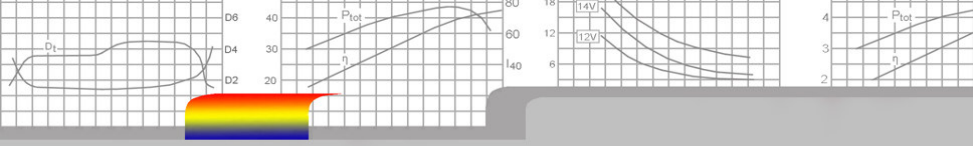

SMD-codes **DATABOOK**

SMD-codes

Active SMD semiconductor components marking codes

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

2019 EDITION

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ELECTRONICS COMPONENTS

Eugeniu Turuta Martin Christian Turuta

Active SMD components marking codes

Toronto, 2019 edition
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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
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
PHEMT	Pseudomorphic high electron mobility transistors
PIN-diode	PIN-diode
SA-Z-diode	Surge Absorption Zener diode
Si-diode	Silicon diode
Si-Varistor	Silicon voltage depending resistor
Si-npn	Silicon npn transistor
Si-n/p	Silicon npn and pnp transistors area
Si-npn-Darl	Silicon npn Darlington transistor
Si-npn-Digi	Silicon npn "digital" transistor
Si-npn-Digi+Di	Silicon npn "digital" transistor with internal diode
Si-pnp	Silicon pnp transistor
Si-pnp-Darl	Silicon pnp Darlington transistor
Si-pnp-Digi	Silicon pnp "digital" transistor
Si-npn-Digi+Di	Silicon pnp "digital" transistor with

	internal diode
SiC-diode	Silicon Carbide diode
SiGe-npn	Silicon/Geramanium npn transistor
Si-Stab	Silicon stabistor
SVR-IC	Switching Voltage Regulator integrated circuit
Tdet-IC	Thermal detector integrated circuit
Thy-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 ("Short description")
Short data or description of function of each type.
Used abbreviations:

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

Column 5 ("Case") Manufacturers case designation (section 18).

Column 6 ("Sch") Sample schematic connection for some ICs. All drawings are placed in the section 16.

Column 7 ("St") "Style" (upercase placement of the SMD-code and additional infomation drawing). All styles are placed in the section 15.

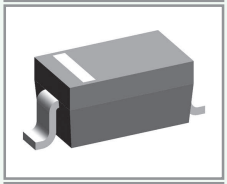
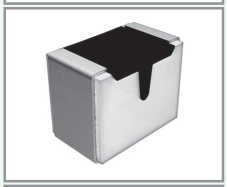
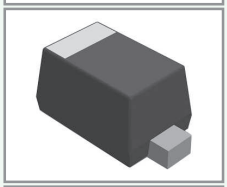
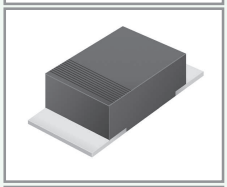
Column 8 ("Atr")
Additional SMD-codes attribute such as subscipt bar, uperscipt bar, reverse symbol and other (section 14).

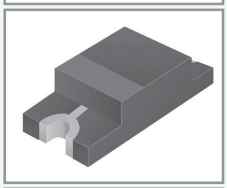
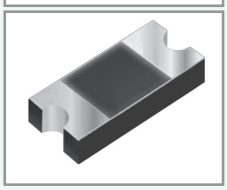
Column 9 ("Ad")
Additional information such as year, month, week or lot number designation (section 17).

Column 10 ("Pin") Related case pin asignments and pinout (section 12, 13).

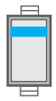
Column 11 ("Mnf")
The names of the manufacturer are abbreviated to save space. The complete name, logos, and URL of each manufacurer is listed alphabetically on section 19.

