	-	57	21cg	VR1	Gtm
1117C1.2	LM1117S-1.2V	LVR-IC	SOT-223	4r	LDO, 1.2V±1%, 1A	-	-	21cg	VR1	Htc
1117C1.5	LM1117S-1.5V	LVR-IC	SOT-223	4r	LDO, 1.5V±1%, 1A	-	-	21cg	VR1	Htc
1117C1.8	LM1117S-1.8V	LVR-IC	SOT-223	4r	LDO, 1.8V±1%, 1A	-	-	21cg	VR1	Htc
1117C2.5	LM1117S-2.5V	LVR-IC	SOT-223	4r	LDO, 2.5V±1%, 1A	-	-	21cg	VR1	Htc
1117C2.85	LM1117S-2.85V	LVR-IC	SOT-223	4r	LDO, 2.85V±1%, 1A	-	-	21cg	VR1	Htc
1117C3.3	LM1117S-3.3V	LVR-IC	SOT-223	4r	LDO, 3.3V±1%, 1A	-	-	21cg	VR1	Htc
1117C5.0	LM1117S-5.0V	LVR-IC	SOT-223	4r	LDO, 5.0V±1%, 1A	-	-	21cg	VR1	Htc
1117CADJ	LM1117S-ADJ	LVR-IC	SOT-223	4r	LDO, Adjµstable 1.25..13.8V, 1A	-	-	21cn	VR20	Htc
1117GC1.2	LM1117GS-1.2V	LVR-IC	SOT-223	4r	LDO, 1.2V±1%, 1A	-	-	21cg	VR1	Htc
1117GC1.5	LM1117GS-1.5V	LVR-IC	SOT-223	4r	LDO, 1.5V±1%, 1A	-	-	21cg	VR1	Htc
1117GC1.8	LM1117GS-1.8V	LVR-IC	SOT-223	4r	LDO, 1.8V±1%, 1A	-	-	21cg	VR1	Htc
1117GC2.5	LM1117GS-2.5V	LVR-IC	SOT-223	4r	LDO, 2.5V±1%, 1A	-	-	21cg	VR1	Htc
1117GC2.85	LM1117GS-2.85V	LVR-IC	SOT-223	4r	LDO, 2.85V±1%, 1A	-	-	21cg	VR1	Htc
1117GC3.3	LM1117GS-3.3V	LVR-IC	SOT-223	4r	LDO, 3.3V±1%, 1A	-	-	21cg	VR1	Htc
1117GC5.0	LM1117GS-5.0V	LVR-IC	SOT-223	4r	LDO, 5.0V±1%, 1A	-	-	21cg	VR1	Htc
1117GCADJ	LM1117GS-ADJ	LVR-IC	SOT-223	4r	LDO, Adjµstable 1.25..13.8V, 1A	-	-	21cn	VR20	Htc
1117Q1.2	LM1117QS-1.2V	LVR-IC	SOT-223	4r	LDO, 1.2V±1%, 1A	-	-	21cg	VR1	Htc
1117Q1.5	LM1117QS-1.5V	LVR-IC	SOT-223	4r	LDO, 1.5V±1%, 1A	-	-	21cg	VR1	Htc
1117Q1.8	LM1117QS-1.8V	LVR-IC	SOT-223	4r	LDO, 1.8V±1%, 1A	-	-	21cg	VR1	Htc
1117Q2.5	LM1117QS-2.5V	LVR-IC	SOT-223	4r	LDO, 2.5V±1%, 1A	-	-	21cg	VR1	Htc
1117Q2.85	LM1117QS-2.85V	LVR-IC	SOT-223	4r	LDO, 2.85V±1%, 1A	-	-	21cg	VR1	Htc
1117Q3.3	LM1117QS-3.3V	LVR-IC	SOT-223	4r	LDO, 3.3V±1%, 1A	-	-	21cg	VR1	Htc
1117Q5.0	LM1117QS-5.0V	LVR-IC	SOT-223	4r	LDO, 5.0V±1%, 1A	-	-	21cg	VR1	Htc
1117QADJ	LM1117QS-ADJ	LVR-IC	SOT-223	4r	LDO, Adjµstable 1.25..13.8V, 1A	-	-	21cn	VR20	Htc
1118	GL1118	LVR-IC	SOT-223	4qd	LDO, Adj. 1.25..5V±2%, 800mA	-	57	21cn	VR20	Gtm
1118	SL1118ADJ	LVR-IC	SOT-223	4rb	LDO, Adjµstable 0.8..5.0V±2%, 800mA	-	-	21cn	VR20	Sec
111815	GL1118-15	LVR-IC	SOT-223	4qd	LDO, 1.5V±2%, 800mA	-	57	21cg	VR1	Gtm
111815	SL1118-1.5	LVR-IC	SOT-223	4rb	LDO, 1.5V±2%, 800mA	-	-	21cg	VR1	Sec
111818	GL1118-18	LVR-IC	SOT-223	4qd	LDO, 1.8V±2%, 800mA	-	57	21cg	VR1	Gtm
111818	SL1118-1.8	LVR-IC	SOT-223	4rb	LDO, 1.8V±2%, 800mA	-	-	21cg	VR1	Sec
111825	GL1118-25	LVR-IC	SOT-223	4qd	LDO, 2.5V±2%, 800mA	-	57	21cg	VR1	Gtm
111825	SL1118-2.5	LVR-IC	SOT-223	4rb	LDO, 2.5V±2%, 800mA	-	-	21cg	VR1	Sec
111833	GL1118-33	LVR-IC	SOT-223	4qd	LDO, 3.3V±2%, 800mA	-	57	21cg	VR1	Gtm
111833	SL1118-3.3	LVR-IC	SOT-223	4rb	LDO, 3.3V±2%, 800mA	-	-	21cg	VR1	Sec
111850	GL1118-50	LVR-IC	SOT-223	4qd	LDO, 5.0V±2%, 800mA	-	57	21cg	VR1	Gtm
111850	SL1118-5.0	LVR-IC	SOT-223	4rb	LDO, 5.0V±2%, 800mA	-	-	21cg	VR1	Sec
112113	LT1121CST-3.3	LVR-IC	SOT-223	4rc	LDO, 3.3V±2%, 200mA	-	-	21eu	VR1	Ltc
112115	LT1121CST-5	LVR-IC	SOT-223	4rc	LDO, 5.0V±2%, 200mA	-	-	21eu	VR1	Ltc

SECTION 5

SOT-89 case SMD semiconductor components

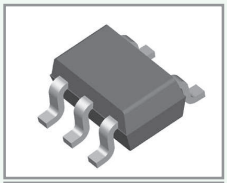
SMD code	Type	Function	Case	Style	Short description	Atr	A.d.	Pin	Sch	Mnf
000	ELM85101A	LVR-IC	SOT-89	4c	LDO, 1.0V±2%, 800mA	-	-	20vl	VR1	Elm
008	ELM85081A	LVR-IC	SOT-89	4c	LDO, 0.8V±2%, 800mA	-	-	20vl	VR1	Elm
009	ELM85091A	LVR-IC	SOT-89	4c	LDO, 0.9±2%, 800mA	-	-	20vl	VR1	Elm
00A	ELM85111A	LVR-IC	SOT-89	4c	LDO, 1.1V±2%, 800mA	-	-	20vl	VR1	Elm
00B	ELM85121A	LVR-IC	SOT-89	4c	LDO, 1.2V±2%, 800mA	-	-	20vl	VR1	Elm
00B	ELM85121A	LVR-IC	SOT-89	4ca	LDO, 1.2V±2%, 600mA	-	20	20vl	VR1	Elm
00C	ELM85131A	LVR-IC	SOT-89	4c	LDO, 1.3V±2%, 800mA	-	-	20vl	VR1	Elm
00C	ELM85131A	LVR-IC	SOT-89	4ca	LDO, 1.3V±2%, 600mA	-	20	20vl	VR1	Elm
00D	ELM85141A	LVR-IC	SOT-89	4c	LDO, 1.4V±2%, 800mA	-	-	20vl	VR1	Elm
00D	ELM85141A	LVR-IC	SOT-89	4ca	LDO, 1.4V±2%, 600mA	-	20	20vl	VR1	Elm
00E	ELM85151A	LVR-IC	SOT-89	4c	LDO, 1.5V±2%, 800mA	-	-	20vl	VR1	Elm
00E	ELM85151A	LVR-IC	SOT-89	4ca	LDO, 1.5V±2%, 600mA	-	20	20vl	VR1	Elm
00E	ELM85261A	LVR-IC	SOT-89	4ca	LDO, 2.6V±2%, 600mA	-	20	20vl	VR1	Elm
00F	ELM85161A	LVR-IC	SOT-89	4c	LDO, 1.6V±2%, 800mA	-	-	20vl	VR1	Elm
00F	ELM85161A	LVR-IC	SOT-89	4ca	LDO, 1.6V±2%, 600mA	-	20	20vl	VR1	Elm
00G	ELM85171A	LVR-IC	SOT-89	4c	LDO, 1.7V±2%, 800mA	-	-	20vl	VR1	Elm
00G	ELM85171A	LVR-IC	SOT-89	4ca	LDO, 1.7V±2%, 600mA	-	20	20vl	VR1	Elm
00H	ELM85181A	LVR-IC	SOT-89	4c	LDO, 1.8V±2%, 800mA	-	-	20vl	VR1	Elm
00H	ELM85181A	LVR-IC	SOT-89	4ca	LDO, 1.8V±2%, 600mA	-	20	20vl	VR1	Elm
00J	ELM85191A	LVR-IC	SOT-89	4c	LDO, 1.9V±2%, 800mA	-	-	20vl	VR1	Elm
00J	ELM85191A	LVR-IC	SOT-89	4ca	LDO, 1.9V±2%, 600mA	-	20	20vl	VR1	Elm
00K	ELM85201A	LVR-IC	SOT-89	4c	LDO, 2.0V±2%, 800mA	-	-	20vl	VR1	Elm
00K	ELM85201A	LVR-IC	SOT-89	4ca	LDO, 2.0V±2%, 600mA	-	20	20vl	VR1	Elm
00L	ELM85211A	LVR-IC	SOT-89	4c	LDO, 2.1V±2%, 800mA	-	-	20vl	VR1	Elm
00L	ELM85211A	LVR-IC	SOT-89	4ca	LDO, 2.1V±2%, 600mA	-	20	20vl	VR1	Elm
00M	ELM85221A	LVR-IC	SOT-89	4c	LDO, 2.2V±2%, 800mA	-	-	20vl	VR1	Elm
00M	ELM85221A	LVR-IC	SOT-89	4ca	LDO, 2.2V±2%, 600mA	-	20	20vl	VR1	Elm
00N	ELM85231A	LVR-IC	SOT-89	4c	LDO, 2.3V±2%, 800mA	-	-	20vl	VR1	Elm
00N	ELM85231A	LVR-IC	SOT-89	4ca	LDO, 2.3V±2%, 600mA	-	20	20vl	VR1	Elm
00P	ELM85241A	LVR-IC	SOT-89	4c	LDO, 2.4V±2%, 800mA	-	-	20vl	VR1	Elm
00P	ELM85241A	LVR-IC	SOT-89	4ca	LDO, 2.4V±2%, 600mA	-	20	20vl	VR1	Elm
00Q	ELM85251A	LVR-IC	SOT-89	4c	LDO, 2.5V±2%, 800mA	-	-	20vl	VR1	Elm
00Q	ELM85251A	LVR-IC	SOT-89	4ca	LDO, 2.5V±2%, 600mA	-	20	20vl	VR1	Elm
00R	ELM85261A	LVR-IC	SOT-89	4c	LDO, 2.6V±2%, 800mA	-	-	20vl	VR1	Elm
00S	ELM85271A	LVR-IC	SOT-89	4c	LDO, 2.7V±2%, 800mA	-	-	20vl	VR1	Elm
00S	ELM85271A	LVR-IC	SOT-89	4ca	LDO, 2.7V±2%, 600mA	-	20	20vl	VR1	Elm
00T	ELM85281A	LVR-IC	SOT-89	4c	LDO, 2.8V±2%, 800mA	-	-	20vl	VR1	Elm
00T	ELM85281A	LVR-IC	SOT-89	4ca	LDO, 2.8V±2%, 600mA	-	20	20vl	VR1	Elm
00U	ELM85291A	LVR-IC	SOT-89	4c	LDO, 2.9V±2%, 800mA	-	-	20vl	VR1	Elm
00U	ELM85291A	LVR-IC	SOT-89	4ca	LDO, 2.9V±2%, 600mA	-	20	20vl	VR1	Elm
00V	ELM85301A	LVR-IC	SOT-89	4c	LDO, 3.0V±2%, 800mA	-	-	20vl	VR1	Elm
00V	ELM85301A	LVR-IC	SOT-89	4ca	LDO, 3.0V±2%, 600mA	-	20	20vl	VR1	Elm
01	Gali-1	MMIC	SOT-89	4b	RF amplifier, DC..8GHz, 11dB (50 Ω)	-	-	20aa	A1	Mc
010	ELM85401A	LVR-IC	SOT-89	4c	LDO, 4.0V±2%, 800mA	-	-	20vl	VR1	Elm
010	ELM85401A	LVR-IC	SOT-89	4ca	LDO, 4.0V±2%, 800mA	-	20	20vl	VR1	Elm
011	ELM85311A	LVR-IC	SOT-89	4c	LDO, 3.1V±2%, 800mA	-	-	20vl	VR1	Elm
011	ELM85311A	LVR-IC	SOT-89	4ca	LDO, 3.1V±2%, 800mA	-	20	20vl	VR1	Elm
012	ELM85321A	LVR-IC	SOT-89	4c	LDO, 3.2V±2%, 800mA	-	-	20vl	VR1	Elm
012	ELM85321A	LVR-IC	SOT-89	4ca	LDO, 3.2V±2%, 800mA	-	20	20vl	VR1	Elm
013	ELM85331A	LVR-IC	SOT-89	4c	LDO, 3.3V±2%, 800mA	-	-	20vl	VR1	Elm
013	ELM85331A	LVR-IC	SOT-89	4ca	LDO, 3.3V±2%, 800mA	-	20	20vl	VR1	Elm
014	ELM85341A	LVR-IC	SOT-89	4c	LDO, 3.4V±2%, 800mA	-	-	20vl	VR1	Elm
014	ELM85341A	LVR-IC	SOT-89	4ca	LDO, 3.4V±2%, 800mA	-	20	20vl	VR1	Elm
015	ELM85351A	LVR-IC	SOT-89	4c	LDO, 3.5V±2%, 800mA	-	-	20vl	VR1	Elm
015	ELM85351A	LVR-IC	SOT-89	4ca	LDO, 3.5V±2%, 800mA	-	20	20vl	VR1	Elm
016	ELM85361A	LVR-IC	SOT-89	4c	LDO, 3.6V±2%, 800mA	-	-	20vl	VR1	Elm
016	ELM85361A	LVR-IC	SOT-89	4ca	LDO, 3.6V±2%, 800mA	-	20	20vl	VR1	Elm
017	ELM85371A	LVR-IC	SOT-89	4c	LDO, 3.7V±2%, 800mA	-	-	20vl	VR1	Elm
017	ELM85371A	LVR-IC	SOT-89	4ca	LDO, 3.7V±2%, 800mA	-	20	20vl	VR1	Elm
018	ELM85381A	LVR-IC	SOT-89	4c	LDO, 3.8V±2%, 800mA	-	-	20vl	VR1	Elm
018	ELM85381A	LVR-IC	SOT-89	4ca	LDO, 3.8V±2%, 800mA	-	20	20vl	VR1	Elm
019	ELM85391A	LVR-IC	SOT-89	4c	LDO, 3.9V±2%, 800mA	-	-	20vl	VR1	Elm
019	ELM85391A	LVR-IC	SOT-89	4ca	LDO, 3.9V±2%, 800mA	-	20	20vl	VR1	Elm
01A	ELM85411A	LVR-IC	SOT-89	4c	LDO, 4.1V±2%, 800mA	-	-	20vl	VR1	Elm
01B	ELM85421A	LVR-IC	SOT-89	4c	LDO, 4.2V±2%, 800mA	-	-	20vl	VR1	Elm
01C	ELM85431A	LVR-IC	SOT-89	4c	LDO, 4.3V±2%, 800mA	-	-	20vl	VR1	Elm
01D	ELM85441A	LVR-IC	SOT-89	4c	LDO, 4.4V±2%, 800mA	-	-	20vl	VR1	Elm
01E	ELM85451A	LVR-IC	SOT-89	4c	LDO, 4.5V±2%, 800mA	-	-	20vl	VR1	Elm
01F	ELM85461A	LVR-IC	SOT-89	4c	LDO, 4.6V±2%, 800mA	-	-	20vl	VR1	Elm
01G	ELM85471A	LVR-IC	SOT-89	4c	LDO, 4.7V±2%, 800mA	-	-	20vl	VR1	Elm