SECTION 1
2-pin case SMD semiconductor components

SMD code	Type	Function	Short description	Case	St	Atr	Ad	Pin	Mnf
.0	BZX584C5V6-V-G	Z-diode	5.2..6.0V, Izt=5mA, Zzt=40Ω, 200mW	SOD-523	1a	A17	-	6d	Vs
.1	BZX584C22-V-G	Z-diode	20.8..23.3V, Izt=5mA, Zzt=55Ω, 200mW	SOD-523	1a	A58	-	6d	Vs
.1	BZX584C16-V-G	Z-diode	15.3..17.1V, Izt=5mA, Zzt=40Ω, 200mW	SOD-523	1a	A56	-	6d	Vs
.1	BZX584C6V2-V-G	Z-diode	5.8..6.6V, Izt=5mA, Zzt=10Ω, 200mW	SOD-523	1a	A57	-	6d	Vs
.1	BZX584C5V1-V-G	Z-diode	4.8..5.4V, Izt=5mA, Zzt=60Ω, 200mW	SOD-523	1a	A17	-	6d	Vs
.2	BZX584C2V4-V-G	Z-diode	2.2..2.6V, Izt=5mA, Zzt=100Ω, 200mW	SOD-523	1a	A17	-	6d	Vs
.2	BZX584C18-V-G	Z-diode	16.8..19.1V, Izt=5mA, Zzt=45Ω, 200mW	SOD-523	1a	A56	-	6d	Vs
.2	BZX584C6V8-V-G	Z-diode	6.4..7.2V, Izt=5mA, Zzt=15Ω, 200mW	SOD-523	1a	A57	-	6d	Vs
.3	BZX584C2V7-V-G	Z-diode	2.5..2.9V, Izt=5mA, Zzt=100Ω, 200mW	SOD-523	1a	A17	-	6d	Vs
.3	BZX584C7V5-V-G	Z-diode	7.0..7.9V, Izt=5mA, Zzt=15Ω, 200mW	SOD-523	1a	A57	-	6d	Vs
.4	BZX584C20-V-G	Z-diode	18.8..21.2V, Izt=5mA, Zzt=55Ω, 200mW	SOD-523	1a	A56	-	6d	Vs
.4	BZX584C15-V-G	Z-diode	14.3..15.8V, Izt=5mA, Zzt=30Ω, 200mW	SOD-523	1a	A57	-	6d	Vs
.4	BZX584C3V0-V-G	Z-diode	2.8..3.2V, Izt=5mA, Zzt=100Ω, 200mW	SOD-523	1a	A17	-	6d	Vs
.5	BZX584C24-V-G	Z-diode	22.8..25.6V, Izt=5mA, Zzt=70Ω, 200mW	SOD-523	1a	A56	-	6d	Vs
.5	BZX584C13-V-G	Z-diode	12.4..14.1V, Izt=5mA, Zzt=30Ω, 200mW	SOD-523	1a	A57	-	6d	Vs
.5	BZX584C3V3-V-G	Z-diode	3.1..3.5V, Izt=5mA, Zzt=95Ω, 200mW	SOD-523	1a	A17	-	6d	Vs
.6	BZX584C3V6-V-G	Z-diode	3.4..3.8V, Izt=5mA, Zzt=90Ω, 200mW	SOD-523	1a	A17	-	6d	Vs
.7	BZX584C27-V-G	Z-diode	25.1..28.9V, Izt=2mA, Zzt=80Ω, 200mW	SOD-523	1a	A56	-	6d	Vs
.7	BZX584C12-V-G	Z-diode	11.4..12.7V, Izt=5mA, Zzt=25Ω, 200mW	SOD-523	1a	A57	-	6d	Vs
.7	BZX584C3V9-V-G	Z-diode	3.7..4.1V, Izt=5mA, Zzt=90Ω, 200mW	SOD-523	1a	A17	-	6d	Vs
.8	BZX584C4V3-V-G	Z-diode	4.0..4.6V, Izt=5mA, Zzt=90Ω, 200mW	SOD-523	1a	A17	-	6d	Vs
.9	BZX584C4V7-V-G	Z-diode	4.4..5.0V, Izt=5mA, Zzt=80Ω, 200mW	SOD-523	1a	A17	-	6d	Vs
.9	BZX584C33-V-G	Z-diode	31..35V, Izt=2mA, Zzt=80Ω, 200mW	SOD-523	1a	A56	-	6d	Vs
.C3	CZRW5223B-HF	Z-diode	2.57..2.84V, Zzt=30Ω, Izt=20mA, 350mW	SOD-123	1a	A18	-	5d	Cmc
.C5	CZRW5225B-HF	Z-diode	2.85..3.15V, Zzt=30Ω, Izt=20mA, 350mW	SOD-123	1a	A18	-	5d	Cmc
.E1	CZRW5231B-HF	Z-diode	4.85..5.36V, Zzt=17Ω, Izt=20mA, 350mW	SOD-123	1a	A18	-	5d	Cmc
.E2	CZRW5232B-HF	Z-diode	5.32..5.88V, Zzt=11Ω, Izt=20mA, 350mW	SOD-123	1a	A18	-	5d	Cmc
.E3	CZRW5233B-HF	Z-diode	5.70..6.30V, Zzt=7Ω, Izt=20mA, 350mW	SOD-123	1a	A18	-	5d	Cmc
.E4	CZRW5234B-HF	Z-diode	5.89..6.51V, Zzt=7Ω, Izt=20mA, 350mW	SOD-123	1a	A18	-	5d	Cmc
.E5	CZRW5235B-HF	Z-diode	6.46..7.14V, Zzt=5Ω, Izt=20mA, 350mW	SOD-123	1a	A18	-	5d	Cmc
.F1	CZRW5236B-HF	Z-diode	7.13..7.88V, Zzt=6Ω, Izt=20mA, 350mW	SOD-123	1a	A18	-	5d	Cmc
.F2	CZRW5237B-HF	Z-diode	7.79..8.61V, Zzt=8Ω, Izt=20mA, 350mW	SOD-123	1a	A18	-	5d	Cmc
.F3	CZRW5238B-HF	Z-diode	8.27..9.14V, Zzt=8Ω, Izt=20mA, 350mW	SOD-123	1a	A18	-	5d	Cmc
.F4	CZRW5239B-HF	Z-diode	8.65..9.56V, Zzt=10Ω, Izt=20mA, 350mW	SOD-123	1a	A18	-	5d	Cmc
.F5	CZRW5240B-HF	Z-diode	9.50..10.50V, Zzt=17Ω, Izt=20mA, 350mW	SOD-123	1a	A18	-	5d	Cmc