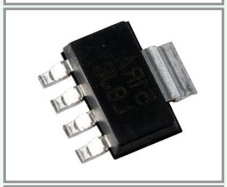
SECTION 6
4-pin case SMD semiconductor components

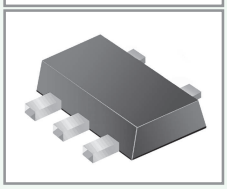






SMD code	Type	Function	Case	Style	Short description	Atr	A.d.	Pin	Sch	Mnf
-	ELM7548CCB	Vdet-IC	SC-82AB	5ca	4.8V±2%, +Reset PPO	D09	23	26vdl	VD7	Elm
-	ELM7548NCB	Vdet-IC	SC-82AB	5ca	4.8V±2%, +Reset ODO	D09	06	26vdl	VD6	Elm
#	ELM7541CCB	Vdet-IC	SC-82AB	5ca	4.1V±2%, +Reset PPO	D09	23	26vdl	VD7	Elm
#	ELM7541NCB	Vdet-IC	SC-82AB	5ca	4.1V±2%, +Reset ODO	D09	06	26vdl	VD6	Elm
%	ELM7543CCB	Vdet-IC	SC-82AB	5ca	4.3V±2%, +Reset PPO	D09	23	26vdl	VD7	Elm
%	ELM7543NCB	Vdet-IC	SC-82AB	5ca	4.3V±2%, +Reset ODO	D09	06	26vdl	VD6	Elm
%MY	BF1100	n-MOSFET	SOT-143	5h	Dual gate, VHF, UHF, 14V, 30mA, 200mW	-	-	24fd	-	Phi
%MZ	BF1100R	n-MOSFET	SOT-143R	5h	Dual gate, VHF, UHF, 14V, 30mA, 200mW	-	-	26fm	-	Phi
*	ELM7513CCB	Vdet-IC	SC-82AB	5ca	1.3V±2%,+Reset PPO	D09	23	26vdl	VD7	Elm
*	ELM7513NCB	Vdet-IC	SC-82AB	5ca	1.3V±2%, +Reset ODO	D09	06	26vdl	VD6	Elm
/	ELM7554CCB	Vdet-IC	SC-82AB	5ca	5.4V±2%, +Reset PPO	D09	23	26vdl	VD7	Elm
/	ELM7554NCB	Vdet-IC	SC-82AB	5ca	5.4V±2%, +Reset ODO	D09	06	26vdl	VD6	Elm
?	ELM7517CCB	Vdet-IC	SC-82AB	5ca	1.7V±2%,+Reset PPO	D09	23	26vdl	VD7	Elm
?	ELM7517NCB	Vdet-IC	SC-82AB	5ca	1.7V±2%, +Reset ODO	D09	06	26vdl	VD6	Elm
?	ELM7546CCB	Vdet-IC	SC-82AB	5ca	4.6V±2%, +Reset PPO	D09	23	26vdl	VD7	Elm
?	ELM7546NCB	Vdet-IC	SC-82AB	5ca	4.6V±2%, +Reset ODO	D09	06	26vdl	VD6	Elm
?	ELM7551CCB	Vdet-IC	SC-82AB	5ca	5.1V±2%, +Reset PPO	D09	23	26vdl	VD7	Elm
?	ELM7551NCB	Vdet-IC	SC-82AB	5ca	5.1V±2%, +Reset ODO	D09	06	26vdl	VD6	Elm
?	ELM7552CCB	Vdet-IC	SC-82AB	5ca	5.2V±2%, +Reset PPO	D09	23	26vdl	VD7	Elm
?	ELM7552NCB	Vdet-IC	SC-82AB	5ca	5.2V±2%, +Reset ODO	D09	06	26vdl	VD6	Elm
+	ELM7547CCB	Vdet-IC	SC-82AB	5ca	4.7V±2%, +Reset PPO	D09	23	26vdl	VD7	Elm
+	ELM7547NCB	Vdet-IC	SC-82AB	5ca	4.7V±2%, +Reset ODO	D09	06	26vdl	VD6	Elm
<	ELM7553CCB	Vdet-IC	SC-82AB	5ca	5.3V±2%, +Reset PPO	D09	23	26vdl	VD7	Elm
<	ELM7553NCB	Vdet-IC	SC-82AB	5ca	5.3V±2%, +Reset ODO	D09	06	26vdl	VD6	Elm
=	ELM7544CCB	Vdet-IC	SC-82AB	5ca	4.4V±2%, +Reset PPO	D09	23	26vdl	VD7	Elm
=	ELM7544NCB	Vdet-IC	SC-82AB	5ca	4.4V±2%, +Reset ODO	D09	06	26vdl	VD6	Elm
>	ELM7549CCB	Vdet-IC	SC-82AB	5ca	4.9V±2%, +Reset PPO	D09	23	26vdl	VD7	Elm
>	ELM7549NCB	Vdet-IC	SC-82AB	5ca	4.9V±2%, +Reset ODO	D09	06	26vdl	VD6	Elm
0	ELM7509CCB	Vdet-IC	SC-82AB	5ca	0.9V±2%,+Reset PPO	D09	23	26vdl	VD7	Elm
0	ELM7509NCB	Vdet-IC	SC-82AB	5ca	0.9V±2%, +Reset ODO	D09	06	26vdl	VD6	Elm
00	AP8822C-40GI	Vdet-IC	SC-82	5g	4.0V±2%, -Reset PPO, 200ms Rt delay, H-free	D11d	-	26vdl	VD7	Anw
00	AP8822C-40GS	Vdet-IC	SC-82S	5g	4.0V±2%, -Reset PPO, 200ms Rt delay, H-free	D11d	-	90vdl	VD7	Anw
00	AP8822C-40PI	Vdet-IC	SC-82	5g	4.0V±2%, -Reset PPO, 200ms Rt delay	D11	-	26vdl	VD7	Anw
00	AP8822C-40PS	Vdet-IC	SC-82S	5g	4.0V±2%, -Reset PPO, 200ms Rt delay	D11	-	90vdl	VD7	Anw
00	EC95810C40C7I	Vdet-IC	SC-82-4L	5p	4.0V±2%, -Reset PPO, Td=200ms	D18a	24	26vdl	VD7	Ecm
00	EC95810C40C7S	Vdet-IC	SC-82-4L	5p	4.0V±2%, -Reset PPO, Td=200ms	D18b	24	90vdl	VD7	Ecm
00	IXD5127N55ANR	Vdet-IC	SSOT-24	5k	5.5V±0.8%, -Reset ODO, -MR, 50ms Rt delay	D02	05	26cr	VD4	Ixs
00	XC6127N55ANR	Vdet-IC	SSOT-24	5k	5.5V±0.8%, -Reset ODO, -MR, Rdt=50ms	D02	05	26cr	VD4	Tor
00	XC6129C55ANR-G	Vdet-IC	SSOT-24	5a	5.5V±0.8%, -Reset PPO, Releasy Delay	D16	05	26ra	VD3a	Tor
00	XC6129N55ANR-G	Vdet-IC	SSOT-24	5a	5.5V±0.8%, -Reset ODO, Releasy Delay	D17	05	26ra	VD1a	Tor
00	XC6221C081NR	LVR-IC	SSOT-24	5m	LDO, 0.8V±20mV, 200mA, +CE, PDR	-	05	26vn	VR4	Tor
00	XC6225A12ANR-G	LVR-IC	SSOT-24	5a	LDO, 1.25V±30mV, 30mA, +CE	-	05	26vn	VR4	Tor
01	AP8822C-41GI	Vdet-IC	SC-82	5g	4.1V±2%, -Reset PPO, 200ms Rt delay, H-free	D11d	-	26vdl	VD7	Anw
01	AP8822C-41GS	Vdet-IC	SC-82S	5g	4.1V±2%, -Reset PPO, 200ms Rt delay, H-free	D11d	-	90vdl	VD7	Anw
01	AP8822C-41PI	Vdet-IC	SC-82	5g	4.1V±2%, -Reset PPO, 200ms Rt delay	D11	-	26vdl	VD7	Anw
01	AP8822C-41PS	Vdet-IC	SC-82S	5g	4.1V±2%, -Reset PPO, 200ms Rt delay	D11	-	90vdl	VD7	Anw
01	EC95810C41C7I	Vdet-IC	SC-82-4L	5p	4.1V±2%, -Reset PPO, Td=200ms	D18a	24	26vdl	VD7	Ecm
01	EC95810C41C7S	Vdet-IC	SC-82-4L	5p	4.1V±2%, -Reset PPO, Td=200ms	D18b	24	90vdl	VD7	Ecm
01	MRF9011	Si-npn	SOT-143	5c	UHF, 25V, 30mA, 300mW, B=30..200, 3.8GHz	-	-	24tc	-	Mot
01	XC6221C091NR	LVR-IC	SSOT-24	5m	LDO, 0.9V±20mV, 200mA, +CE, PDR	-	05	26vn	VR4	Tor
01	XC6225A132NR-G	LVR-IC	SSOT-24	5a	LDO, 1.3V±30mV, 30mA, +CE	-	05	26vn	VR4	Tor
02	AP8822C-42GI	Vdet-IC	SC-82	5g	4.2V±2%, -Reset PPO, 200ms Rt delay, H-free	D11d	-	26vdl	VD7	Anw
02	AP8822C-42GS	Vdet-IC	SC-82S	5g	4.2V±2%, -Reset PPO, 200ms Rt delay, H-free	D11d	-	90vdl	VD7	Anw
02	AP8822C-42PI	Vdet-IC	SC-82	5g	4.2V±2%, -Reset PPO, 200ms Rt delay	D11	-	26vdl	VD7	Anw
02	AP8822C-42PS	Vdet-IC	SC-82S	5g	4.2V±2%, -Reset PPO, 200ms Rt delay	D11	-	90vdl	VD7	Anw
02	EC95810C42C7I	Vdet-IC	SC-82-4L	5p	4.2V±2%, -Reset PPO, Td=200ms	D18a	24	26vdl	VD7	Ecm
02	EC95810C42C7S	Vdet-IC	SC-82-4L	5p	4.2V±2%, -Reset PPO, Td=200ms	D18b	24	90vdl	VD7	Ecm
02	MRF5711	Si-npn	SOT-143	5c	UHF, 20V, 80mA, 580mW, B=50..300, 8GHz	-	-	24tc	-	Mot
02	XC6221C101NR	LVR-IC	SSOT-24	5m	LDO, 1.0V±20mV, 200mA, +CE, PDR	-	05	26vn	VR4	Tor
02	XC6225A13ANR-G	LVR-IC	SSOT-24	5a	LDO, 1.35V±30mV, 30mA, +CE	-	05	26vn	VR4	Tor
03	AP8822C-43GI	Vdet-IC	SC-82	5g	4.3V±2%, -Reset PPO, 200ms Rt delay, H-free	D11d	-	26vdl	VD7	Anw
03	AP8822C-43GS	Vdet-IC	SC-82S	5g	4.3V±2%, -Reset PPO, 200ms Rt delay, H-free	D11d	-	90vdl	VD7	Anw
03	AP8822C-43PI	Vdet-IC	SC-82	5g	4.3V±2%, -Reset PPO, 200ms Rt delay	D11	-	26vdl	VD7	Anw
03	AP8822C-43PS	Vdet-IC	SC-82S	5g	4.3V±2%, -Reset PPO, 200ms Rt delay	D11	-	90vdl	VD7	Anw
03	EC95810C43C7I	Vdet-IC	SC-82-4L	5p	4.3V±2%, -Reset PPO, Td=200ms	D18a	24	26vdl	VD7	Ecm
03	EC95810C43C7S	Vdet-IC	SC-82-4L	5p	4.3V±2%, -Reset PPO, Td=200ms	D18b	24	90vdl	VD7	Ecm
03	VAM-3	MMIC	SOT-143	5c	RF amplifier, DC..2GHz, 7.5dB (50 Ω)	-	-	24aa	A1	Mc
03	XC6221C111NR	LVR-IC	SSOT-24	5m	LDO, 1.1V±20mV, 200mA, +CE, PDR	-	05	26vn	VR4	Tor
03	XC6225A142NR-G	LVR-IC	SSOT-24	5a	LDO, 1.4V±30mV, 30mA, +CE	-	05	26vn	VR4	Tor
04	AP8822C-44GI	Vdet-IC	SC-82	5g	4.4V±2%, -Reset PPO, 200ms Rt delay, H-free	D11d	-	26vdl	VD7	Anw