.G1	CZRW5226B-HF	Z-diode	3.14..3.47V, Zzt=28Ω, Izt=20mA, 350mW	SOD-123	1a	A18	-	5d	Cmc
.G2	CZRW5227B-HF	Z-diode	3.42..3.78V, Zzt=24Ω, Izt=20mA, 350mW	SOD-123	1a	A18	-	5d	Cmc
.G3	CZRW5228B-HF	Z-diode	3.71..4.10V, Zzt=23Ω, Izt=20mA, 350mW	SOD-123	1a	A18	-	5d	Cmc
.G4	CZRW5229B-HF	Z-diode	4.09..4.52V, Zzt=22Ω, Izt=20mA, 350mW	SOD-123	1a	A18	-	5d	Cmc
.G5	CZRW5230B-HF	Z-diode	4.47..4.94V, Zzt=19Ω, Izt=20mA, 350mW	SOD-123	1a	A18	-	5d	Cmc
.H1	CZRW5241B-HF	Z-diode	10.45..11.55V, Zzt=22Ω, Izt=20mA, 350mW	SOD-123	1a	A18	-	5d	Cmc
.H2	CZRW5242B-HF	Z-diode	11.40..12.60V, Zzt=30Ω, Izt=20mA, 350mW	SOD-123	1a	A18	-	5d	Cmc
.H3	CZRW5243B-HF	Z-diode	12.35..13.65V, Zzt=13Ω, Izt=9.5mA, 350mW	SOD-123	1a	A18	-	5d	Cmc
.H4	CZRW5244B-HF	Z-diode	13.30..14.70V, Zzt=15Ω, Izt=9.0mA, 350mW	SOD-123	1a	A18	-	5d	Cmc
.H5	CZRW5245B-HF	Z-diode	14.25..15.75V, Zzt=16Ω, Izt=8.5mA, 350mW	SOD-123	1a	A18	-	5d	Cmc
.J1	CZRW5246B-HF	Z-diode	15.20..16.80V, Zzt=17Ω, Izt=7.8mA, 350mW	SOD-123	1a	A18	-	5d	Cmc
.J2	CZRW5247B-HF	Z-diode	16.15..17.85V, Zzt=19Ω, Izt=7.4mA, 350mW	SOD-123	1a	A18	-	5d	Cmc
.J3	CZRW5248B-HF	Z-diode	17.10..18.90V, Zzt=21Ω, Izt=7.0mA, 350mW	SOD-123	1a	A18	-	5d	Cmc
.J5	CZRW5250B-HF	Z-diode	19.0..21.0V, Zzt=25Ω, Izt=6.2mA, 350mW	SOD-123	1a	A18	-	5d	Cmc
.K	BZX584C30-V-G	Z-diode	28..32V, Izt=2mA, Zzt=80Ω, 200mW	SOD-523	1a	A17	-	6d	Vs
.K1	CZRW5251B-HF	Z-diode	20.90..23.10V, Zzt=29Ω, Izt=5.6mA, 350mW	SOD-123	1a	A18	-	5d	Cmc
.K2	CZRW5252B-HF	Z-diode	22.80..25.20V, Zzt=33Ω, Izt=5.2mA, 350mW	SOD-123	1a	A18	-	5d	Cmc
.K4	CZRW5254B-HF	Z-diode	25.65..28.35V, Zzt=41Ω, Izt=5mA, 350mW	SOD-123	1a	A18	-	5d	Cmc
.K5	CZRW5255B-HF	Z-diode	26.60..29.40V, Zzt=44Ω, Izt=4.5mA, 350mW	SOD-123	1a	A18	-	5d	Cmc
.L	BZX584C47-V-G	Z-diode	44..50V, Izt=2mA, Zzt=170Ω, 200mW	SOD-523	1a	A17	-	6d	Vs
.M	BZX584C51-V-G	Z-diode	48..54V, Izt=2mA, Zzt=180Ω, 200mW	SOD-523	1a	A17	-	6d	Vs
.M1	CZRW5256B-HF	Z-diode	28.50..31.50V, Zzt=49Ω, Izt=4.2mA, 350mW	SOD-123	1a	A18	-	5d	Cmc
.P	BZX584C11-V-G	Z-diode	10.4..11.6V, Izt=5mA, Zzt=20Ω, 200mW	SOD-523	1a	A57	-	6d	Vs
.P	BZX584C36-V-G	Z-diode	34..38V, Izt=2mA, Zzt=90Ω, 200mW	SOD-523	1a	A56	-	6d	Vs
.R	BZX584C10-V-G	Z-diode	9.4..10.6V, Izt=5mA, Zzt=20Ω, 200mW	SOD-523	1a	A57	-	6d	Vs
.R	BZX584C39-V-G	Z-diode	37..41V, Izt=2mA, Zzt=130Ω, 200mW	SOD-523	1a	A56	-	6d	Vs
.S	BZX584C9V1-V-G	Z-diode	8.5..9.6V, Izt=5mA, Zzt=15Ω, 200mW	SOD-523	1a	A57	-	6d	Vs
.T	BZX584C8V2-V-G	Z-diode	7.7..8.7V, Izt=5mA, Zzt=15Ω, 200mW	SOD-523	1a	A58	-	6d	Vs
.U	BZX584C43-V-G	Z-diode	40..46V, Izt=2mA, Zzt=150Ω, 200mW	SOD-523	1a	A58	-	6d	Vs
_Z	MM3Z51VB	Z-diode	49.98..52.02V, Zzt=169Ω, Izt=2mA, 200mW	SOD-323FL	1a		-	7d	F
+5	BZX584B3V9	Z-diode	3.82..3.98V, Izt=5mA, Zzt=90Ω, 200mW	SOD-523FL	1a		-	7d	Tac
+5	MM5Z3V9B	Z-diode	3.82..3.98V, Izt=5mA, Zzt=90Ω, 200mW	SOD-523FL	1a		-	7d	Tac
<5	BZX584B75V	Z-diode	73.50..76.50V, Izt=2mA, Zzt=255Ω, 200mW	SOD-523FL	1a		-	7d	Tac
<5	MM5Z75VB	Z-diode	73.50..76.50V, Izt=2mA, Zzt=255Ω, 200mW	SOD-523FL	1a		-	7d	Tac
<Z	MM3Z75VB	Z-diode	73.5..76.50V, Zzt=240Ω, Izt=2mA, 200mW	SOD-323FL	1a		-	7d	F



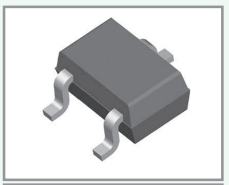
SECTION 2

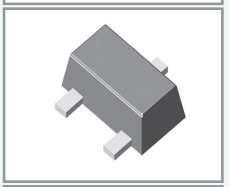
SOD-80 (MELF) case SMD semiconductor components

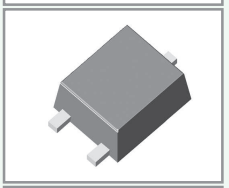
SMD code	Type	Function	Short description	Case	St	Atr	Ad	Pin	Mnf
10A	GLZ10A	Z-diode	9.12..9.59V, Zzt=8 Ω, Izt=20mA, 500mW	SOD-80	2c		-	15d	Pjt
10A	TLZ10A	Z-diode	9.12..9.59V, Izt=20mA, Zzt=8 Ω, 500mW	SOD-80	2c		-	15d	Ttr
10B	GLZ10B	Z-diode	9.41..9.90V, Zzt=8 Ω, Izt=20mA, 500mW	SOD-80	2c		-	15d	Pjt
10B	ZMM10B	Z-diode	9.5..10.5V, Izt=5mA, 500mW	LL-34	2c		-	15d	Lrc
10B	TLZ10B	Z-diode	9.41..9.90V, Izt=20mA, Zzt=8 Ω, 500mW	SOD-80	2c		-	15d	Ttr
10C	GLZ10C	Z-diode	9.70..10.20V, Zzt=8 Ω, Izt=20mA, 500mW	SOD-80	2c		-	15d	Pjt
10C	ZMM10C	Z-diode	9.8..10.2V, Izt=5mA, 500mW	LL-34	2c		-	15d	Lrc
10C	TLZ10C	Z-diode	9.70..10.20V, Izt=20mA, Zzt=8 Ω, 500mW	SOD-80	2c		-	15d	Ttr
10D	GLZ10D	Z-diode	9.94..10.44V, Zzt=8 Ω, Izt=20mA, 500mW	SOD-80	2c		-	15d	Pjt
10D	TLZ10D	Z-diode	9.94..10.44V, Izt=20mA, Zzt=8 Ω, 500mW	SOD-80	2c		-	15d	Ttr
10D	ZMM10D	Z-diode	9.9..10.1V, Izt=5mA, 500mW	LL-34	2c		-	15d	Lrc
11A	TLZ11A	Z-diode	10.18..10.71V, Izt=10mA, Zzt=10 Ω, 500mW	SOD-80	2c		-	15d	Ttr
11A	GLZ11A	Z-diode	10.18..10.71V, Zzt=10 Ω, Izt=10mA, 500mW	SOD-80	2c		-	15d	Pjt
11B	TLZ11B	Z-diode	10.50..11.05V, Izt=10mA, Zzt=10 Ω, 500mW	SOD-80	2c		-	15d	Ttr
11B	ZMM11B	Z-diode	10.45..11.55V, Izt=5mA, 500mW	LL-34	2c		-	15d	Lrc
11B	GLZ11B	Z-diode	10.50..11.05V, Zzt=10 Ω, Izt=10mA, 500mW	SOD-80	2c		-	15d	Pjt
11C	TLZ11C	Z-diode	10.82..11.38V, Izt=10mA, Zzt=10 Ω, 500mW	SOD-80	2c		-	15d	Ttr
11C	ZMM11C	Z-diode	10.78..11.22V, Izt=5mA, 500mW	LL-34	2c		-	15d	Lrc
11C	GLZ11C	Z-diode	10.82..11.38V, Zzt=10 Ω, Izt=10mA, 500mW	SOD-80	2c		-	15d	Pjt
11D	ZMM11D	Z-diode	10.89..11.11V, Izt=5mA, 500mW	LL-34	2c		-	15d	Lrc
12A	TLZ12A	Z-diode	11.13..11.71V, Izt=10mA, Zzt=12 Ω, 500mW	SOD-80	2c		-	15d	Ttr
12A	GLZ12A	Z-diode	11.13..11.71V, Zzt=12 Ω, Izt=10mA, 500mW	SOD-80	2c		-	15d	Pjt
12B	TLZ12B	Z-diode	11.44..12.03V, Izt=10mA, Zzt=12 Ω, 500mW	SOD-80	2c		-	15d	Ttr
12B	ZMM12B	Z-diode	11.4..12.6V, Izt=5mA, 500mW	LL-34	2c		-	15d	Lrc
12B	GLZ12B	Z-diode	11.44..12.03V, Zzt=12 Ω, Izt=10mA, 500mW	SOD-80	2c		-	15d	Pjt
12C	TLZ12C	Z-diode	11.74..12.35V, Izt=10mA, Zzt=12 Ω, 500mW	SOD-80	2c		-	15d	Ttr
12C	ZMM12C	Z-diode	11.76..12.24V, Izt=5mA, 500mW	LL-34	2c		-	15d	Lrc
12C	GLZ12C	Z-diode	11.74..12.35V, Zzt=12 Ω, Izt=10mA, 500mW	SOD-80	2c		-	15d	Pjt
12D	ZMM12D	Z-diode	11.88..12.12V, Izt=5mA, 500mW	LL-34	2c		-	15d	Lrc
13A	TLZ13A	Z-diode	12.11..12.75V, Izt=10mA, Zzt=14 Ω, 500mW	SOD-80	2c		-	15d	Ttr
13A	GLZ13A	Z-diode	12.11..12.75V, Zzt=14 Ω, Izt=10mA, 500mW	SOD-80	2c		-	15d	Pjt
13B	TLZ13B	Z-diode	12.55..13.21V, Izt=10mA, Zzt=14 Ω, 500mW	SOD-80	2c		-	15d	Ttr
13B	ZMM13B	Z-diode	12.35..13.65V, Izt=5mA, 500mW	LL-34	2c		-	15d	Lrc
13B	GLZ13B	Z-diode	12.55..13.21V, Zzt=14 Ω, Izt=10mA, 500mW	SOD-80	2c		-	15d	Pjt
13C	TLZ13C	Z-diode	12.99..13.66V, Izt=10mA, Zzt=14 Ω, 500mW	SOD-80	2c		-	15d	Ttr
13C	ZMM13C	Z-diode	12.74..13.26V, Izt=5mA, 500mW	LL-34	2c		-	15d	Lrc
13C	GLZ13C	Z-diode	12.99..13.66V, Zzt=14 Ω, Izt=10mA, 500mW	SOD-80	2c		-	15d	Pjt
13D	ZMM13D	Z-diode	12.87..13.13V, Izt=5mA, 500mW	LL-34	2c		-	15d	Lrc
15	RKZ15-2KD	Z-diode	14.5..15.1V, Izt=5mA, Zzt=40 Ω, 500mW	LLD	2g	A55	-	15d	Ren
15	RKZ15-3KD	Z-diode	14.9..15.5V, Izt=5mA, Zzt=40 Ω, 500mW	LLD	2g	A54	-	15d	Ren
15	RKZ15-1KD	Z-diode	14.1..14.7V, Izt=5mA, Zzt=40 Ω, 500mW	LLD	2g	A53	-	15d	Ren
15A	TLZ15A	Z-diode	13.44..14.13V, Izt=10mA, Zzt=16 Ω, 500mW	SOD-80	2c		-	15d	Ttr
15A	GLZ15A	Z-diode	13.44..14.13V, Zzt=16 Ω, Izt=10mA, 500mW	SOD-80	2c		-	15d	Pjt
15B	TLZ15B	Z-diode	13.89..14.62V, Izt=10mA, Zzt=16 Ω, 500mW	SOD-80	2c		-	15d	Ttr
15B	ZMM15B	Z-diode	14.25..15.75V, Izt=5mA, 500mW	LL-34	2c		-	15d	Lrc
15B	GLZ15B	Z-diode	13.89..14.62V, Zzt=16 Ω, Izt=10mA, 500mW	SOD-80	2c		-	15d	Pjt
15C	TLZ15C	Z-diode	14.35..15.09V, Izt=10mA, Zzt=16 Ω, 500mW	SOD-80	2c		-	15d	Ttr
15C	ZMM15C	Z-diode	14.7..15.3 5V, Izt=5mA, 500mW	LL-34	2c		-	15d	Lrc
15C	GLZ15C	Z-diode	14.35..15.09V, Zzt=16 Ω, Izt=10mA, 500mW	SOD-80	2c		-	15d	Pjt
15D	ZMM15D	Z-diode	14.85..15.15V, Izt=5mA, 500mW	LL-34	2c		-	15d	Lrc
16	RKZ16-1KD	Z-diode	15.3..15.9V, Izt=5mA, Zzt=45 Ω, 500mW	LLD	2g	A53	-	15d	Ren
16	RKZ16-2KD	Z-diode	15.7..16.5V, Izt=5mA, Zzt=45 Ω, 500mW	LLD	2g	A55	-	15d	Ren
16	RKZ16-3KD	Z-diode	16.3..17.1V, Izt=5mA, Zzt=45 Ω, 500mW	LLD	2g	A54	-	15d	Ren
16A	TLZ16A	Z-diode	14.80..15.57V, Izt=10mA, Zzt=18 Ω, 500mW	SOD-80	2c		-	15d	Ttr
16A	GLZ16A	Z-diode	14.80..15.57V, Zzt=18 Ω, Izt=10mA, 500mW	SOD-80	2c		-	15d	Pjt
16B	TLZ16B	Z-diode	15.25..16.04V, Izt=10mA, Zzt=18 Ω, 500mW	SOD-80	2c		-	15d	Ttr
16B	ZMM16B	Z-diode	15.2..16.8V, Izt=5mA, 500mW	LL-34	2c		-	15d	Lrc
16B	GLZ16B	Z-diode	15.25..16.04V, Zzt=18 Ω, Izt=10mA, 500mW	SOD-80	2c		-	15d	Pjt
16C	TLZ16C	Z-diode	15.69..16.51V, Izt=10mA, Zzt=18 Ω, 500mW	SOD-80	2c		-	15d	Ttr
16C	ZMM16C	Z-diode	15.68..16.32V, Izt=5mA, 500mW	LL-34	2c		-	15d	Lrc
16C	GLZ16C	Z-diode	15.69..16.51V, Zzt=18 Ω, Izt=10mA, 500mW	SOD-80	2c		-	15d	Pjt
16D	ZMM16D	Z-diode	15.84..16.16V, Izt=5mA, 500mW	LL-34	2c		-	15d	Lrc
18	RKZ18-1KD	Z-diode	16.9..17.7V, Izt=5mA, Zzt=55 Ω, 500mW	LLD	2g	A53	-	15d	Ren
18	RKZ18-2KD	Z-diode	17.5..18.3V, Izt=5mA, Zzt=55 Ω, 500mW	LLD	2g	A55	-	15d	Ren
18	RKZ18-3KD	Z-diode	18.1..19.0V, Izt=5mA, Zzt=55 Ω, 500mW	LLD	2g	A54	-	15d	Ren
18A	TLZ18A	Z-diode	16.22..17.06V, Izt=10mA, Zzt=23 Ω, 500mW	SOD-80	2c		-	15d	Ttr
18A	GLZ18A	Z-diode	16.22..17.06V, Zzt=23 Ω, Izt=10mA, 500mW	SOD-80	2c		-	15d	Pjt
18B	TLZ18B	Z-diode	16.82..17.70V, Izt=10mA, Zzt=23 Ω, 500mW	SOD-80	2c		-	15d	Ttr
18B	ZMM18B	Z-diode	17.1..18.9V, Izt=5mA, 500mW	LL-34	2c		-	15d	Lrc
18B	GLZ18B	Z-diode	16.82..17.70V, Zzt=23 Ω, Izt=10mA, 500mW	SOD-80	2c		-	15d	Pjt