SECTION 7
5-pin case SMD semiconductor components

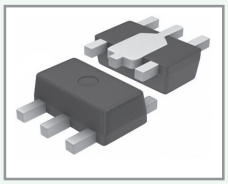






SMD code	Type	Function	Case	Style	Short description	Atr	A.d.	Pin	Sch	Mnf
-	ELM7548CCC	Vdet-IC	SC-70-5	6gb	4.8V±2%, +Reset PPO	F22	23	28h3	VD7	Elm
-	ELM7548NCC	Vdet-IC	SC-70-5	6g	4.8V±2%, +Reset ODO	F22	06	28h3	VD6	Elm
#	ELM7541CCC	Vdet-IC	SC-70-5	6gb	4.1V±2%, +Reset PPO	F22	23	28h3	VD7	Elm
#	ELM7541NCC	Vdet-IC	SC-70-5	6g	4.1V±2%, +Reset ODO	F22	06	28h3	VD6	Elm
%	ELM7543CCC	Vdet-IC	SC-70-5	6gb	4.3V±2%, +Reset PPO	F22	23	28h3	VD7	Elm
%	ELM7543NCC	Vdet-IC	SC-70-5	6g	4.3V±2%, +Reset ODO	F22	06	28h3	VD6	Elm
*	ELM7513CCC	Vdet-IC	SC-70-5	6gb	1.3V±2%, +Reset PPO	F22	23	28h3	VD7	Elm
*	ELM7513NCC	Vdet-IC	SC-70-5	6g	1.3V±2%, +Reset ODO	F22	06	28h3	VD6	Elm
/	ELM7554CCC	Vdet-IC	SC-70-5	6gb	5.4V±2%, +Reset PPO	F22	23	28h3	VD7	Elm
/	ELM7554NCC	Vdet-IC	SC-70-5	6g	5.4V±2%, +Reset ODO	F22	06	28h3	VD6	Elm
?	ELM7551CCC	Vdet-IC	SC-70-5	6gb	5.1V±2%, +Reset PPO	F22	23	28h3	VD7	Elm
?	ELM7551NCC	Vdet-IC	SC-70-5	6g	5.1V±2%, +Reset ODO	F22	06	28h3	VD6	Elm
+	ELM7547CCC	Vdet-IC	SC-70-5	6gb	4.7V±2%, +Reset PPO	F22	23	28h3	VD7	Elm
+	ELM7547NCC	Vdet-IC	SC-70-5	6g	4.7V±2%, +Reset ODO	F22	06	28h3	VD6	Elm
+ACAB	MAX999EUK-T	Comp-IC	SOT-23-5	6k	U-High Speed, Vcc=2.7..5.5V, Icco=5mA, <5ns	-	-	28opa	OP1	Max
+AFEI	MAX999AAUK+T	Comp-IC	SOT-23-5	6k	U-High Speed, Vcc=2.7..5.5V, Icco=5mA, <5ns	-	-	28opa	OP1	Max
<	ELM7553CCC	Vdet-IC	SC-70-5	6gb	5.3V±2%, +Reset PPO	F22	23	28h3	VD7	Elm
<	ELM7553NCC	Vdet-IC	SC-70-5	6g	5.3V±2%, +Reset ODO	F22	06	28h3	VD6	Elm
=	ELM7544CCC	Vdet-IC	SC-70-5	6gb	4.4V±2%, +Reset PPO	F22	23	28h3	VD7	Elm
=	ELM7544NCC	Vdet-IC	SC-70-5	6g	4.4V±2%, +Reset ODO	F22	06	28h3	VD6	Elm
>	ELM7549CCC	Vdet-IC	SC-70-5	6gb	4.9V±2%, +Reset PPO	F22	23	28h3	VD7	Elm
>	ELM7549NCC	Vdet-IC	SC-70-5	6g	4.9V±2%, +Reset ODO	F22	06	28h3	VD6	Elm
÷	ELM7517CCC	Vdet-IC	SC-70-5	6gb	1.7V±2%, +Reset PPO	F22	23	28h3	VD7	Elm
÷	ELM7517NCC	Vdet-IC	SC-70-5	6g	1.7V±2%, +Reset ODO	F22	06	28h3	VD6	Elm
▪	ELM7546CCC	Vdet-IC	SC-70-5	6gb	4.6V±2%, +Reset PPO	F22	23	28h3	VD7	Elm
▪	ELM7546NCC	Vdet-IC	SC-70-5	6g	4.6V±2%, +Reset ODO	F22	06	28h3	VD6	Elm
¥	ELM7552CCC	Vdet-IC	SC-70-5	6gb	5.2V±2%, +Reset PPO	F22	23	28h3	VD7	Elm
¥	ELM7552NCC	Vdet-IC	SC-70-5	6g	5.2V±2%, +Reset ODO	F22	06	28h3	VD6	Elm
0	ELM7509CCC	Vdet-IC	SC-70-5	6gb	0.9V±2%, +Reset PPO	F22	23	28h3	VD7	Elm
0	ELM7509NCC	Vdet-IC	SC-70-5	6g	0.9V±2%, +Reset ODO	F22	06	28h3	VD6	Elm
00	R1223N252A	DC/DC-IC	SOT-23-5	6g	PWM/VFM st-dwn, +CE, 2.5V±2%, 300kHz, Latch-prot.	-	-	28ud	DC7	Ric
00	RN5RF50BA	LVR-IC	SOT-23-5	6g	LRip, +CE, 5V±2%, 1A (ext. transistor)	-	-	28vw	VR6	Ric
00	RN5RZ50BA	LVR-IC	SOT-23-5	6g	LDO, LN, 5.0V±2%, 100mA, +CE	-	-	28vrt	VR4	Ric
000	XC6101A131MR	Vdet-IC	SOT-25	6gb	3.1V±2%, Hst, -MR, -Reset PPO, Wt=6.25ms, Rdt=3.13ms	F04	15	28cp	VD17	Tor
001	XC6101A132MR	Vdet-IC	SOT-25	6gb	3.2V±2%, Hst, -MR, -Reset PPO, Wt=6.25ms, Rdt=3.13ms	F04	15	28cp	VD17	Tor
002	XC6101A133MR	Vdet-IC	SOT-25	6gb	3.3V±2%, Hst, -MR, -Reset PPO, Wt=6.25ms, Rdt=3.13ms	F04	15	28cp	VD17	Tor
003	XC6101A134MR	Vdet-IC	SOT-25	6gb	3.4V±2%, Hst, -MR, -Reset PPO, Wt=6.25ms, Rdt=3.13ms	F04	15	28cp	VD17	Tor
004	XC6101A135MR	Vdet-IC	SOT-25	6gb	3.5V±2%, Hst, -MR, -Reset PPO, Wt=6.25ms, Rdt=3.13ms	F04	15	28cp	VD17	Tor
005	XC6101A136MR	Vdet-IC	SOT-25	6gb	3.6V±2%, Hst, -MR, -Reset PPO, Wt=6.25ms, Rdt=3.13ms	F04	15	28cp	VD17	Tor
006	XC6101A137MR	Vdet-IC	SOT-25	6gb	3.7V±2%, Hst, -MR, -Reset PPO, Wt=6.25ms, Rdt=3.13ms	F04	15	28cp	VD17	Tor
007	XC6101A138MR	Vdet-IC	SOT-25	6gb	3.8V±2%, Hst, -MR, -Reset PPO, Wt=6.25ms, Rdt=3.13ms	F04	15	28cp	VD17	Tor
008	R1160N081A	LVR-IC	SOT-23-5	6g	LDO, 0.8V±2%, 200mA, -CE, AE(Mode)	-	-	28x9	VR10	Ric
008	XC6101A139MR	Vdet-IC	SOT-25	6gb	3.9V±2%, Hst, -MR, -Reset PPO, Wt=6.25ms, Rdt=3.13ms	F04	15	28cp	VD17	Tor
009	R1160N091A	LVR-IC	SOT-23-5	6g	LDO, 0.9V±2%, 200mA, -CE, AE(Mode)	-	-	28x9	VR10	Ric
009	XC6101A140MR	Vdet-IC	SOT-25	6gb	4.0V±2%, Hst, -MR, -Reset PPO, Wt=6.25ms, Rdt=3.13ms	F04	15	28cp	VD17	Tor
00A	XC6101A141MR	Vdet-IC	SOT-25	6gb	4.1V±2%, Hst, -MR, -Reset PPO, Wt=6.25ms, Rdt=3.13ms	F04	15	28cp	VD17	Tor
00B	XC6101A142MR	Vdet-IC	SOT-25	6gb	4.2V±2%, Hst, -MR, -Reset PPO, Wt=6.25ms, Rdt=3.13ms	F04	15	28cp	VD17	Tor
00C	XC6101A143MR	Vdet-IC	SOT-25	6gb	4.3V±2%, Hst, -MR, -Reset PPO, Wt=6.25ms, Rdt=3.13ms	F04	15	28cp	VD17	Tor
00D	XC6101A144MR	Vdet-IC	SOT-25	6gb	4.4V±2%, Hst, -MR, -Reset PPO, Wt=6.25ms, Rdt=3.13ms	F04	15	28cp	VD17	Tor
00E	XC6101A145MR	Vdet-IC	SOT-25	6gb	4.5V±2%, Hst, -MR, -Reset PPO, Wt=6.25ms, Rdt=3.13ms	F04	15	28cp	VD17	Tor
00E	XC6505A151MR	LVR-IC	SOT-25	6g	LDO, 1.5V±20mV, 200mA, +CE	-	05	28cx	VR4	Tor
00F	XC6101A116MR	Vdet-IC	SOT-25	6gb	1.6V±2%, Hst, -MR, -Reset PPO, Wt=6.25ms, Rdt=3.13ms	F03	15	28cp	VD17	Tor
00F	XC6101A146MR	Vdet-IC	SOT-25	6gb	4.6V±2%, Hst, -MR, -Reset PPO, Wt=6.25ms, Rdt=3.13ms	F04	15	28cp	VD17	Tor
00F	XC6505A161MR	LVR-IC	SOT-25	6g	LDO, 1.6V±20mV, 200mA, +CE	-	05	28cx	VR4	Tor
00H	XC6101A117MR	Vdet-IC	SOT-25	6gb	1.7V±2%, Hst, -MR, -Reset PPO, Wt=6.25ms, Rdt=3.13ms	F03	15	28cp	VD17	Tor
00H	XC6101A147MR	Vdet-IC	SOT-25	6gb	4.7V±2%, Hst, -MR, -Reset PPO, Wt=6.25ms, Rdt=3.13ms	F04	15	28cp	VD17	Tor
00H	XC6505A171MR	LVR-IC	SOT-25	6g	LDO, 1.7V±20mV, 200mA, +CE	-	05	28cx	VR4	Tor
00K	XC6101A118MR	Vdet-IC	SOT-25	6gb	1.8V±2%, Hst, -MR, -Reset PPO, Wt=6.25ms, Rdt=3.13ms	F03	15	28cp	VD17	Tor
00K	XC6101A148MR	Vdet-IC	SOT-25	6gb	4.8V±2%, Hst, -MR, -Reset PPO, Wt=6.25ms, Rdt=3.13ms	F04	15	28cp	VD17	Tor
00K	XC6505A181MR	LVR-IC	SOT-25	6g	LDO, 1.8V±20mV, 200mA, +CE	-	05	28cx	VR4	Tor
00L	XC6101A119MR	Vdet-IC	SOT-25	6gb	1.9V±2%, Hst, -MR, -Reset PPO, Wt=6.25ms, Rdt=3.13ms	F03	15	28cp	VD17	Tor
00L	XC6101A149MR	Vdet-IC	SOT-25	6gb	4.9V±2%, Hst, -MR, -Reset PPO, Wt=6.25ms, Rdt=3.13ms	F04	15	28cp	VD17	Tor
00L	XC6505A191MR	LVR-IC	SOT-25	6g	LDO, 1.9V±20mV, 200mA, +CE	-	05	28cx	VR4	Tor
00M	XC6101A120MR	Vdet-IC	SOT-25	6gb	2.0V±2%, Hst, -MR, -Reset PPO, Wt=6.25ms, Rdt=3.13ms	F03	15	28cp	VD17	Tor
00M	XC6101A150MR	Vdet-IC	SOT-25	6gb	5.0V±2%, Hst, -MR, -Reset PPO, Wt=6.25ms, Rdt=3.13ms	F04	15	28cp	VD17	Tor
00M	XC6505A201MR	LVR-IC	SOT-25	6g	LDO, 2.0V±1%, 200mA, +CE	-	05	28cx	VR4	Tor
00N	XC6101A121MR	Vdet-IC	SOT-25	6gb	2.1V±2%, Hst, -MR, -Reset PPO, Wt=6.25ms, Rdt=3.13ms	F03	15	28cp	VD17	Tor
00N	XC6505A211MR	LVR-IC	SOT-25	6g	LDO, 2.1V±1%, 200mA, +CE	-	05	28cx	VR4	Tor
00P	XC6101A122MR	Vdet-IC	SOT-25	6gb	2.2V±2%, Hst, -MR, -Reset PPO, Wt=6.25ms, Rdt=3.13ms	F03	15	28cp	VD17	Tor
00P	XC6505A221MR	LVR-IC	SOT-25	6g	LDO, 2.2V±1%, 200mA, +CE	-	05	28cx	VR4	Tor