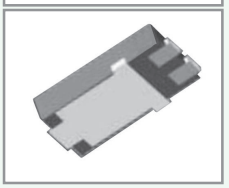
SECTION 3

3-pin case SMD semiconductor components









SMD code	Type	Function	Short description	Case	Sch	St	Atr	Ad	Pin	Mnf
-	ELM7548CEB	Vdet-IC	4.8V±2%, +Reset PPO	SC-70	VD7	3d	B23a	23	16vdb	Elm
-	ELM7548NEB	Vdet-IC	4.8V±2%, +Reset ODO	SC-70	VD6	3d	B23a	06	16vdb	Elm
#	ELM7541CEB	Vdet-IC	4.1V±2%, +Reset PPO	SC-70	VD7	3d	B23a	23	16vdb	Elm
#	ELM7541NEB	Vdet-IC	4.1V±2%, +Reset ODO	SC-70	VD6	3d	B23a	06	16vdb	Elm
*	ELM7546CEB	Vdet-IC	4.6V±2%, +Reset PPO	SC-70	VD7	3d	B23a	23	16vdb	Elm
*	ELM7546NEB	Vdet-IC	4.6V±2%, +Reset ODO	SC-70	VD6	3d	B23a	06	16vdb	Elm
*	ELM7547NEB	Vdet-IC	4.7V±2%, +Reset ODO	SC-70	VD6	3d	B23a	06	16vdb	Elm
.038	MC1038	n-MOSFET	GP, 20V, 750mA, 300mW, 0.24 Ω(600mA), 3.8/252us	SC-89-3		3a		-	16fh	Mep
/	ELM7554CEB	Vdet-IC	5.4V±2%, +Reset PPO	SC-70	VD7	3d	B23a	23	16vdb	Elm
/	ELM7554NEB	Vdet-IC	5.4V±2%, +Reset ODO	SC-70	VD6	3d	B23a	06	16vdb	Elm
+	ELM7547CEB	Vdet-IC	4.7V±2%, +Reset PPO	SC-70	VD7	3d	B23a	23	16vdb	Elm
+FZVC	LM4040CEM3-5.0/V+T	Vref-IC	uPower, Precision, Shunt, 5.00V±0.5%	SOT-23	RF1	3a		-	16dk	Max
+P2	BFR92A	Si-npn	UHF-A-Band, 20V, 25mA, 300mW, B>40, >5GHz	SOT-23		3a		-	16ta	Sil
+P5	BFR92AR	Si-npn	UHF-A-Band, 20V, 25mA, 300mW, B>40, >5GHz	SOT-23		3a		-	16te	Sil
+R2	BFR93A	Si-npn	UHF-A-Band, 15V, 30mA, 300mW, B>40, >5GHz	SOT-23		3a		-	16ta	Sil
+R5	BFR93AR	Si-npn	UHF-A-Band, 15V, 30mA, 300mW, B>40, >5GHz	SOT-23		3a		-	16te	Sil
<	ELM7553CEB	Vdet-IC	5.3V±2%, +Reset PPO	SC-70	VD7	3d	B23a	23	16vdb	Elm
<	ELM7553NEB	Vdet-IC	5.3V±2%, +Reset ODO	SC-70	VD6	3d	B23a	06	16vdb	Elm
=	ELM7544CEB	Vdet-IC	4.4V±2%, +Reset PPO	SC-70	VD7	3d	B23a	23	16vdb	Elm
=	ELM7544NEB	Vdet-IC	4.4V±2%, +Reset ODO	SC-70	VD6	3d	B23a	06	16vdb	Elm
>	ELM7549CEB	Vdet-IC	4.9V±2%, +Reset PPO	SC-70	VD7	3d	B23a	23	16vdb	Elm
>	ELM7549NEB	Vdet-IC	4.9V±2%, +Reset ODO	SC-70	VD6	3d	B23a	06	16vdb	Elm
0	AX6904IA	Vdet-IC	4.25V±1.5%, +Reset PPO	SC-70-3L	VD7	3be		27	16vdb	Axl
0.	ELM7552CEB	Vdet-IC	5.2V±2%, +Reset PPO	SC-70	VD7	3d	B23a	23	16vdb	Elm
0.	ELM7552NEB	Vdet-IC	5.2V±2%, +Reset ODO	SC-70	VD6	3d	B23a	06	16vdb	Elm
00	AP8822C-40GA	Vdet-IC	4.0V±2%, -Reset PPO, 200ms Rt delay, Halogen-free	SOT-23	VD7	3ba	B05e	-	16vdc	Anw
00	AP8822C-40GT	Vdet-IC	4.0V±2%, -Reset PPO, 200ms Rt delay, Halogen-free	SC-70	VD7	3ba	B05e	-	16vdc	Anw
00	AP8822C-40PA	Vdet-IC	4.0V±2%, -Reset PPO, 200ms Rt delay	SOT-23	VD7	3b		-	16vdc	Anw
00	AP8822C-40PT	Vdet-IC	4.0V±2%, -Reset PPO, 200ms Rt delay	SC-70	VD7	3b		-	16vdc	Anw
00	EC95810C40B1N	Vdet-IC	4.0V±2%, -Reset PPO, Td=200ms	SOT-23-3L	VD7	3dd	B38	24	16vdc	Ecm
00	EC95810C40C1N	Vdet-IC	4.0V±2%, -Reset PPO, Td=200ms	SC-70-3L	VD7	3dd	B38	24	16vdc	Ecm
00	ELM7510CBB	Vdet-IC	1.0V±2%,+Reset PPO	SOT-23	VD7	3d	B23	23	16vdb	Elm
00	ELM7510NBB	Vdet-IC	1.0V±2%, +Reset ODO	SOT-23	VD6	3d	B23	06	16vdb	Elm
00	ST7400	n-MOSFET	Sw, 30V, 2.8A, 1.25W, 77 mΩ(2.8A), 2.5/20ns	SOT-323		3bc		-	16fh	Sta
005	SO2484R	Si-npn	AF, LN, 60V, 50mA, 360mW, 100MHz, B>100	SOT-23		3a		-	16te	Ste
01	AP8822C-41GA	Vdet-IC	4.1V±2%, -Reset PPO, 200ms Rt delay, Halogen-free	SOT-23	VD7	3ba	B05e	-	16vdc	Anw
01	AP8822C-41GT	Vdet-IC	4.1V±2%, -Reset PPO, 200ms Rt delay, Halogen-free	SC-70	VD7	3ba	B05e	-	16vdc	Anw
01	AP8822C-41PA	Vdet-IC	4.1V±2%, -Reset PPO, 200ms Rt delay	SOT-23	VD7	3b		-	16vdc	Anw
01	AP8822C-41PT	Vdet-IC	4.1V±2%, -Reset PPO, 200ms Rt delay	SC-70	VD7	3b		-	16vdc	Anw
01	EC95810C41B1N	Vdet-IC	4.1V±2%, -Reset PPO, Td=200ms	SOT-23-3L	VD7	3dd	B38	24	16vdc	Ecm
01	EC95810C41C1N	Vdet-IC	4.1V±2%, -Reset PPO, Td=200ms	SC-70-3L	VD7	3dd	B38	24	16vdc	Ecm
01	ELM7511CBB	Vdet-IC	1.1V±2%,+Reset PPO	SOT-23	VD7	3d	B23	23	16vdb	Elm
01	ELM7511NBB	Vdet-IC	1.1V±2%, +Reset ODO	SOT-23	VD6	3d	B23	06	16vdb	Elm
01	PDTA143EE	Si-pnp-Digi	Sw, 50V, 100mA, 150mW, R1/R2=4.7k/4.7k	SOT-416		3a		-	16ta	Nxp
01	PDTA143EK	Si-pnp-Digi	Sw, 50V, 100mA, 250mW, R1/R2=4.7k/4.7k	SC-59		3a		-	16ta	Nxp
011	SO2369R	Si-npn	Sw, 40V, 200mA, 330mW, B=40..120, 400MHz	SOT-23		3a		-	16te	Zx
012	SO2221R	Si-npn	GP, 60V, 800mA, 500mW, >250MHz, B>20	SOT-23		3a		-	16te	Ste
013	SO2222R	Si-npn	GP, 60V, 800mA, 350mW, B=100..300, >300MHz	SOT-23		3a		-	16te	Ste
018	SO1711R	Si-npn	GP. 75V, 1A, 1W, >70MHz	SOT-23		3a		-	16te	Zx
01A	APR3001-15A	Vdet-IC	1.5V±1.5%, -Reset PPO	SOT-23	VD7	3b		-	16vdb	Anp
01A	RA101C	Si-pnp-Digi	Sw, 50V, 100mA, 200mW, 250MHz, R1/R2=47k/47k	SOT-23		3a		-	16ta	San
01B	APR3001-17A	Vdet-IC	1.75V±1.5%, -Reset PPO	SOT-23	VD7	3b		-	16vdb	Anp
01C	APR3001-23A	Vdet-IC	2.32V±1.5%, -Reset PPO	SOT-23	VD7	3b		-	16vdb	Anp
01C	RC101C	Si-npn-Digi	Sw, 50V, 100mA, 200mW, 250MHz, R1/R2=47k/47k	SOT-23		3a		-	16ta	San
01D	APR3001-26A	Vdet-IC	2.63V±1.5%, -Reset PPO	SOT-23	VD7	3b		-	16vdb	Anp
01E	APR3001-29A	Vdet-IC	2.93V±1.5%, -Reset PPO	SOT-23	VD7	3b		-	16vdb	Anp
01F	APR3001-30A	Vdet-IC	3.08V±1.5%, -Reset PPO	SOT-23	VD7	3b		-	16vdb	Anp
01G	APR3001-39A	Vdet-IC	3.9V±1.5%, -Reset PPO	SOT-23	VD7	3b		-	16vdb	Anp
01H	APR3001-43A	Vdet-IC	4.38V±1.5%, -Reset PPO	SOT-23	VD7	3b		-	16vdb	Anp
01J	APR3001-46A	Vdet-IC	4.63V±1.5%, -Reset PPO	SOT-23	VD7	3b		-	16vdb	Anp
02	2N7002	n-MOSFET	TMOS, 60V, 115mA, 225mW, <7.5 Ω(500mA), 20/40ns	SOT-23		3ba	B19	37	16fh	Frm
02	2N7002	n-MOSFET	TMOS, 60V, 115mA, 225mW, <7.5 Ω(500mA), 20/40ns, Halogen free	SOT-23		3ba	B19a	37	16fh	Frm
02	2N7002	n-MOSFET	TMOS, 60V, 115mA, 225mW, <7.5 Ω(500mA), 20/40ns	SOT-23		3ba	B19b	37	16fh	Sec
02	AP8822C-42GA	Vdet-IC	4.2V±2%, -Reset PPO, 200ms Rt delay, Halogen-free	SOT-23	VD7	3ba	B05e	-	16vdc	Anw
02	AP8822C-42GT	Vdet-IC	4.2V±2%, -Reset PPO, 200ms Rt delay, Halogen-free	SC-70	VD7	3ba	B05e	-	16vdc	Anw
02	AP8822C-42PA	Vdet-IC	4.2V±2%, -Reset PPO, 200ms Rt delay	SOT-23	VD7	3b		-	16vdc	Anw
02	AP8822C-42PT	Vdet-IC	4.2V±2%, -Reset PPO, 200ms Rt delay	SC-70	VD7	3b		-	16vdc	Anw
02	BSX39	Si-npn	Sw, Driver, 45V, 0.2A, <12/18ns	SOT-23		3a		-	16te	Mot
02	EC95810C42B1N	Vdet-IC	4.2V±2%, -Reset PPO, Td=200ms	SOT-23-3L	VD7	3dd	B38	24	16vdc	Ecm
02	EC95810C42C1N	Vdet-IC	4.2V±2%, -Reset PPO, Td=200ms	SC-70-3L	VD7	3dd	B38	24	16vdc	Ecm

SECTION 4

SOT-223 case SMD semiconductor components

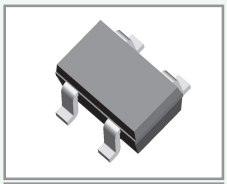
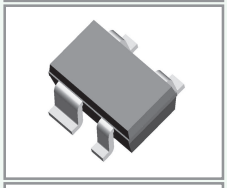
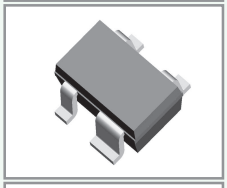
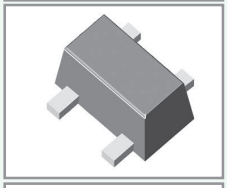
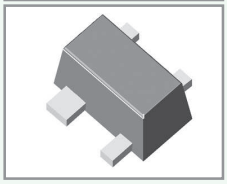
SMD code	Type	Function	Short description	Case	Sch	St	Atr	Ad	Pin	Mnf
01N60C3	SPN01N60C3	n-MOSFET	HV, LogL, 650V, 300mA, 1.8W, 5.5 Ω(500mA), 45/60ns	SOT-223		4k		-	21f2	Inf
02N60C3	SPN02N60C3	n-MOSFET	HV, LogL, 600V, 400mA, 1.8W, 2.0 Ω(1.1A), 6/68ns	SOT-223		4k		-	21f2	Inf
02N60S5	SPN02N60S5	n-MOSFET	HV, LogL, 600V, 400mA, 1.8W, 2.5 Ω(1.1A), 30/110ns	SOT-223		4k		-	21f2	Inf
03N60C3	SPN03N60C3	n-MOSFET	HV, LogL, 650V, 700mA, 1.8W, 1.2 Ω(2A), 7/64ns	SOT-223		4k		-	21f2	Inf
03N60S5	SPN03N60S5	n-MOSFET	HV, LogL, 600V, 700mA, 1.8W, 1.2 Ω(2A), 35/120ns	SOT-223		4k		-	21f2	Inf
0410	SSM0410	n-MOSFET	Sw, 100V, 3.5A, 2.7W, Rds=220mΩ(2.6A), 9/26.8ns	SOT-223		4rb		-	21fi	Sec
04N60S5	SPN04N60S5	n-MOSFET	HV, LogL, 600V, 800mA, 1.8W, 0.8 Ω(2.8A), 40/130ns	SOT-223		4k		-	21f2	Inf
103MN	Z0103MN	Triac	600V, 1A, 1W, Vtm<1.56V, <Igt>3mA	SOT-223		4s		-	21hz	Ons
107MN	Z0107MN	Triac	600V, 1A, 1W, Vtm<1.56V, Igt>5mA	SOT-223		4s		-	21hz	Ons
109MN	Z0109MN	Triac	600V, 1A, 1W, Vtm<1.56V, Igt>10mA	SOT-223		4s		-	21hz	Ons
1116	SL1116VADJ	LVR-IC	LDO, Adjustable 1.25..13.8V, 600mA	SOT-223	VR20	4rb		-	21cn	Sec
111615	SL1116-1.5V	LVR-IC	LDO, 1.5V±1%, 600mA	SOT-223	VR1	4rb		-	21cg	Sec
111618	SL1116-1.8V	LVR-IC	LDO, 1.8V±1%, 600mA	SOT-223	VR1	4rb		-	21cg	Sec
111625	SL1116-2.5V	LVR-IC	LDO, 2.5V±1%, 600mA	SOT-223	VR1	4rb		-	21cg	Sec
111633	SL1116-3.3V	LVR-IC	LDO, 3.3V±1%V	SOT-223	VR1	4rb		-	21cg	Sec
111650	SL1116-5.0V	LVR-IC	LDO, 5.0V±1%, 600mA	SOT-223	VR1	4rb		-	21cg	Sec
1117	LT1117CST	LVR-IC	LDO, Adjustable 1.5..15V, 800mA	SOT-223	VR20	4r		-	21wc	Ltc
11172	LT1117CST-2.85	LVR-IC	LDO, 2.85V±1%V, 800mA	SOT-223	VR1	4r		-	21wb	Ltc
11173	LT1117CST-3.3	LVR-IC	LDO, 3.3V±1%, 800mA	SOT-223	VR1	4r		-	21wb	Ltc
11175	LT1117CST-5	LVR-IC	LDO, 5.0V±1%, 800mA	SOT-223	VR1	4r		-	21wb	Ltc
1117C1.2	LM1117S-1.2V	LVR-IC	LDO, 1.2V±1%, 1A	SOT-223	VR1	4r		-	21cg	Htc
1117C1.5	LM1117S-1.5V	LVR-IC	LDO, 1.5V±1%, 1A	SOT-223	VR1	4r		-	21cg	Htc
1117C1.8	LM1117S-1.8V	LVR-IC	LDO, 1.8V±1%, 1A	SOT-223	VR1	4r		-	21cg	Htc
1117C2.5	LM1117S-2.5V	LVR-IC	LDO, 2.5V±1%, 1A	SOT-223	VR1	4r		-	21cg	Htc
1117C2.85	LM1117S-2.85V	LVR-IC	LDO, 2.85V±1%, 1A	SOT-223	VR1	4r		-	21cg	Htc
1117C3.3	LM1117S-3.3V	LVR-IC	LDO, 3.3V±1%, 1A	SOT-223	VR1	4r		-	21cg	Htc
1117C5.0	LM1117S-5.0V	LVR-IC	LDO, 5.0V±1%, 1A	SOT-223	VR1	4r		-	21cg	Htc
1117CADJ	LM1117S-ADJ	LVR-IC	LDO, Adjustable 1.25..13.8V, 1A	SOT-223	VR20	4r		-	21cn	Htc
1117GC1.2	LM1117GS-1.2V	LVR-IC	LDO, 1.2V±1%, 1A	SOT-223	VR1	4r		-	21cg	Htc
1117GC1.5	LM1117GS-1.5V	LVR-IC	LDO, 1.5V±1%, 1A	SOT-223	VR1	4r		-	21cg	Htc
1117GC1.8	LM1117GS-1.8V	LVR-IC	LDO, 1.8V±1%, 1A	SOT-223	VR1	4r		-	21cg	Htc
1117GC2.5	LM1117GS-2.5V	LVR-IC	LDO, 2.5V±1%, 1A	SOT-223	VR1	4r		-	21cg	Htc
1117GC2.85	LM1117GS-2.85V	LVR-IC	LDO, 2.85V±1%, 1A	SOT-223	VR1	4r		-	21cg	Htc
1117GC3.3	LM1117GS-3.3V	LVR-IC	LDO, 3.3V±1%, 1A	SOT-223	VR1	4r		-	21cg	Htc
1117GC5.0	LM1117GS-5.0V	LVR-IC	LDO, 5.0V±1%, 1A	SOT-223	VR1	4r		-	21cg	Htc
1117GCADJ	LM1117GS-ADJ	LVR-IC	LDO, Adjustable 1.25..13.8V, 1A	SOT-223	VR20	4r		-	21cn	Htc
1117Q1.2	LM1117QS-1.2V	LVR-IC	LDO, 1.2V±1%, 1A	SOT-223	VR1	4r		-	21cg	Htc
1117Q1.5	LM1117QS-1.5V	LVR-IC	LDO, 1.5V±1%, 1A	SOT-223	VR1	4r		-	21cg	Htc
1117Q1.8	LM1117QS-1.8V	LVR-IC	LDO, 1.8V±1%, 1A	SOT-223	VR1	4r		-	21cg	Htc
1117Q2.5	LM1117QS-2.5V	LVR-IC	LDO, 2.5V±1%, 1A	SOT-223	VR1	4r		-	21cg	Htc
1117Q2.85	LM1117QS-2.85V	LVR-IC	LDO, 2.85V±1%, 1A	SOT-223	VR1	4r		-	21cg	Htc
1117Q3.3	LM1117QS-3.3V	LVR-IC	LDO, 3.3V±1%, 1A	SOT-223	VR1	4r		-	21cg	Htc
1117Q5.0	LM1117QS-5.0V	LVR-IC	LDO, 5.0V±1%, 1A	SOT-223	VR1	4r		-	21cg	Htc
1117QADJ	LM1117QS-ADJ	LVR-IC	LDO, Adjustable 1.25..13.8V, 1A	SOT-223	VR20	4r		-	21cn	Htc
1118	SL1118ADJ	LVR-IC	LDO, Adjustable 0.8..5.0V±2%, 800mA	SOT-223	VR20	4rb		-	21cn	Sec
111815	SL1118-1.5	LVR-IC	LDO, 1.5V±2%, 800mA	SOT-223	VR1	4rb		-	21cg	Sec
111818	SL1118-1.8	LVR-IC	LDO, 1.8V±2%, 800mA	SOT-223	VR1	4rb		-	21cg	Sec
111825	SL1118-2.5	LVR-IC	LDO, 2.5V±2%, 800mA	SOT-223	VR1	4rb		-	21cg	Sec
111833	SL1118-3.3	LVR-IC	LDO, 3.3V±2%, 800mA	SOT-223	VR1	4rb		-	21cg	Sec
111850	SL1118-5.0	LVR-IC	LDO, 5.0V±2%, 800mA	SOT-223	VR1	4rb		-	21cg	Sec
117-2	NCP1117ST20T3	LVR-IC	LDO, 2.0V±1%, 800mA	SOT-223	VR1	4s		-	21wb	Ons
117-2V	NCV1117ST20T3	LVR-IC	LDO, 2.0V±1%, 800mA	SOT-223	VR1	4s		-	21wb	Ons
117-5	NCP1117ST50T3	LVR-IC	LDO, 5.0V±1%, 800mA	SOT-223	VR1	4s		-	21wb	Ons
117-5V	NCV1117ST50T3	LVR-IC	LDO, 5.0V±1%, 800mA	SOT-223	VR1	4s		-	21wb	Ons
117-A	NCP1117STAT3	LVR-IC	LDO, Adjustable 2..12V, 800mA	SOT-223	VR20	4s		-	21wc	Ons
117-AV	NCV1117STAT3	LVR-IC	LDO, Adjustable 2..12V, 800mA	SOT-223	VR20	4s		-	21wc	Ons
157	PZT157	Si-pnp	AF, Sw, 80V, 3A, 2W, B=100..300, 140MHz	SOT-223		4rb		-	21tm	Sec
158	PZT158	Si-npn	AF, Sw, 150V, 3A, 3W, B=100..300, 130MHz	SOT-223		4rb		-	21tm	Sec
159	PZT159	Si-pnp	AF, Sw, 100V, 5A, 3W, B=100..300, 120MHz	SOT-223		4rb		-	21tm	Sec
160-25	AP160-25E	LVR-IC	LDO, 2.5V±1.5%, 600mA	SOT-223	VR1	4md		04	21eu	Ana
160-25ER	AP160-25ER	LVR-IC	LDO, 2.5V±1.5%, 600mA	SOT-223	VR1	4md		04	21cg	Ana
160-33	AP160-33E	LVR-IC	LDO, 3.3V±1.5%, 600mA	SOT-223	VR1	4md		04	21eu	Ana
160-33ER	AP160-33ER	LVR-IC	LDO, 3.3V±1.5%, 600mA	SOT-223	VR1	4md		04	21cg	Ana
17-12	NCP1117ST12T3	LVR-IC	LDO, 12V±1%, 800mA	SOT-223	VR1	4s		-	21wb	Ons
17-12V	NCV1117ST12T3	LVR-IC	LDO, 12V±1%, 800mA	SOT-223	VR1	4s		-	21wb	Ons
17-15	NCP1117ST15T3	LVR-IC	LDO, 1.5V±1%, 800mA	SOT-223	VR1	4s		-	21wb	Ons
17-15V	NCV1117ST15T3	LVR-IC	LDO, 1.5V±1%, 800mA	SOT-223	VR1	4s		-	21wb	Ons
17-18	NCP1117ST18T3	LVR-IC	LDO, 1.8V±1%, 800mA	SOT-223	VR1	4s		-	21wb	Ons
17-18V	NCV1117ST18T3	LVR-IC	LDO, 1.8V±1%, 800mA	SOT-223	VR1	4s		-	21wb	Ons
17-25	NCP1117ST25T3	LVR-IC	LDO, 2.5V±1%, 800mA	SOT-223	VR1	4s		-	21wb	Ons