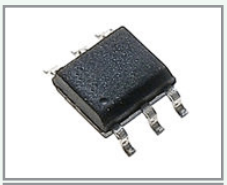
SECTION 8
SOT-89-5 CASE SMD SEMICONDUCTOR COMPONENTS

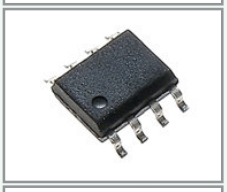


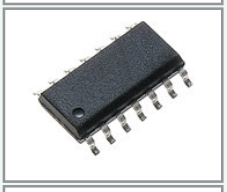
SMD code	Type	Function	Case	Style	Short description	Atr	A.d.	Pin	Sch	Mnf
00E	XC6505A151PR	LVR-IC	SOT-89-5	6n	LDO, 1.5V±20mV, 200mA, +CE	-	05	32um	VR4	Tor
00F	XC6505A161PR	LVR-IC	SOT-89-5	6n	LDO, 1.6V±20mV, 200mA, +CE	-	05	32um	VR4	Tor
00H	XC6505A171PR	LVR-IC	SOT-89-5	6n	LDO, 1.7V±20mV, 200mA, +CE	-	05	32um	VR4	Tor
00K	XC6505A181PR	LVR-IC	SOT-89-5	6n	LDO, 1.8V±20mV, 200mA, +CE	-	05	32um	VR4	Tor
00L	XC6505A191PR	LVR-IC	SOT-89-5	6n	LDO, 1.9V±20mV, 200mA, +CE	-	05	32um	VR4	Tor
00M	XC6505A201PR	LVR-IC	SOT-89-5	6n	LDO, 2.0V±1%, 200mA, +CE	-	05	32um	VR4	Tor
00N	XC6505A211PR	LVR-IC	SOT-89-5	6n	LDO, 2.1V±1%, 200mA, +CE	-	05	32um	VR4	Tor
00P	XC6505A221PR	LVR-IC	SOT-89-5	6n	LDO, 2.2V±1%, 200mA, +CE	-	05	32um	VR4	Tor
00R	XC6505A231PR	LVR-IC	SOT-89-5	6n	LDO, 2.3V±1%, 200mA, +CE	-	05	32um	VR4	Tor
00S	XC6505A241PR	LVR-IC	SOT-89-5	6n	LDO, 2.4V±1%, 200mA, +CE	-	05	32um	VR4	Tor
00T	XC6505A251PR	LVR-IC	SOT-89-5	6n	LDO, 2.5V±1%, 200mA, +CE	-	05	32um	VR4	Tor
00U	XC6505A261PR	LVR-IC	SOT-89-5	6n	LDO, 2.6V±1%, 200mA, +CE	-	05	32um	VR4	Tor
00V	XC6505A271PR	LVR-IC	SOT-89-5	6n	LDO, 2.7V±1%, 200mA, +CE	-	05	32um	VR4	Tor
00X	XC6505A281PR	LVR-IC	SOT-89-5	6n	LDO, 2.8V±1%, 200mA, +CE	-	05	32um	VR4	Tor
00Y	XC6505A291PR	LVR-IC	SOT-89-5	6n	LDO, 2.9V±1%, 200mA, +CE	-	05	32um	VR4	Tor
00Z	XC6505A301PR	LVR-IC	SOT-89-5	6n	LDO, 3.0V±1%, 200mA, +CE	-	05	32um	VR4	Tor
010	XC6505A311PR	LVR-IC	SOT-89-5	6n	LDO, 3.1V±1%, 200mA, +CE	-	05	32um	VR4	Tor
011	XC6505A321PR	LVR-IC	SOT-89-5	6n	LDO, 3.2V±1%, 200mA, +CE	-	05	32um	VR4	Tor
012	XC6505A331PR	LVR-IC	SOT-89-5	6n	LDO, 3.3V±1%, 200mA, +CE	-	05	32um	VR4	Tor
013	XC6505A341PR	LVR-IC	SOT-89-5	6n	LDO, 3.4V±1%, 200mA, +CE	-	05	32um	VR4	Tor
014	XC6505A351PR	LVR-IC	SOT-89-5	6n	LDO, 3.5V±1%, 200mA, +CE	-	05	32um	VR4	Tor
015	XC6505A361PR	LVR-IC	SOT-89-5	6n	LDO, 3.6V±1%, 200mA, +CE	-	05	32um	VR4	Tor
016	XC6505A371PR	LVR-IC	SOT-89-5	6n	LDO, 3.7V±1%, 200mA, +CE	-	05	32um	VR4	Tor
017	XC6505A381PR	LVR-IC	SOT-89-5	6n	LDO, 3.8V±1%, 200mA, +CE	-	05	32um	VR4	Tor
018	XC6505A391PR	LVR-IC	SOT-89-5	6n	LDO, 3.9V±1%, 200mA, +CE	-	05	32um	VR4	Tor
019	XC6505A401PR	LVR-IC	SOT-89-5	6n	LDO, 4.0V±1%, 200mA, +CE	-	05	32um	VR4	Tor
01A	XC6505A411PR	LVR-IC	SOT-89-5	6n	LDO, 4.1V±1%, 200mA, +CE	-	05	32um	VR4	Tor
01B	XC6505A421PR	LVR-IC	SOT-89-5	6n	LDO, 4.2V±1%, 200mA, +CE	-	05	32um	VR4	Tor
01C	XC6505A431PR	LVR-IC	SOT-89-5	6n	LDO, 4.3V±1%, 200mA, +CE	-	05	32um	VR4	Tor
01D	XC6505A441PR	LVR-IC	SOT-89-5	6n	LDO, 4.4V±1%, 200mA, +CE	-	05	32um	VR4	Tor
01E	XC6505A451PR	LVR-IC	SOT-89-5	6n	LDO, 4.5V±1%, 200mA, +CE	-	05	32um	VR4	Tor
01F	XC6505A461PR	LVR-IC	SOT-89-5	6n	LDO, 4.6V±1%, 200mA, +CE	-	05	32um	VR4	Tor
01H	XC6505A471PR	LVR-IC	SOT-89-5	6n	LDO, 4.7V±1%, 200mA, +CE	-	05	32um	VR4	Tor
01K	XC6505A481PR	LVR-IC	SOT-89-5	6n	LDO, 4.8V±1%, 200mA, +CE	-	05	32um	VR4	Tor
01L	XC6505A491PR	LVR-IC	SOT-89-5	6n	LDO, 4.9V±1%, 200mA, +CE	-	05	32um	VR4	Tor
01M	XC6505A501PR	LVR-IC	SOT-89-5	6n	LDO, 5.0V±1%, 200mA, +CE	-	05	32um	VR4	Tor
020	ELM85103A	LVR-IC	SOT-89-5	6h	LDO, 1.0V±2%, 800mA, +CE	-	-	32vrt	VR4	Elm
020	XC6505A611PR	LVR-IC	SOT-89-5	6n	LDO, 6.1V±1%, 200mA, +CE	-	05	32um	VR4	Tor
021	XC6505A621PR	LVR-IC	SOT-89-5	6n	LDO, 6.2V±1%, 200mA, +CE	-	05	32um	VR4	Tor
022	XC6505A631PR	LVR-IC	SOT-89-5	6n	LDO, 6.3V±1%, 200mA, +CE	-	05	32um	VR4	Tor
023	XC6505A641PR	LVR-IC	SOT-89-5	6n	LDO, 6.4V±1%, 200mA, +CE	-	05	32um	VR4	Tor
024	XC6505A651PR	LVR-IC	SOT-89-5	6n	LDO, 6.5V±1%, 200mA, +CE	-	05	32um	VR4	Tor
025	XC6505A661PR	LVR-IC	SOT-89-5	6n	LDO, 6.6V±1%, 200mA, +CE	-	05	32um	VR4	Tor
026	XC6505A671PR	LVR-IC	SOT-89-5	6n	LDO, 6.7V±1%, 200mA, +CE	-	05	32um	VR4	Tor
027	XC6505A681PR	LVR-IC	SOT-89-5	6n	LDO, 6.8V±1%, 200mA, +CE	-	05	32um	VR4	Tor
028	ELM85083A	LVR-IC	SOT-89-5	6h	LDO, 0.8V±2%, 800mA, +CE	-	-	32vrt	VR4	Elm
028	XC6505A691PR	LVR-IC	SOT-89-5	6n	LDO, 6.9V±1%, 200mA, +CE	-	05	32um	VR4	Tor
029	ELM85093A	LVR-IC	SOT-89-5	6h	LDO, 0.9V±2%, 800mA, +CE	-	-	32vrt	VR4	Elm
029	XC6505A701PR	LVR-IC	SOT-89-5	6n	LDO, 7.0V±1%, 200mA, +CE	-	05	32um	VR4	Tor
02A	ELM85113A	LVR-IC	SOT-89-5	6h	LDO, 1.1V±2%, 800mA, +CE	-	-	32vrt	VR4	Elm
02B	ELM85123A	LVR-IC	SOT-89-5	6h	LDO, 1.2V±2%, 800mA, +CE	-	-	32vrt	VR4	Elm
02B	ELM85123A	LVR-IC	SOT-89-5	6ha	LDO, 1.2V±2%, 600mA, +CE	-	20	32vrt	VR4	Elm
02C	ELM85133A	LVR-IC	SOT-89-5	6h	LDO, 1.3V±2%, 800mA, +CE	-	-	32vrt	VR4	Elm
02C	ELM85133A	LVR-IC	SOT-89-5	6ha	LDO, 1.3V±2%, 600mA, +CE	-	20	32vrt	VR4	Elm
02D	ELM85143A	LVR-IC	SOT-89-5	6h	LDO, 1.4V±2%, 800mA, +CE	-	-	32vrt	VR4	Elm
02D	ELM85143A	LVR-IC	SOT-89-5	6ha	LDO, 1.4V±2%, 600mA, +CE	-	20	32vrt	VR4	Elm
02E	ELM85153A	LVR-IC	SOT-89-5	6h	LDO, 1.5V±2%, 800mA, +CE	-	-	32vrt	VR4	Elm
02E	ELM85153A	LVR-IC	SOT-89-5	6ha	LDO, 1.5V±2%, 600mA, +CE	-	20	32vrt	VR4	Elm
02E	ELM85263A	LVR-IC	SOT-89-5	6ha	LDO, 2.6V±2%, 600mA, +CE	-	20	32vrt	VR4	Elm
02F	ELM85163A	LVR-IC	SOT-89-5	6h	LDO, 1.6V±2%, 800mA, +CE	-	-	32vrt	VR4	Elm
02F	ELM85163A	LVR-IC	SOT-89-5	6ha	LDO, 1.6V±2%, 600mA, +CE	-	20	32vrt	VR4	Elm
02G	ELM85173A	LVR-IC	SOT-89-5	6h	LDO, 1.7V±2%, 800mA, +CE	-	-	32vrt	VR4	Elm
02G	ELM85173A	LVR-IC	SOT-89-5	6ha	LDO, 1.7V±2%, 600mA, +CE	-	20	32vrt	VR4	Elm
02H	ELM85183A	LVR-IC	SOT-89-5	6h	LDO, 1.8V±2%, 800mA, +CE	-	-	32vrt	VR4	Elm
02H	ELM85183A	LVR-IC	SOT-89-5	6ha	LDO, 1.8V±2%, 600mA, +CE	-	20	32vrt	VR4	Elm
02J	ELM85193A	LVR-IC	SOT-89-5	6h	LDO, 1.9V±2%, 800mA, +CE	-	-	32vrt	VR4	Elm
02J	ELM85193A	LVR-IC	SOT-89-5	6ha	LDO, 1.9V±2%, 600mA, +CE	-	20	32vrt	VR4	Elm
02K	ELM85203A	LVR-IC	SOT-89-5	6h	LDO, 2.0V±2%, 800mA, +CE	-	-	32vrt	VR4	Elm
02K	ELM85203A	LVR-IC	SOT-89-5	6ha	LDO, 2.0V±2%, 600mA, +CE	-	20	32vrt	VR4	Elm
02L	ELM85213A	LVR-IC	SOT-89-5	6h	LDO, 2.1V±2%, 800mA, +CE	-	-	32vrt	VR4	Elm

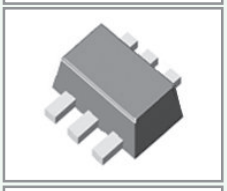
SECTION 9

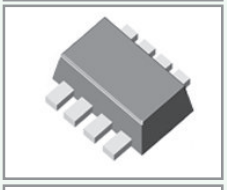
6 and more pin case SMD semiconductor components