SECTION 5

SOT-89 case SMD semiconductor components

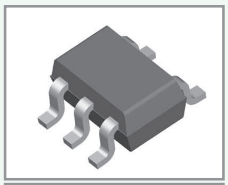
SMD code	Type	Function	Short description	Case	Sch	St	Atr	Ad	Pin	Mnf
000	ELM85101A	LVR-IC	LDO, 1.0V±2%, 800mA	SOT-89	VR1	4c		-	20vl	Elm
008	ELM85081A	LVR-IC	LDO, 0.8V±2%, 800mA	SOT-89	VR1	4c		-	20vl	Elm
009	ELM85091A	LVR-IC	LDO, 0.9±2%, 800mA	SOT-89	VR1	4c		-	20vl	Elm
00A	ELM85111A	LVR-IC	LDO, 1.1V±2%, 800mA	SOT-89	VR1	4c		-	20vl	Elm
00B	ELM85121A	LVR-IC	LDO, 1.2V±2%, 800mA	SOT-89	VR1	4c		-	20vl	Elm
00C	ELM85131A	LVR-IC	LDO, 1.3V±2%, 800mA	SOT-89	VR1	4c		-	20vl	Elm
00D	ELM85141A	LVR-IC	LDO, 1.4V±2%, 800mA	SOT-89	VR1	4c		-	20vl	Elm
00E	ELM85151A	LVR-IC	LDO, 1.5V±2%, 800mA	SOT-89	VR1	4c		-	20vl	Elm
00F	ELM85161A	LVR-IC	LDO, 1.6V±2%, 800mA	SOT-89	VR1	4c		-	20vl	Elm
00G	ELM85171A	LVR-IC	LDO, 1.7V±2%, 800mA	SOT-89	VR1	4c		-	20vl	Elm
00H	ELM85181A	LVR-IC	LDO, 1.8V±2%, 800mA	SOT-89	VR1	4c		-	20vl	Elm
00J	ELM85191A	LVR-IC	LDO, 1.9V±2%, 800mA	SOT-89	VR1	4c		-	20vl	Elm
00K	ELM85201A	LVR-IC	LDO, 2.0V±2%, 800mA	SOT-89	VR1	4c		-	20vl	Elm
00L	ELM85211A	LVR-IC	LDO, 2.1V±2%, 800mA	SOT-89	VR1	4c		-	20vl	Elm
00M	ELM85221A	LVR-IC	LDO, 2.2V±2%, 800mA	SOT-89	VR1	4c		-	20vl	Elm
00N	ELM85231A	LVR-IC	LDO, 2.3V±2%, 800mA	SOT-89	VR1	4c		-	20vl	Elm
00P	ELM85241A	LVR-IC	LDO, 2.4V±2%, 800mA	SOT-89	VR1	4c		-	20vl	Elm
00Q	ELM85251A	LVR-IC	LDO, 2.5V±2%, 800mA	SOT-89	VR1	4c		-	20vl	Elm
00R	ELM85261A	LVR-IC	LDO, 2.6V±2%, 800mA	SOT-89	VR1	4c		-	20vl	Elm
00S	ELM85271A	LVR-IC	LDO, 2.7V±2%, 800mA	SOT-89	VR1	4c		-	20vl	Elm
00T	ELM85281A	LVR-IC	LDO, 2.8V±2%, 800mA	SOT-89	VR1	4c		-	20vl	Elm
00U	ELM85291A	LVR-IC	LDO, 2.9V±2%, 800mA	SOT-89	VR1	4c		-	20vl	Elm
00V	ELM85301A	LVR-IC	LDO, 3.0V±2%, 800mA	SOT-89	VR1	4c		-	20vl	Elm
01	Gali-1	MMIC	RF amplifier, DC..8GHz, 11dB (50 Ω)	SOT-89	A1	4b		-	20aa	Mc
010	ELM85401A	LVR-IC	LDO, 4.0V±2%, 800mA	SOT-89	VR1	4c		-	20vl	Elm
011	ELM85311A	LVR-IC	LDO, 3.1V±2%, 800mA	SOT-89	VR1	4c		-	20vl	Elm
012	ELM85321A	LVR-IC	LDO, 3.2V±2%, 800mA	SOT-89	VR1	4c		-	20vl	Elm
013	ELM85331A	LVR-IC	LDO, 3.3V±2%, 800mA	SOT-89	VR1	4c		-	20vl	Elm
014	ELM85341A	LVR-IC	LDO, 3.4V±2%, 800mA	SOT-89	VR1	4c		-	20vl	Elm
015	ELM85351A	LVR-IC	LDO, 3.5V±2%, 800mA	SOT-89	VR1	4c		-	20vl	Elm
016	ELM85361A	LVR-IC	LDO, 3.6V±2%, 800mA	SOT-89	VR1	4c		-	20vl	Elm
017	ELM85371A	LVR-IC	LDO, 3.7V±2%, 800mA	SOT-89	VR1	4c		-	20vl	Elm
018	ELM85381A	LVR-IC	LDO, 3.8V±2%, 800mA	SOT-89	VR1	4c		-	20vl	Elm
019	ELM85391A	LVR-IC	LDO, 3.9V±2%, 800mA	SOT-89	VR1	4c		-	20vl	Elm
01A	ELM85411A	LVR-IC	LDO, 4.1V±2%, 800mA	SOT-89	VR1	4c		-	20vl	Elm
01B	ELM85421A	LVR-IC	LDO, 4.2V±2%, 800mA	SOT-89	VR1	4c		-	20vl	Elm
01C	ELM85431A	LVR-IC	LDO, 4.3V±2%, 800mA	SOT-89	VR1	4c		-	20vl	Elm
01D	ELM85441A	LVR-IC	LDO, 4.4V±2%, 800mA	SOT-89	VR1	4c		-	20vl	Elm
01E	ELM85451A	LVR-IC	LDO, 4.5V±2%, 800mA	SOT-89	VR1	4c		-	20vl	Elm
01F	ELM85461A	LVR-IC	LDO, 4.6V±2%, 800mA	SOT-89	VR1	4c		-	20vl	Elm
01G	ELM85471A	LVR-IC	LDO, 4.7V±2%, 800mA	SOT-89	VR1	4c		-	20vl	Elm
01H	ELM85481A	LVR-IC	LDO, 4.8V±2%, 800mA	SOT-89	VR1	4c		-	20vl	Elm