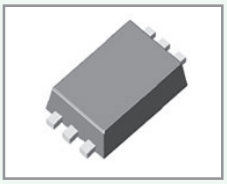








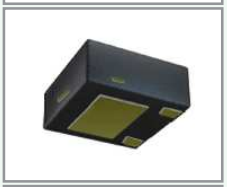


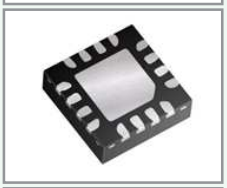


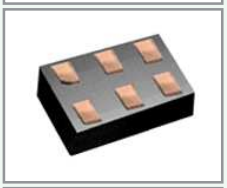
SMD code	Type	Function	Case	Style	Short description	Atr	A.d.	Pin	Sch	Mnf
+AAAA	MAX9718AEUB+	Lin-IC	SOP-10	8d	APA, BTL, 2.7..5.5V 1.4W(5V/4Ω), select shutdown	-	-	60	AFP19	Max
+AAAB	MAX9718BEUB+	Lin-IC	SOP-10	8d	APA, BTL, 2.7..5.5V, 1.4W(5V/4Ω), select shutdown	-	-	60	AFP20	Max
+AAAC	MAX9718CEUB+	Lin-IC	SOP-10	8d	APA, BTL, 2.7..5.5V, 1.4W(5V/4Ω), select shutdown	-	-	60	AFP20	Max
+AAAD	MAX9718DEUB+	Lin-IC	SOP-10	8d	APA, BTL, 2.7..5.5V, 1.4W(5V/4Ω), select shutdown	-	-	60	AFP20	Max
+AAAJ	MAX9718EEUB+	Lin-IC	SOP-10	8d	APA, BTL, 2.7..5.5V, 1.4W(5V/4Ω), select shutdown	-	-	60	AFP20	Max
+AAAK	MAX9718FEUB+	Lin-IC	SOP-10	8d	APA, BTL, 2.7..5.5V, 1.4W(5V/4Ω), select shutdown	-	-	60	AFP20	Max
+AAAL	MAX9718GEUB+	Lin-IC	SOP-10	8d	APA, BTL, 2.7..5.5V, 1.4W(5V/4Ω), select shutdown	-	-	60	AFP20	Max
+AAAM	MAX9718HEUB+	Lin-IC	SOP-10	8d	APA, BTL, 2.7..5.5V, 1.4W(5V/4Ω), select shutdown	-	-	60	AFP20	Max
+ACLW	MAX16052AUT+T	Vdet-IC	SOT-23-6	7b	Adjustable sequencing/supervisory, 2.25..16V, ODO	-	-	33	-	Max
+ACLX	MAX16053AUT+T	Vdet-IC	SOT-23-6	7b	Adjustable sequencing/supervisory, 2.25..16V, PPO	-	-	33	-	Max
00	KIC7W00FK	CMOS-Logic	US8	8cb	Dual 2-input NAND gate	-	-	55	Log50	Kec
00	XC74WL00AASR	CMOS-Logic	MSOP-8B	8da	Dual 2-input NAND gate	L08	-	55	Log50	Tor
005	FAN7005MU	Lin-IC	SSOP-8	8d	APA, 2.7..5.5V, 2x300mW(5V/8Ω), shutdown	-	-	47	AFP17	F
00B	U74HC2G02-SM1	CMOS-Logic	MSOP-8	8da	Dual 2-input NOR gate	L08	-	47	Log53	Utc
00BL	U74HC2G02L-SM1	CMOS-Logic	MSOP-8	8da	Dual 2-input NOR gate, L-free	L08	-	47	Log53	Utc
00W	U74HC2G00-SM1	CMOS-Logic	MSOP-8	8da	Dual 2-input NAND gate	L08	-	47	Log50	Utc
00WL	U74HC2G00L-SM1	CMOS-Logic	MSOP-8	8da	Dual 2-input NAND gate, L-free	L08	-	47	Log50	Utc
011	AP64011-GV	LVR-IC	SOT-23-6	7pa	LDO, Dual output, Vout1/Vout2=3.0V/3.3V±2%, 250mA, +CE, H-free	K14a	-	33x5	VR19	Anw
011	AP64011-PV	LVR-IC	SOT-23-6	7pa	LDO, Dual output, Vout1/Vout2=3.0V/3.3V±2%, 250mA, +CE	-	-	33x5	VR19	Anw
011	EC49222-1-B3F	LVR-IC	SOT-23-6L	7pa	LDO, Dual out, Vout1/Vout2=3.0V/3.3V±2%, 250mA, +CE, LFr	-	19	33x5	VR19	Ecm
011	EC49222-1-B3G	LVR-IC	SOT-23-6L	7pa	LDO, Dual out, Vout1/Vout2=3.0V/3.3V±2%, 250mA, +CE, HFr	K14	19	33x5	VR19	Ecm
011	GS6202RQRF	LVR-IC	SOT-23-6L	7b	LDO, Dual out, Vout1/Vout2=3.0V/3.3V±2%, 250mA, +CE	-	-	33x5	VR19	Glo
012	AP64012-GV	LVR-IC	SOT-23-6	7pa	LDO, Dual output, Vout1/Vout2=1.8V/3.0V±2%, 250mA, +CE, H-free	K14a	-	33x5	VR19	Anw
012	AP64012-PV	LVR-IC	SOT-23-6	7pa	LDO, Dual output, Vout1/Vout2=1.8V/3.0V±2%, 250mA, +CE	-	-	33x5	VR19	Anw
012	EC49222-2-B3F	LVR-IC	SOT-23-6L	7pa	LDO, Dual out, Vout1/Vout2=1.8V/3.0V±2%, 250mA, +CE, LFr	-	19	33x5	VR19	Ecm
012	EC49222-2-B3G	LVR-IC	SOT-23-6L	7pa	LDO, Dual out, Vout1/Vout2=1.8V/3.0V±2%, 250mA, +CE, HFr	K14	19	33x5	VR19	Ecm
012	GS6202RFQF	LVR-IC	SOT-23-6L	7b	LDO, Dual out, Vout1/Vout2=1.8V/3.0V±2%, 250mA, +CE	-	-	33x5	VR19	Glo
013	AP64013-GV	LVR-IC	SOT-23-6	7pa	LDO, Dual output, Vout1/Vout2=3.0V/3.0V±2%, 250mA, +CE, H-free	K14a	-	33x5	VR19	Anw
013	AP64013-PV	LVR-IC	SOT-23-6	7pa	LDO, Dual output, Vout1/Vout2=3.0V/3.0V±2%, 250mA, +CE	-	-	33x5	VR19	Anw
013	EC49222-3-B3F	LVR-IC	SOT-23-6L	7pa	LDO, Dual out, Vout1/Vout2=3.0V/3.0V±2%, 250mA, +CE, LFr	-	19	33x5	VR19	Ecm
013	EC49222-3-B3G	LVR-IC	SOT-23-6L	7pa	LDO, Dual out, Vout1/Vout2=3.0V/3.0V±2%, 250mA, +CE, HFr	K14	19	33x5	VR19	Ecm
013	GS6202RQQF	LVR-IC	SOT-23-6L	7b	LDO, Dual out, Vout1/Vout2=3.0V/3.0V±2%, 250mA, +CE	-	-	33x5	VR19	Glo
014	EC49222-4-B3F	LVR-IC	SOT-23-6L	7pa	LDO, Dual out, Vout1/Vout2=1.3V/2.8V±2%, 250mA, +CE, LFr	-	19	33x5	VR19	Ecm
014	EC49222-4-B3G	LVR-IC	SOT-23-6L	7pa	LDO, Dual out, Vout1/Vout2=1.3V/2.8V±2%, 250mA, +CE, HFr	K14	19	33x5	VR19	Ecm
01A	AP6401A-GV	LVR-IC	SOT-23-6	7pa	LDO, Dual output, Vout1/Vout2=3.3V/3.3V±2%, 250mA, +CE, H-free	K14a	-	33x5	VR19	Anw
01A	AP6401A-PV	LVR-IC	SOT-23-6	7pa	LDO, Dual output, Vout1/Vout2=3.3V/3.3V±2%, 250mA, +CE	-	-	33x5	VR19	Anw
01A	EC49222-A-B3F	LVR-IC	SOT-23-6L	7pa	LDO, Dual out, Vout1/Vout2=3.3V/3.3V±2%, 250mA, +CE, LFr	-	19	33x5	VR19	Ecm
01A	EC49222-A-B3G	LVR-IC	SOT-23-6L	7pa	LDO, Dual out, Vout1/Vout2=3.3V/3.3V±2%, 250mA, +CE, HFr	K14	19	33x5	VR19	Ecm
01A	GS6202RRRF	LVR-IC	SOT-23-6L	7b	LDO, Dual out, Vout1/Vout2=3.3V/3.3V±2%, 250mA, +CE	-	-	33x5	VR19	Glo
01B	AP6401B-GV	LVR-IC	SOT-23-6	7pa	LDO, Dual output, Vout1/Vout2=2.8V/3.3V±2%, 250mA, +CE, H-free	K14a	-	33x5	VR19	Anw
01B	AP6401B-PV	LVR-IC	SOT-23-6	7pa	LDO, Dual output, Vout1/Vout2=2.8V/3.3V±2%, 250mA, +CE	-	-	33x5	VR19	Anw
01B	EC49222-B-B3F	LVR-IC	SOT-23-6L	7pa	LDO, Dual out, Vout1/Vout2=2.8V/3.3V±2%, 250mA, +CE, LFr	-	19	33x5	VR19	Ecm
01B	EC49222-B-B3G	LVR-IC	SOT-23-6L	7pa	LDO, Dual out, Vout1/Vout2=2.8V/3.3V±2%, 250mA, +CE, HFr	K14	19	33x5	VR19	Ecm
01B	GS6202RJRF	LVR-IC	SOT-23-6L	7b	LDO, Dual out, Vout1/Vout2=2.8V/3.3V±2%, 250mA, +CE	-	-	33x5	VR19	Glo
01C	AP6401C-GV	LVR-IC	SOT-23-6	7pa	LDO, Dual output, Vout1/Vout2=2.5V/3.3V±2%, 250mA, +CE, H-free	K14a	-	33x5	VR19	Anw
01C	AP6401C-PV	LVR-IC	SOT-23-6	7pa	LDO, Dual output, Vout1/Vout2=2.5V/3.3V±2%, 250mA, +CE	-	-	33x5	VR19	Anw
01C	EC49222-C-B3F	LVR-IC	SOT-23-6L	7pa	LDO, Dual out, Vout1/Vout2=2.5V/3.3V±2%, 250mA, +CE, LFr	-	19	33x5	VR19	Ecm
01C	EC49222-C-B3G	LVR-IC	SOT-23-6L	7pa	LDO, Dual out, Vout1/Vout2=2.5V/3.3V±2%, 250mA, +CE, HFr	K14	19	33x5	VR19	Ecm
01C	GS6202RHRF	LVR-IC	SOT-23-6L	7b	LDO, Dual out, Vout1/Vout2=2.5V/3.3V±2%, 250mA, +CE	-	-	33x5	VR19	Glo
01C25A	XC9101C25ASR	DC/DC-IC	SOP-8	8g	PWM, st-up, 2.5V±2.5%, 1.5A	-	09	47xd	DC17	Tor
01C26A	XC9101C26ASR	DC/DC-IC	SOP-8	8g	PWM, st-up, 2.6V±2.5%, 1.5A	-	09	47xd	DC17	Tor
01C27A	XC9101C27ASR	DC/DC-IC	SOP-8	8g	PWM, st-up, 2.7V±2.5%, 1.5A	-	09	47xd	DC17	Tor
01C28A	XC9101C28ASR	DC/DC-IC	SOP-8	8g	PWM, st-up, 2.8V±2.5%, 1.5A	-	09	47xd	DC17	Tor
01C29A	XC9101C29ASR	DC/DC-IC	SOP-8	8g	PWM, st-up, 2.9V±2.5%, 1.5A	-	09	47xd	DC17	Tor
01C30A	XC9101C30ASR	DC/DC-IC	SOP-8	8g	PWM, st-up, 3.0V±2.5%, 1.5A	-	09	47xd	DC17	Tor
01C31A	XC9101C31ASR	DC/DC-IC	SOP-8	8g	PWM, st-up, 3.1V±2.5%, 1.5A	-	09	47xd	DC17	Tor
01C32A	XC9101C32ASR	DC/DC-IC	SOP-8	8g	PWM, st-up, 3.2V±2.5%, 1.5A	-	09	47xd	DC17	Tor
01C33A	XC9101C33ASR	DC/DC-IC	SOP-8	8g	PWM, st-up, 3.3V±2.5%, 1.5A	-	09	47xd	DC17	Tor
01C34A	XC9101C34ASR	DC/DC-IC	SOP-8	8g	PWM, st-up, 3.4V±2.5%, 1.5A	-	09	47xd	DC17	Tor
01C35A	XC9101C35ASR	DC/DC-IC	SOP-8	8g	PWM, st-up, 3.5V±2.5%, 1.5A	-	09	47xd	DC17	Tor
01C36A	XC9101C36ASR	DC/DC-IC	SOP-8	8g	PWM, st-up, 3.6V±2.5%, 1.5A	-	09	47xd	DC17	Tor
01C37A	XC9101C37ASR	DC/DC-IC	SOP-8	8g	PWM, st-up, 3.7V±2.5%, 1.5A	-	09	47xd	DC17	Tor
01C38A	XC9101C38ASR	DC/DC-IC	SOP-8	8g	PWM, st-up, 3.8V±2.5%, 1.5A	-	09	47xd	DC17	Tor
01C39A	XC9101C39ASR	DC/DC-IC	SOP-8	8g	PWM, st-up, 3.9V±2.5%, 1.5A	-	09	47xd	DC17	Tor
01C40A	XC9101C40ASR	DC/DC-IC	SOP-8	8g	PWM, st-up, 4.0V±2.5%, 1.5A	-	09	47xd	DC17	Tor
01C41A	XC9101C41ASR	DC/DC-IC	SOP-8	8g	PWM, st-up, 4.1V±2.5%, 1.5A	-	09	47xd	DC17	Tor
01C42A	XC9101C42ASR	DC/DC-IC	SOP-8	8g	PWM, st-up, 4.2V±2.5%, 1.5A	-	09	47xd	DC17	Tor
01C43A	XC9101C43ASR	DC/DC-IC	SOP-8	8g	PWM, st-up, 4.3V±2.5%, 1.5A	-	09	47xd	DC17	Tor
01C44A	XC9101C44ASR	DC/DC-IC	SOP-8	8g	PWM, st-up, 4.4V±2.5%, 1.5A	-	09	47xd	DC17	Tor
01C45A	XC9101C45ASR	DC/DC-IC	SOP-8	8g	PWM, st-up, 4.5V±2.5%, 1.5A	-	09	47xd	DC17	Tor

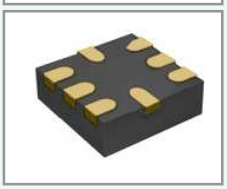
SECTION 10

BGA, DFN and QFN case SMD semiconductor components





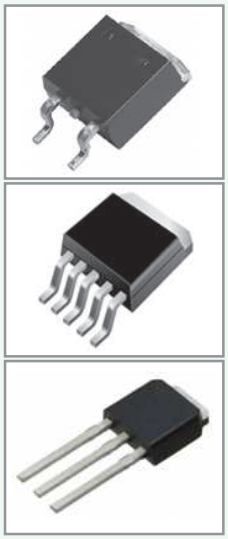




SMD code	Type	Function	Case	Style	Short description	Atr	A.d.	Pin	Sch	Mnf
+AAT	MAX9724AETC+	Lin-IC	QFN-12	9m	APA, 2.7..5.5V, 2x60mW(3V/32Ω), shutdown	-	-	38	-	Max
+AAU	MAX9724BETC+	Lin-IC	QFN-12	9m	APA, 2.7..5.5V, 2x60mW(3V/32Ω), shutdown	-	-	38	-	Max
+AAW	MAX9718BETB+T	Lin-IC	DFN-10	9m	APA, BTL, 2.7..5.5V 1.4W(5V/4Ω), select shutdown	-	-	37	AFP20	Max
+AAX	MAX9718CETB+T	Lin-IC	DFN-10	9m	APA, BTL, 2.7..5.5V, 1.4W(5V/4Ω), select shutdown	-	-	37	AFP20	Max
+AAY	MAX9718DETB+T	Lin-IC	DFN-10	9m	APA, BTL, 2.7..5.5V, 1.4W(5V/4Ω), select shutdown	-	-	37	AFP20	Max
+ABJ	MAX9724CETC+	Lin-IC	QFN-12	9m	APA, 2.7..5.5V, 2x60mW(3V/32Ω), shutdown	-	-	38	-	Max
+ABK	MAX9724DETC+	Lin-IC	QFN-12	9m	APA, 2.7..5.5V, 2x60mW(3V/32Ω), shutdown	-	-	38	-	Max
+ADH	MAX9724AEBC+T	Lin-IC	BGA-12	9m	APA, 2.7..5.5V, 2x60mW(3V/32Ω), shutdown	-	-	39	-	Max
+ADI	MAX9724BEBC+T	Lin-IC	BGA-12	9m	APA, 2.7..5.5V, 2x60mW(3V/32Ω), shutdown	-	-	39	-	Max
+ADX	MAX9718BEBL+TG45	Lin-IC	BGA-9	9m	APA, BTL, 2.7..5.5V, 1.4W(5V/4Ω), select shutdown	-	-	39	AFP54	Max
+ADZ	MAX9718CEBL+TG45	Lin-IC	BGA-9	9m	APA, BTL, 2.7..5.5V, 1.4W(5V/4Ω), select shutdown	-	-	39	AFP54	Max
+AEA	MAX9718DEBL+TG45	Lin-IC	BGA-9	9m	APA, BTL, 2.7..5.5V, 1.4W(5V/4Ω), select shutdown	-	-	39	AFP54	Max
+AEH	MAX9724DEBC+T	Lin-IC	BGA-12	9m	APA, 2.7..5.5V, 2x60mW(3V/32Ω), shutdown	-	-	39	-	Max
+AEV	MAX98306ETD+	Lin-IC	DFN-14	9ac	APA, BTL, 2.7..5.5V, 2x3.7W(5V/4Ω), shutdown	-	-	37	-	Max
+AFB	MAX9718EEBL+TG45	Lin-IC	BGA-9	9m	APA, BTL, 2.7..5.5V, 1.4W(5V/4Ω), select shutdown	-	-	39	AFP54	Max
+AFC	MAX9718FEBL+TG45	Lin-IC	BGA-9	9m	APA, BTL, 2.7..5.5V, 1.4W(5V/4Ω), select shutdown	-	-	39	AFP54	Max
+AFD	MAX9718GEBL+TG45	Lin-IC	BGA-9	9m	APA, BTL, 2.7..5.5V, 1.4W(5V/4Ω), select shutdown	-	-	39	AFP54	Max
+AFE	MAX9718HEBL+TG45	Lin-IC	BGA-9	9m	APA, BTL, 2.7..5.5V, 1.4W(5V/4Ω), select shutdown	-	-	39	AFP54	Max
+AGE	MAX9724CEBC+T	Lin-IC	BGA-12	9m	APA, 2.7..5.5V, 2x60mW(3V/32Ω), shutdown	-	-	39	-	Max
+AIN	MAX98307ETE+	Lin-IC	QFN-16	9ac	APA, BTL, class-D, 2.7..6.6V, 3.3W(5V/3Ω), shutdown	-	-	38	-	Max
+AIY	MAX98309EWL+	Lin-IC	BGA-9	9ac	APA, BTL, 2.7..5.5V, 1.4W(5V/4Ω), shutdown	-	-	39	-	Max
+AIZ	MAX98310EWL+	Lin-IC	BGA-9	9ac	APA, BTL, 2.7..5.5V, 1.4W(5V/4Ω), shutdown	-	-	39	-	Max
+ASY	MAX9718EETB+T	Lin-IC	DFN-10	9m	APA, BTL, 2.7..5.5V, 1.4W(5V/4Ω), select shutdown	-	-	37	AFP20	Max
+ASZ	MAX9718FETB+T	Lin-IC	DFN-10	9m	APA, BTL, 2.7..5.5V, 1.4W(5V/4Ω), select shutdown	-	-	37	AFP20	Max
+ATA	MAX9718GETB+T	Lin-IC	DFN-10	9m	APA, BTL, 2.7..5.5V, 1.4W(5V/4Ω), select shutdown	-	-	37	AFP20	Max
+ATB	MAX9718HETB+T	Lin-IC	DFN-10	9m	APA, BTL, 2.7..5.5V, 1.4W(5V/4Ω), select shutdown	-	-	37	AFP20	Max
0	FP6121-AWDG	LVR-IC	TDFN-6	9m	LDO, Dual out, Vout1/Vout2=3.3V/2.8V±2%, 150mA, +CEV, Green pack.	-	-	56xv	VR19	Fit
0	TCR3UG30A	LVR-IC	WCSP4F	9m	LDO, 3.0V±1%, 300mA, +CE, CL	H16a	-	63bc*	VR4	Tos
0	TCR3UG30B	LVR-IC	WCSP4F	9m	LDO, 3.0V±1%, 300mA, +CE	H16b	-	63bc*	VR4	Tos
0	TCR4DG30	LVR-IC	WCSP4E	9m	LDO, 3.0V±1%, 420mA, +CE	H16a	-	63bc*	VR4	Tos
00	RP110L081B	LVR-IC	DFN1010-4	9ac	LDO, 0.8V±1%, 150mA, +CE	-	-	48vm	VR4	Ric
00	XC6129C55A9R-G	Vdet-IC	USPQ-4B05	9ad	5.5V±0.8%, -Reset PPO, Releasy Delay	H33b	05	115r2	VD3a	Tor
00	XC6129N55A9R-G	Vdet-IC	USPQ-4B05	9ad	5.5V±0.8%, -Reset ODO, Releasy Delay	H33a	05	115r2	VD1a	Tor
00	XC6224A0817R	LVR-IC	USPN-4B02	9e	LDO, 0.8V±20mV, 150mA, +CE	-	05	58vm	VR4	Tor
00	XC6229D1211R-G	LVR-IC	BGA-4	9ac	LDO, 1.2V±20mV, 300mA, +CE	-	09	63ba*	VR4	Tor
01	RP110L091B	LVR-IC	DFN1010-4	9ac	LDO, 0.9V±1%, 150mA, +CE	-	-	48vm	VR4	Ric
01	TS4601EIJT	Lin-IC	BGA-16	9p	APA, 2.7..5.5V, 2x75mW(5V/16Ω), stand-by, I2C	-	-	39	-	Ste
01	XC6224A0917R	LVR-IC	USPN-4B02	9e	LDO, 0.9V±20mV, 150mA, +CE	-	05	58vm	VR4	Tor
01	XC6229D12B1R-G	LVR-IC	BGA-4	9ac	LDO, 1.25V±20mV, 300mA, +CE	-	09	63ba*	VR4	Tor
01	XC6420AB017R-G	LVR-IC	USPN-6	9ac	LDO, Dual out, Vout1/Vout2=1.20/1.20V±2%, 150mA, +CE	-	05	52xv	VR19	Tor
01	XC6420AB01DR-G	LVR-IC	USP-6B04	9ac	LDO, Dual out, Vout1/Vout2=1.20/1.20V±2%, 150mA, +CE	-	05	73x4	VR19	Tor
011	AP64011-GU	LVR-IC	UFN-6	9ia	LDO, Dual out, Vout1/Vout2=3.0V/3.3V±2%, 250mA, +CE, H-free	H22g	-	56xv	VR19	Anw
011	AP64011-PU	LVR-IC	UFN-6	9ia	LDO, Dual out, Vout1/Vout2=3.0V/3.3V±2%, 250mA, +CE	-	-	56xv	VR19	Anw
011	EC49222-1-FFF	LVR-IC	UFN-6	9ia	LDO, Dual out, Vout1/Vout2=3.0V/3.3V±2%, 250mA, +CE, L-free	H22f	19	56xv	VR19	Ecm
011	EC49222-1-FFG	LVR-IC	UFN-6	9ia	LDO, Dual out, Vout1/Vout2=3.0V/3.3V±2%, 250mA, +CE, H-free	H31	19	56xv	VR19	Ecm
012	AP64012-GU	LVR-IC	UFN-6	9ia	LDO, Dual out, Vout1/Vout2=1.8V/3.0V±2%, 250mA, +CE, H-free	H22g	-	56xv	VR19	Anw
012	AP64012-PU	LVR-IC	UFN-6	9ia	LDO, Dual out, Vout1/Vout2=1.8V/3.0V±2%, 250mA, +CE	-	-	56xv	VR19	Anw
012	EC49222-2-FFF	LVR-IC	UFN-6	9ia	LDO, Dual out, Vout1/Vout2=1.8V/3.0V±2%, 250mA, +CE, L-free	H22f	19	56xv	VR19	Ecm
012	EC49222-2-FFG	LVR-IC	UFN-6	9ia	LDO, Dual out, Vout1/Vout2=1.8V/3.0V±2%, 250mA, +CE, H-free	H31	19	56xv	VR19	Ecm
013	AP64013-GU	LVR-IC	UFN-6	9ia	LDO, Dual out, Vout1/Vout2=3.0V/3.0V±2%, 250mA, +CE, H-free	H22g	-	56xv	VR19	Anw
013	AP64013-PU	LVR-IC	UFN-6	9ia	LDO, Dual out, Vout1/Vout2=3.0V/3.0V±2%, 250mA, +CE	-	-	56xv	VR19	Anw
013	EC49222-3-FFF	LVR-IC	UFN-6	9ia	LDO, Dual out, Vout1/Vout2=3.0V/3.0V±2%, 250mA, +CE, L-free	H22f	19	56xv	VR19	Ecm
013	EC49222-3-FFG	LVR-IC	UFN-6	9ia	LDO, Dual out, Vout1/Vout2=3.0V/3.0V±2%, 250mA, +CE, H-free	H31	19	56xv	VR19	Ecm
014	EC49222-4-FFF	LVR-IC	UFN-6	9ia	LDO, Dual out, Vout1/Vout2=1.3V/2.8V±2%, 250mA, +CE, L-free	H22f	19	56xv	VR19	Ecm
014	EC49222-4-FFG	LVR-IC	UFN-6	9ia	LDO, Dual out, Vout1/Vout2=1.3V/2.8V±2%, 250mA, +CE, H-free	H31	19	56xv	VR19	Ecm
01A	AP6401A-GU	LVR-IC	UFN-6	9ia	LDO, Dual out, Vout1/Vout2=3.3V/3.3V±2%, 250mA, +CE, H-free	H22g	-	56xv	VR19	Anw
01A	AP6401A-PU	LVR-IC	UFN-6	9ia	LDO, Dual out, Vout1/Vout2=3.3V/3.3V±2%, 250mA, +CE	-	-	56xv	VR19	Anw
01A	EC49222-A-FFF	LVR-IC	UFN-6	9ia	LDO, Dual out, Vout1/Vout2=3.3V/3.3V±2%, 250mA, +CE, L-free	H22f	19	56xv	VR19	Ecm
01A	EC49222-A-FFG	LVR-IC	UFN-6	9ia	LDO, Dual out, Vout1/Vout2=3.3V/3.3V±2%, 250mA, +CE, H-free	H31	19	56xv	VR19	Ecm
01A15	HM6210A152DR	LVR-IC	USP-6B	9b	LDO, 1.5V±2%, 700mA, +CE, CL, PDR	-	07	48hr	VR4	Hms
01A16	HM6210A162DR	LVR-IC	USP-6B	9b	LDO, 1.6V±2%, 700mA, +CE, CL, PDR	-	07	48hr	VR4	Hms
01A17	HM6210A172DR	LVR-IC	USP-6B	9b	LDO, 1.7V±2%, 700mA, +CE, CL, PDR	-	07	48hr	VR4	Hms
01A18	HM6210A182DR	LVR-IC	USP-6B	9b	LDO, 1.8V±2%, 700mA, +CE, CL, PDR	-	07	48hr	VR4	Hms
01A19	HM6210A192DR	LVR-IC	USP-6B	9b	LDO, 1.9V±2%, 700mA, +CE, CL, PDR	-	07	48hr	VR4	Hms
01A1F	HM6210A15ADR	LVR-IC	USP-6B	9b	LDO, 1.55V±2%, 700mA, +CE, CL, PDR	-	07	48hr	VR4	Hms
01A1H	HM6210A17ADR	LVR-IC	USP-6B	9b	LDO, 1.75V±2%, 700mA, +CE, CL, PDR	-	07	48hr	VR4	Hms
01A1K	HM6210A16ADR	LVR-IC	USP-6B	9b	LDO, 1.65V±2%, 700mA, +CE, CL, PDR	-	07	48hr	VR4	Hms
01A1L	HM6210A18ADR	LVR-IC	USP-6B	9b	LDO, 1.85V±2%, 700mA, +CE, CL, PDR	-	07	48hr	VR4	Hms
01A1M	HM6210A19ADR	LVR-IC	USP-6B	9b	LDO, 1.95V±2%, 700mA, +CE, CL, PDR	-	07	48hr	VR4	Hms
01A20	HM6210A202DR	LVR-IC	USP-6B	9b	LDO, 2.0V±2%, 700mA, +CE, CL, PDR	-	07	48hr	VR4	Hms

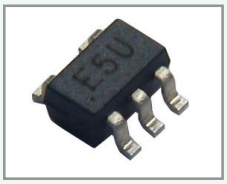
SECTION 11

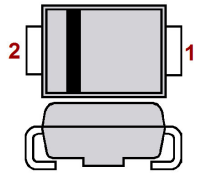
D-PAK and I-PAK case SMD semiconductor components



SMD code	Type	Function	Case	Style	Short description	Atr	A.d.	Pin	Sch	Mnf
100	XC6503P121JR-G	LVR-IC	TO-252	10aa	LDO, 1.2V±20mV, 500mA	M02	05	68eu	VR1	Tor
100A	3PMT100A	TVS	POWERMITE	10aa	Vvm=100V, Vbr=111V, Vcl=162V, 9.3A, 1500W(1ms)	-	-	68dh	-	Msc
100CA	3PMT100CA	TVS	POWERMITE	10aa	Vvm=100V, Vbr=111V, Vcl=162V, 9.3A, 1500W(1ms), Bidir.	-	-	68dp	-	Msc
101	XC6503P131JR-G	LVR-IC	TO-252	10aa	LDO, 1.3V±20mV, 500mA	M02	05	68eu	VR1	Tor
102	XC6503P141JR-G	LVR-IC	TO-252	10aa	LDO, 1.4V±20mV, 500mA	M02	05	68eu	VR1	Tor
103	XC6503P151JR-G	LVR-IC	TO-252	10aa	LDO, 1.5V±20mV, 500mA	M02	05	68eu	VR1	Tor
104	XC6503P161JR-G	LVR-IC	TO-252	10aa	LDO, 1.6V±20mV, 500mA	M02	05	68eu	VR1	Tor
105	XC6503P171JR-G	LVR-IC	TO-252	10aa	LDO, 1.7V±20mV, 500mA	M02	05	68eu	VR1	Tor
106	XC6503P181JR-G	LVR-IC	TO-252	10aa	LDO, 1.8V±20mV, 500mA	M02	05	68eu	VR1	Tor
107	XC6503P191JR-G	LVR-IC	TO-252	10aa	LDO, 1.9V±20mV, 500mA	M02	05	68eu	VR1	Tor
108	XC6503P201JR-G	LVR-IC	TO-252	10aa	LDO, 2.0V±1%, 500mA	M02	05	68eu	VR1	Tor
108418	LC1084CM3TR18	LVR-IC	TO-263-3L	10j	LDO, 1.8V±2%, 5A	-	-	84cg	VR1	Lch
108418	LC1084CMTR18	LVR-IC	TO-263-2L	10j	LDO, 1.8V±2%, 5A	-	-	68cg	VR1	Lch
108418	LC1084COTR18	LVR-IC	TO-252	10j	LDO, 1.8V±2%, 5A	-	-	68cg	VR1	Lch
108425	LC1084CM3TR25	LVR-IC	TO-263-3L	10j	LDO, 2.5V±2%, 5A	-	-	84cg	VR1	Lch
108425	LC1084CMTR25	LVR-IC	TO-263-2L	10j	LDO, 2.5V±2%, 5A	-	-	68cg	VR1	Lch
108425	LC1084COTR25	LVR-IC	TO-252	10j	LDO, 2.5V±2%, 5A	-	-	68cg	VR1	Lch
108433	LC1084CM3TR33	LVR-IC	TO-263-3L	10j	LDO, 3.3V±2%, 5A	-	-	84cg	VR1	Lch
108433	LC1084CMTR33	LVR-IC	TO-263-2L	10j	LDO, 3.3V±2%, 5A	-	-	68cg	VR1	Lch
108433	LC1084COTR33	LVR-IC	TO-252	10j	LDO, 3.3V±2%, 5A	-	-	68cg	VR1	Lch
108450	LC1084CM3TR50	LVR-IC	TO-263-3L	10j	LDO, 5.0V±2%, 5A	-	-	84cg	VR1	Lch
108450	LC1084CMTR50	LVR-IC	TO-263-2L	10j	LDO, 5.0V±2%, 5A	-	-	68cg	VR1	Lch
108450	LC1084COTR50	LVR-IC	TO-252	10j	LDO, 5.0V±2%, 5A	-	-	68cg	VR1	Lch
1084AD	LC1084CM3TRAD	LVR-IC	TO-263-3L	10j	LDO, Adjµstable 1.8V..5.0V±2%, 5A	-	-	84cn	VR20	Lch
1084AD	LC1084CMTRAD	LVR-IC	TO-263-2L	10j	LDO, Adjµstable 1.8V..5.0V±2%, 5A	-	-	68cn	VR20	Lch
1084AD	LC1084COTRAD	LVR-IC	TO-252	10j	LDO, Adjµstable 1.8V..5.0V±2%, 5A	-	-	68cn	VR20	Lch
108518	LC1085CM3TR18	LVR-IC	TO-263-3L	10j	LDO, 1.8V±2%, 3A	-	-	84cg	VR1	Lch
108518	LC1085CMTR18	LVR-IC	TO-263-2L	10j	LDO, 1.8V±2%, 3A	-	-	68cg	VR1	Lch
108518	LC1085COTR18	LVR-IC	TO-252	10j	LDO, 1.8V±2%, 3A	-	-	68cg	VR1	Lch
108525	LC1085CM3TR25	LVR-IC	TO-263-3L	10j	LDO, 2.5V±2%, 3A	-	-	84cg	VR1	Lch
108525	LC1085CMTR25	LVR-IC	TO-263-2L	10j	LDO, 2.5V±2%, 3A	-	-	68cg	VR1	Lch
108525	LC1085COTR25	LVR-IC	TO-252	10j	LDO, 2.5V±2%, 3A	-	-	68cg	VR1	Lch
108533	LC1085CM3TR33	LVR-IC	TO-263-3L	10j	LDO, 3.3V±2%, 3A	-	-	84cg	VR1	Lch
108533	LC1085CMTR33	LVR-IC	TO-263-2L	10j	LDO, 3.3V±2%, 3A	-	-	68cg	VR1	Lch
108533	LC1085COTR33	LVR-IC	TO-252	10j	LDO, 3.3V±2%, 3A	-	-	68cg	VR1	Lch
108550	LC1085CM3TR50	LVR-IC	TO-263-3L	10j	LDO, 5.0V±2%, 3A	-	-	84cg	VR1	Lch
108550	LC1085CMTR50	LVR-IC	TO-263-2L	10j	LDO, 5.0V±2%, 3A	-	-	68cg	VR1	Lch
108550	LC1085COTR50	LVR-IC	TO-252	10j	LDO, 5.0V±2%, 3A	-	-	68cg	VR1	Lch
1085AD	LC1085CM3TRAD	LVR-IC	TO-263-3L	10j	LDO, Adjµstable 1.8V..5.0V±2%, 3A	-	-	84cn	VR20	Lch
1085AD	LC1085CMTRAD	LVR-IC	TO-263-2L	10j	LDO, Adjµstable 1.8V..5.0V±2%, 3A	-	-	68cn	VR20	Lch
1085AD	LC1085COTRAD	LVR-IC	TO-252	10j	LDO, Adjµstable 1.8V..5.0V±2%, 3A	-	-	68cn	VR20	Lch
109	XC6503P211JR-G	LVR-IC	TO-252	10aa	LDO, 2.1V±1%, 500mA	M02	05	68eu	VR1	Tor
10A	3PMT10A	TVS	POWERMITE	10aa	Vvm=10V, Vbr=11.1V, Vcl=17.0V, 88.2A, 1500W(1ms)	-	-	68dh	-	Msc
10A	XC6503P221JR-G	LVR-IC	TO-252	10aa	LDO, 2.2V±1%, 500mA	M02	05	68eu	VR1	Tor
10B	XC6503P231JR-G	LVR-IC	TO-252	10aa	LDO, 2.3V±1%, 500mA	M02	05	68eu	VR1	Tor
10C	XC6503P241JR-G	LVR-IC	TO-252	10aa	LDO, 2.4V±1%, 500mA	M02	05	68eu	VR1	Tor
10CA	3PMT10CA	TVS	POWERMITE	10aa	Vvm=10V, Vbr=11.1V, Vcl=17.0V, 88.2A, 1500W(1ms), Bidir.	-	-	68dp	-	Msc
10D	XC6503P251JR-G	LVR-IC	TO-252	10aa	LDO, 2.5V±1%, 500mA	M02	05	68eu	VR1	Tor
10E	XC6503P261JR-G	LVR-IC	TO-252	10aa	LDO, 2.6V±1%, 500mA	M02	05	68eu	VR1	Tor
10F	XC6503P271JR-G	LVR-IC	TO-252	10aa	LDO, 2.7V±1%, 500mA	M02	05	68eu	VR1	Tor
10H	XC6503P281JR-G	LVR-IC	TO-252	10aa	LDO, 2.8V±1%, 500mA	M02	05	68eu	VR1	Tor
10K	XC6503P291JR-G	LVR-IC	TO-252	10aa	LDO, 2.9V±1%, 500mA	M02	05	68eu	VR1	Tor
10L	XC6503P301JR-G	LVR-IC	TO-252	10aa	LDO, 3.0V±1%, 500mA	M02	05	68eu	VR1	Tor
10M	XC6503P311JR-G	LVR-IC	TO-252	10aa	LDO, 3.1V±1%, 500mA	M02	05	68eu	VR1	Tor
10N	XC6503P321JR-G	LVR-IC	TO-252	10aa	LDO, 3.2V±1%, 500mA	M02	05	68eu	VR1	Tor
10N03LA	IPD10N03LA	n-MOSFET	TO-252	10b	LogL, DC/DC-conv, 25V, 30A, 52W, Rds=10.4mΩ(10V), 6.3/18ns	-	-	68fw	-	Inf
10N03LA	IPF10N03LA	n-MOSFET	TO-252	10b	LogL, DC/DC-conv, 25V, 30A, 52W, Rds=10.4mΩ(10V), 6.3/18ns	-	-	68fw	-	Inf
10N03LA	IPS10N03LA	n-MOSFET	TO-251	10b	LogL, DC/DC-conv, 25V, 30A, 52W, Rds=10.4mΩ(10V), 6.3/18ns	-	-	84fw	-	Inf
10N03LA	IPU10N03LA	n-MOSFET	TO-251	10b	LogL, DC/DC-conv, 25V, 30A, 52W, Rds=10.4mΩ(10V), 6.3/18ns	-	-	84fw	-	Inf
10P	XC6503P331JR-G	LVR-IC	TO-252	10aa	LDO, 3.3V±1%, 500mA	M02	05	68eu	VR1	Tor
10R	XC6503P341JR-G	LVR-IC	TO-252	10aa	LDO, 3.4V±1%, 500mA	M02	05	68eu	VR1	Tor
10S	XC6503P351JR-G	LVR-IC	TO-252	10aa	LDO, 3.5V±1%, 500mA	M02	05	68eu	VR1	Tor
10T	XC6503P361JR-G	LVR-IC	TO-252	10aa	LDO, 3.6V±1%, 500mA	M02	05	68eu	VR1	Tor
10U	XC6503P371JR-G	LVR-IC	TO-252	10aa	LDO, 3.7V±1%, 500mA	M02	05	68eu	VR1	Tor
10V	XC6503P381JR-G	LVR-IC	TO-252	10aa	LDO, 3.8V±1%, 500mA	M02	05	68eu	VR1	Tor
10X	XC6503P391JR-G	LVR-IC	TO-252	10aa	LDO, 3.9V±1%, 500mA	M02	05	68eu	VR1	Tor
10Y	XC6503P401JR-G	LVR-IC	TO-252	10aa	LDO, 4.0V±1%, 500mA	M02	05	68eu	VR1	Tor
10Z	XC6503P411JR-G	LVR-IC	TO-252	10aa	LDO, 4.1V±1%, 500mA	M02	05	68eu	VR1	Tor
110	XC6503P421JR-G	LVR-IC	TO-252	10aa	LDO, 4.2V±1%, 500mA	M02	05	68eu	VR1	Tor
110A	3PMT110A	TVS	POWERMITE	10aa	Vvm=110V, Vbr=122V, Vcl=177V, 8.4A, 1500W(1ms)	-	-	68dh	-	Msc

SECTION 12
Conventional case drawings. Pin assignment





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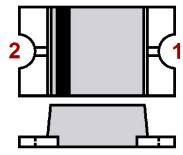

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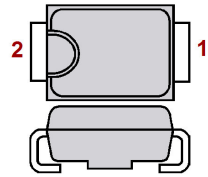

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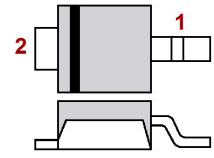

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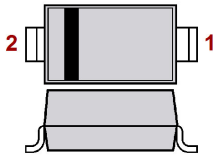

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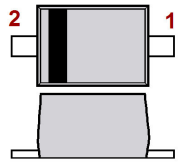

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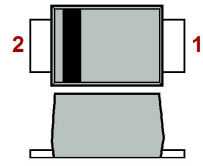

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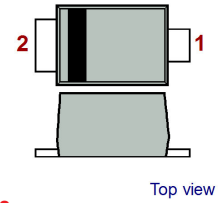

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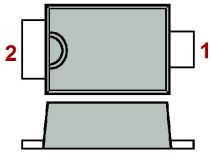

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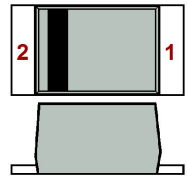

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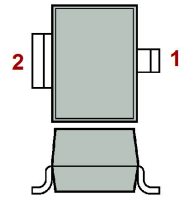

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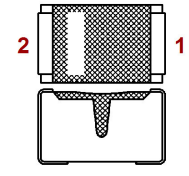

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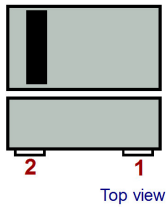

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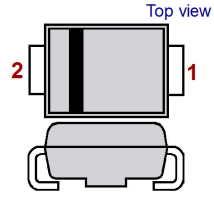

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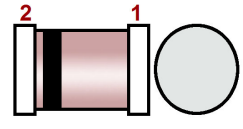

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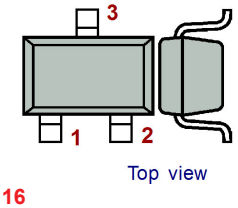

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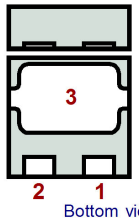

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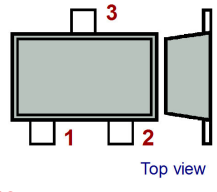

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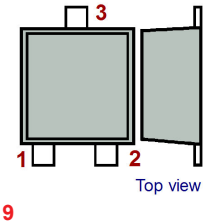

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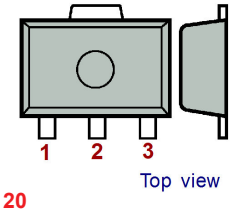

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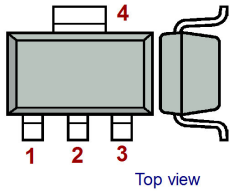

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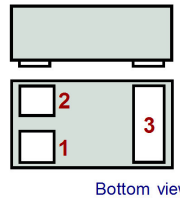

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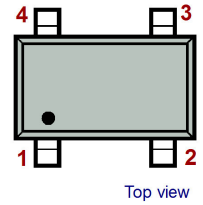

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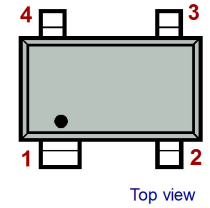

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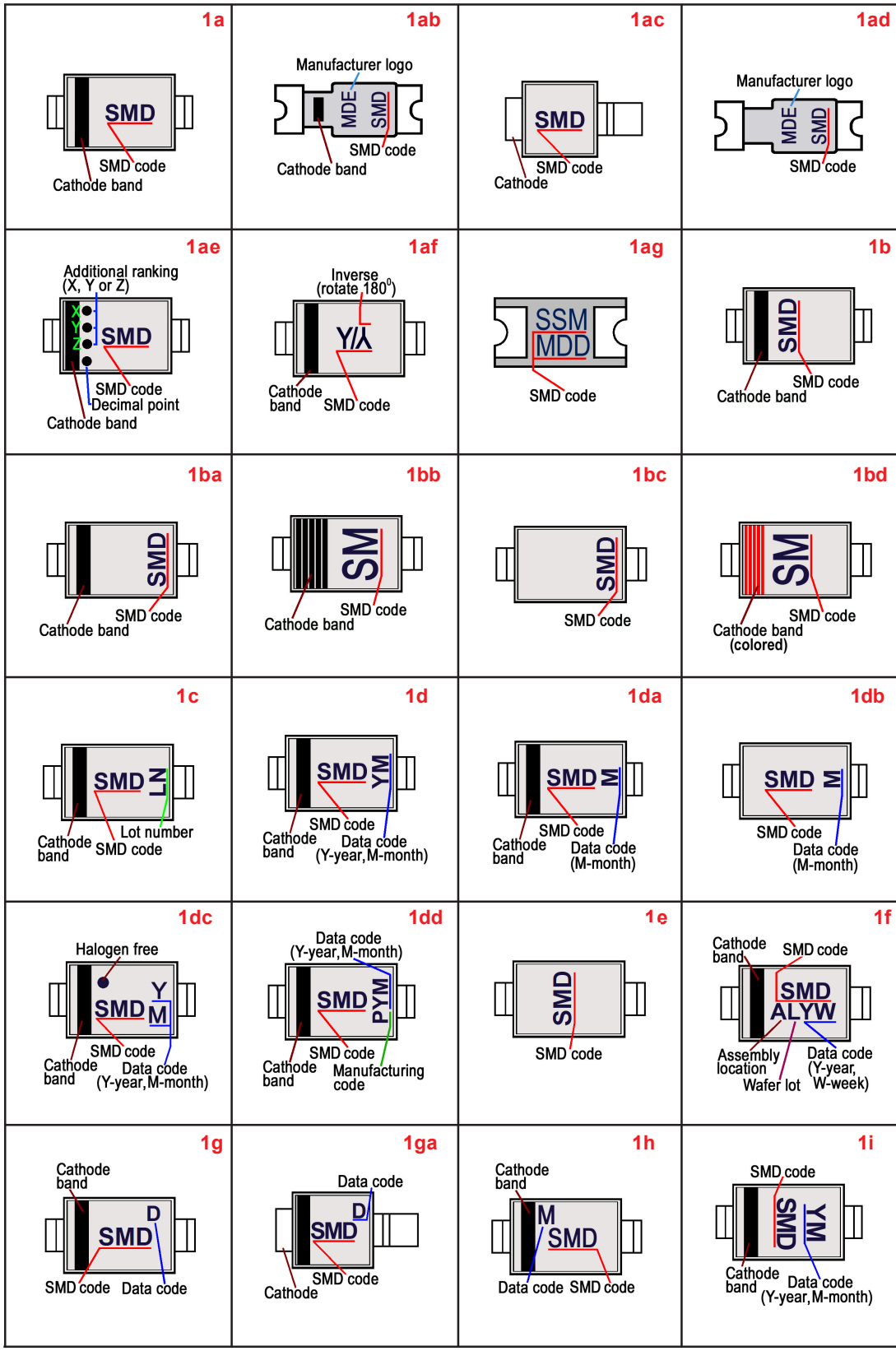
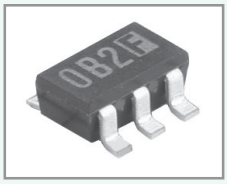
SECTION 13
Pinout (table)

	PIN 1	PIN2	PIN3	PIN4	PIN5	PIN6	PIN7	PIN8
a0	GND	Output	Vcc	+Input	-Input	-	-	-
a1	GND	GND	Input	GND	GND	Vcc/Output	-	-
a2	N/C	Anode	Cathode	N/C	Adjust	-	-	-
a3	CE	GND	Vinput	Voutput	Adjust	N/C	-	-
a4	CE	Vinput	Voutput	Switch	GND	Feedback	-	-
a5(a6)	No data.	See datash.	See sch	-	-	-	-	-
a7	CE	GND	SSC	Vinput	Voutput	-	-	-
a8	Test	GND	Tdet	N/C	Vcc	-	-	-
a9	Tdet	GND	Test	Vcc	-	-	-	-
aa	Input	GND	Vcc/Output	GND	-	-	-	-
aa*	A1=CE/MODE	A3=Voutput	B2=Lx	C1=Vinput	C3=GND	-	-	-
ab	Input	GND	GND	Output	GND	Vcc	-	-
ab*	A1=CE/MODE	A3=Feedback	B2=Lx	C1=Vinput	C3=GND	-	-	-
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	-	-	-	-	-
aeh	Emitter	Emitter	Base	Emitter	Emitter	Collector	-	-
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	Cath.(Anode)	N/C	Cath.(Anode)	Anode(Cath.)	-	-	-	-
ap	Cathode	N/C	Cathode	Anode	-	-	-	-
ar	Contact	Contact	-	-	-	-	-	-
as	Emitter	Emitter	N/C	Base	Collector	Collector	Collector	Collector
at	Cathode	Gate	Anode	-	-	-	-	-
au	CE	SS	Voutput	Vinput	GND	Vbias	-	-
av	Vbias	GND	Vinput	Voutput	SS	CE	-	-
aw	CE	Ilim	Voutput	Vinput	GND	Vbias	-	-
ax	Vbias	GND	Vinput	Voutput	Ilim	CE	-	-
ax*	A1=CE1	A2=Voutput1	B1=GND	B2=Vinput	C1=CE2	C2=Voutput2	-	-
ay*	A1=Voutput2	A2=Vcc	A3=Voutput1	B1=CE2	B2=GND	B3=CE1	-	-
az	Vinput	N/C	Voutput	N/C	N/C	N/C	GND	CE
ba	Anode/Cath.	Anode/Cath.	-	-	-	-	-	-
ba*	A1=GND	A2=Voutput	B1=CE	B2=Vinput	-	-	-	-
bb	Cathode1	Cathode2	Cathode3	Anode3	Anode2	Anode1	-	-
bb*	A1=GND	A2=CE	B1=Voutput	B2=Vinput	-	-	-	-
bc*	A1=Vinput	A2=Voutput	B1=CE	B2=GND	-	-	-	-
bd	Cathode	Cathode	Anode	-	-	-	-	-
bd*	A1=GND	A2=Vcc	B1=Reset	B2=MR	-	-	-	-
be*	A1=CE	A3=Cb	B2=GND	C1=Voutput	C3=Vinput	-	-	-
bf*	A1=Output L	A2=GND	A3=Output R	B1=Input L	B3=Input R	C1=Shutdown	C2=Vcc	C3=Cext
bg	Cathode1	Cathode2	Anode2	N/C	Anode1	-	-	-
bg*	A1=Voutput	A2=Vinput	B1=Adj	B2=CE	C1=GND	C2=Vbias	-	-
bh	Anode1	Comm. Cath.	Anode2	Anode3	Anode4	-	-	-
bh*	A1=GND	A3=CE	B2=Cb	C1=Voutput	C3=Vinput	-	-	-
bi	Anode	Cathode	Anode	Anode	Cathode	Anode	-	-
bj*	A1=Voutput	A2=Vinput	B2=GND	C1=CE	C2= Vbias	-	-	-
bm1	N/C	Cout	Dout	GND	V+	V-	-	-
bm2	V-	V+	GND	Dout	Cout	-	-	-
bn	OVP	Vinput	CE	A GND	N/C	Feedback	Switching	P GND
bp	Cathode	Cathode	Anode	Anode	Cathode	Cathode	-	-
bq	GND	Voutput	L x	-	-	-	-	-
br	GND	Voutput	Ext	-	-	-	-	-
bs	Anode1	Comm. Cath.	Anode2	Comm. Cath.	-	-	-	-
bt	Cathode1	N/C	Cathode2	Com. Anode	-	-	-	-
bu	Anode1	N/C	Anode2	Comm. Cath.	-	-	-	-
bv	Anode1	N/C	Cathode2	Cath.1/An.2	-	-	-	-
bw	Anode1	Com. Cath.	Anode2	Anode3	Com. Cath.	Anode4	-	-

SECTION 14
SMD-code marking style


1a
SMD
SMD code
Cathode band
1ab
Manufacturer logo
MDE
SMD
SMD code
Cathode band
1ac
SMD
SMD code
Cathode
1ad
Manufacturer logo
MDE
SMD
SMD code
1ae
Additional ranking
(X, Y or Z)
X
Y
Z
SMD
SMD code
Decimal point
Cathode band
1af
Inverse
(rotate 180°)
Y/Λ
Cathode
band
SMD code
1ag
SSM
MDD
SMD code
1b
SMD
SMD code
Cathode band
1ba
SMD
SMD code
Cathode band
1bb
SM
SMD code
Cathode band
1bc
SMD
SMD code
1bd
SM
SMD code
Cathode band
(colored)
1c
SMD
LN
Cathode
band
Lot number
SMD code
1d
SMD
YM
SMD code
Cathode
band
Data code
(Y-year,M-month)
1da
SMD
M
SMD code
Cathode
band
Data code
(M-month)
1db
SMD
M
SMD code
Data code
(M-month)
1dc
Halogen free
SMD
Y
M
SMD code
Cathode
band
Data code
(Y-year,M-month)
1dd
Data code
(Y-year,M-month)
SMD
PYM
SMD code
Cathode
band
Manufacturing
code
1e
SMD
SMD code
1f
Cathode
band
SMD code
SMD
ALYW
Assembly
location
Wafer lot
Data code
(Y-year,
W-week)
1g
Cathode
band
D
SMD
SMD code
Data code
1ga
Data code
D
SMD
SMD code
Cathode
1h
Cathode
band
M
SMD
Data code
SMD code
1i
SMD code
SMD
YM
Cathode
band
Data code
(Y-year,M-month)

SECTION 15
SMD-code marking attribute



A02a

A02b

A02c

A02d

A02e

A02f

A02g

A02h

A02i

A02j

A02k

A02m

A02n

A03a

A03b

A03c

A03d

A03e

A03f

A03g

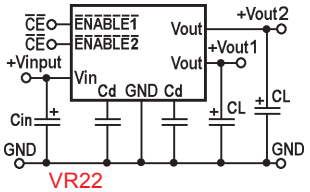
A04a

A04b

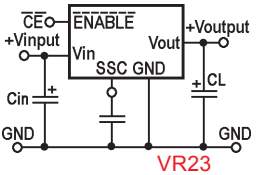
A04c

A04d

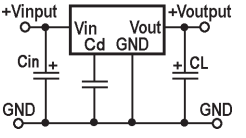
SECTION 16
Sample schematic diagram



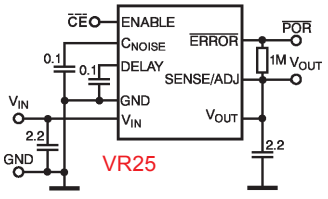
VR22



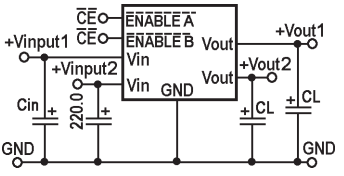
VR23



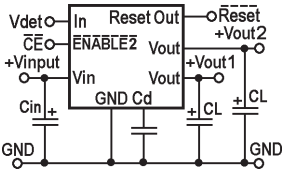
VR24



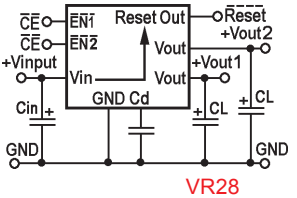
VR25



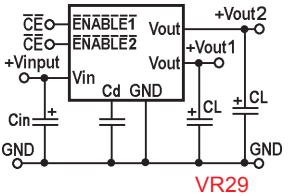
VR26



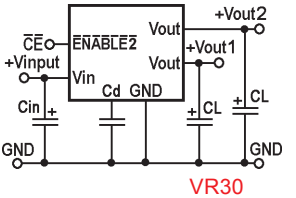
VR27



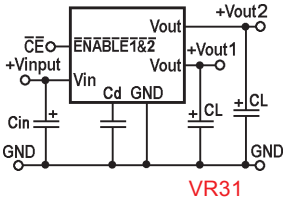
VR28



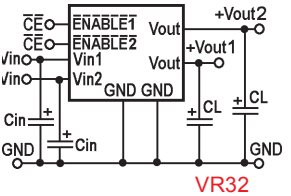
VR29



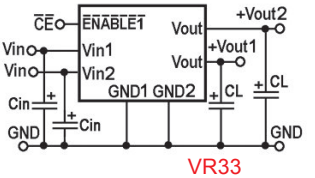
VR30



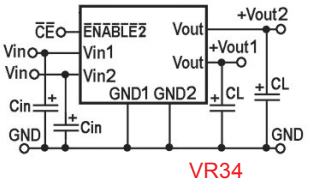
VR31



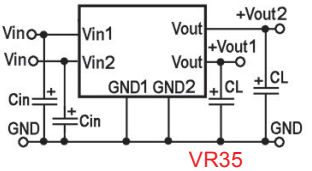
VR32



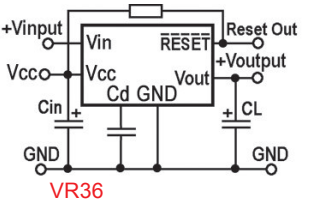
VR33



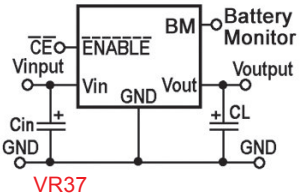
VR34



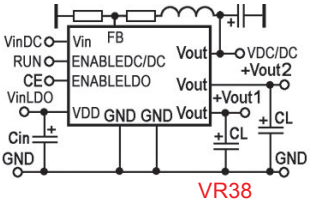
VR35



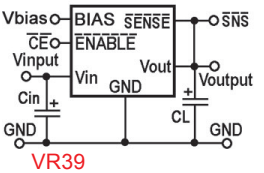
VR36



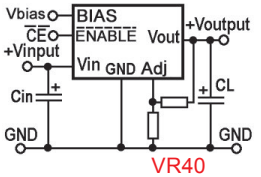
VR37



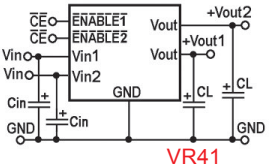
VR38



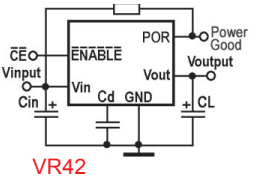
VR39



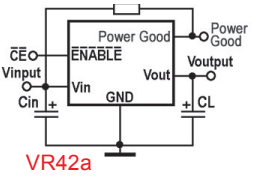
VR40



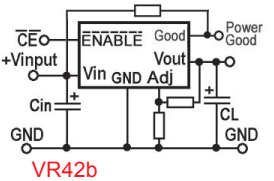
VR41



VR42



VR42a



VR42b

SECTION 17
Additional SMD info

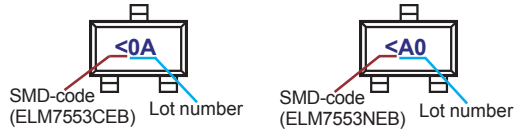
Besides SMD code, manufacturers can place additional information such as internal production lot number, traceability code, data of production, assembly location etc. The adittional info is an arbitral position and arbitral content (depending of the manufacturer) and can be alphanumeris symbol (symbols)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

Below we present some additional info.

Lot number.

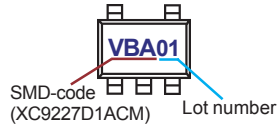
Manufacturer: Elm (ELM Technology Corporation):
Rules 1 (for ODO voltage detectors)
Symbol 1 - A to Z(I, O, X excepted)
Symbol 2 - 0 to 9
Rules 2 (for PPO voltage detectors)
Symbol 1 - 0 to 9
Symbol 2 - A to Z(I, O, X excepted)

Marking example:



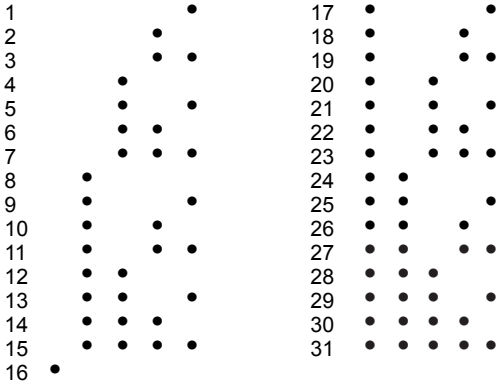
Manufacturer: Tor (Torex Semiconductor LTD):
01~09, 0A~0Z, 11~9Z, A1~A9, AA~AZ, B1~ZZ repeated,
(G, I, J, O, Q, W excluded.) * No character inversion used.

Marking example:

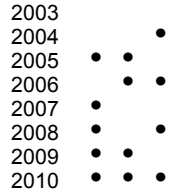


Production data

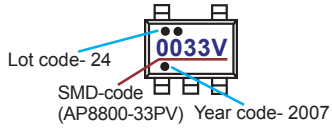
Manufacturer: Anw (Anwell Semiconductor Corp.)
Dot above product code: Lot Code:



Dot under product code: Year Code:



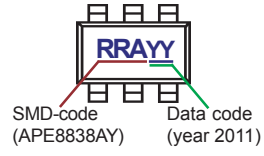
Marking example:



Manufacturer: Ape (Advanced Power Electronics Corp.)

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

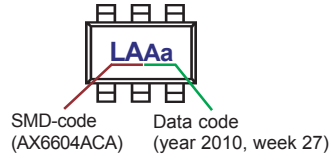
Marking example:



Manufacturer: Axl (AXElite Technology Co., Ltd)

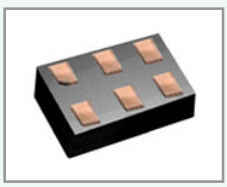
Code	Year	Code	Week
7	2007	A...Z	1...26
8	2008	a...z	27...52
9	2009		
A	2010		
B	2011		
C	2012		

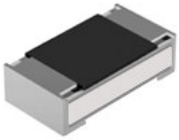
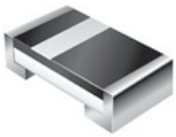
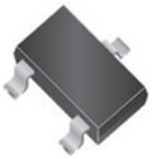
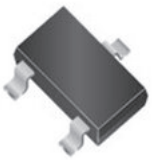
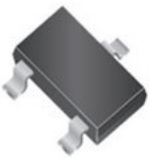
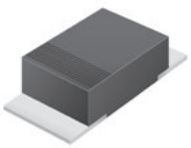
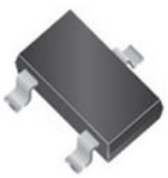
Marking example:



Manufacturer: Di (Diodes Inc.)
Y : Year : 0~9XXX
W : Week : A~Z : 1~26 week; a~z : 27~52 week; z represents 52 and 53 week

SECTION 18
Case drawings



 0402 0503 1005 0603 SOD-723F	 0402S 0805S 0503S 1206S	 0805 1206	 1-1E1A 1-1F1A
 1-1G1A	 1-1G1S	 1-1Q1A	 1-2S1A
 1-2S1B	 1-2S1C	 1-2U1A	 1408
 1607 SMA	 1F 2F 3-4D1A	 1F1A SOD-123	 2025 CP CPH3
 2-1B1A	 2-1E1A	 2-1L1A	 2-2H1A 2-2H1B SC-89-3
 2-2HA1A	 2-2K1A 2-2K1B	 2-2U1A	 2-3JIA 2-3JIB

SECTION 19
Manufacturers logos and URL

Aat- Advanced Analog Technology
http://www.aatech.com.tw/index.aspx

Abl- ABLIC Inc.
https://www.ablicinc.com/en/semicon/

Ad- Analog Devices
http://www.analog.com

Adt- ADDtek
http://www.addmtek.com/Index.htm

Agi- Agilent Technologies
www.semiconductor.agilent.com

Aic- Analog Integrations Corporation
http://www.analog.com.tw

Ali- Alliance Semiconductor
http://www.alsc.com

All- Allegro MicroSystems Inc.
http://www.allegromicro.com

Alt- Aolittel Technology Co., Ltd
http://www.aolittel.com

Ame- AME, Inc.
www.ame.com.tw

Ams- AMOS Technology Limited
http://www.amos-tech.com

Amz- Amazing Microelectronic
http://www.amazingIC.com

Ana- Anachip Corp.
www.anachip.com.tw

Anb- Anbon Semiconductor Co., Ltd.
http://www.anbonsemi.com

Anp- Anpec Electronics Corp.
www.anpec.com.tw

Ans- AnaSem Inc.
http://www.anasem.net/

Ant- Advanced Analogic Technologies, Inc.
http://www.analogictech.com

Anv- Anova Technologies Co. Ltd
http://anova-semi.com/

Anw- Anwell Semiconductor Corp.
http://www.ansc.com.tw/

Aom- Alpha & Omega Semiconductor
http://www.aosmd.com/

Aot- Irico Aotom Holdings Co., Ltd.
http://www.aotom.com

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