01J	ELM85491A	LVR-IC	LDO, 4.9V±2%, 800mA	SOT-89	VR1	4c		-	20vl	Elm
01K	ELM85501A	LVR-IC	LDO, 5.0V±2%, 800mA	SOT-89	VR1	4c		-	20vl	Elm
02	Gali-2	MMIC	RF amplifier, DC..8GHz, 15.1dB (50 Ω)	SOT-89	A1	4b		-	20aa	Mc
03	Gali-3	MMIC	RF amplifier, DC..3GHz, 15.8dB (50 Ω)	SOT-89	A1	4b		-	20aa	Mc
04	Gali-4	MMIC	RF amplifier, DC..4GHz, 13.1dB (50 Ω)	SOT-89	A1	4b		-	20aa	Mc
047	FCX1047A	Si-npn	Hi-beta, Lo-sat, 35V, 4A, 2W, B=450..1200, 150MHz	SOT-89		4b		-	20tb	Zx
04F	Gali-4F	MMIC	RF amplifier, DC..4GHz, 13.2dB (50 Ω)	SOT-89	A1	4b		-	20aa	Mc
05	Gali-5	MMIC	RF amplifier, DC..4GHz, 15.1dB (50 Ω)	SOT-89	A1	4b		-	20aa	Mc
051	FCX1051A	Si-npn	Hi-beta, Lo-sat, 150V, 3A, 2W, B=450..1200, 155MHz	SOT-89		4b		-	20tb	Zx
053	FCX1053A	Si-npn	Hi-beta, Lo-sat, 150V, 3A, 1W, B=100..1200, 140MHz	SOT-89		4b		-	20tb	Zx
05F	Gali-5F	MMIC	RF amplifier, DC..4GHz, 15.1dB (50 Ω)	SOT-89	A1	4b		-	20aa	Mc
06	Gali-6	MMIC	RF amplifier, DC..4GHz, 12.3dB (50 Ω)	SOT-89	A1	4b		-	20aa	Mc
06F	Gali-6F	MMIC	RF amplifier, DC..4GHz, 12.3dB (50 Ω)	SOT-89	A1	4b		-	20aa	Mc
09	ELM9709NAB	Vdet-IC	0.9V±2.5%, +Reset ODO	SOT-89	VD6	4a		-	20vda	Elm
095	AP6209-12GL	LVR-IC	LDO, 1.2V±2%, 250mA, Halogen-free	SOT-89	VR1	4pa		-	20vl	Anw
095	AP6209-12PL	LVR-IC	LDO, 1.2V±2%, 250mA	SOT-89	VR1	4pa		-	20vl	Anw
098	AP6209-15PL	LVR-IC	LDO, 1.5V±2%, 250mA	SOT-89	VR1	4pa		-	20vl	Anw
098	AP6209-15GL	LVR-IC	LDO, 1.5V±2%, 250mA, Halogen-free	SOT-89	VR1	4pa		-	20vl	Anw
09A	AP6209-18GL	LVR-IC	LDO, 1.8V±2%, 250mA, Halogen-free	SOT-89	VR1	4pa		-	20vl	Anw
09A	AP6209-18PL	LVR-IC	LDO, 1.8V±2%, 250mA	SOT-89	VR1	4pa		-	20vl	Anw
09B	AP6209-BBPL	LVR-IC	LDO, 1.85V±2%, 250mA	SOT-89	VR1	4pa		-	20vl	Anw
09B	AP6209-BBGL	LVR-IC	LDO, 1.85V±2%, 250mA, Halogen-free	SOT-89	VR1	4pa		-	20vl	Anw
09D	AP6209-20GL	LVR-IC	LDO, 2.0V±2%, 250mA, Halogen-free	SOT-89	VR1	4pa		-	20vl	Anw
09D	AP6209-20PL	LVR-IC	LDO, 2.0V±2%, 250mA	SOT-89	VR1	4pa		-	20vl	Anw
09E	AP6209-22PL	LVR-IC	LDO, 2.2V±2%, 250mA	SOT-89	VR1	4pa		-	20vl	Anw
09E	AP6209-22GL	LVR-IC	LDO, 2.2V±2%, 250mA, Halogen-free	SOT-89	VR1	4pa		-	20vl	Anw
09G	AP6209-25GL	LVR-IC	LDO, 2.5V±2%, 250mA, Halogen-free	SOT-89	VR1	4pa		-	20vl	Anw
09G	AP6209-25PL	LVR-IC	LDO, 2.5V±2%, 250mA	SOT-89	VR1	4pa		-	20vl	Anw

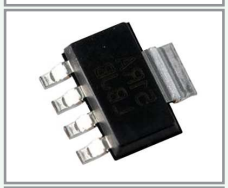
SECTION 6
4-pin case SMD semiconductor components

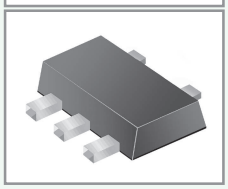






SMD code	Type	Function	Short description	Case	Sch	St	Atr	Ad	Pin	Mnf
-	ELM7548NCB	Vdet-IC	4.8V±2%, +Reset ODO	SC-82AB	VD6	5ca	D09	06	26vdl	Elm
-	ELM7548CCB	Vdet-IC	4.8V±2%, +Reset PPO	SC-82AB	VD7	5ca	D09	23	26vdl	Elm
#	ELM7541CCB	Vdet-IC	4.1V±2%, +Reset PPO	SC-82AB	VD7	5ca	D09	23	26vdl	Elm
#	ELM7541NCB	Vdet-IC	4.1V±2%, +Reset ODO	SC-82AB	VD6	5ca	D09	06	26vdl	Elm
%	ELM7543NCB	Vdet-IC	4.3V±2%, +Reset ODO	SC-82AB	VD6	5ca	D09	06	26vdl	Elm
%	ELM7543CCB	Vdet-IC	4.3V±2%, +Reset PPO	SC-82AB	VD7	5ca	D09	23	26vdl	Elm
%MY	BF1100	n-MOSFET	Dual gate, VHF, UHF, 14V, 30mA, 200mW	SOT-143		5h		-	24fd	Phi
%MZ	BF1100R	n-MOSFET	Dual gate, VHF, UHF, 14V, 30mA, 200mW	SOT-143R		5h		-	26fm	Phi
*	ELM7513NCB	Vdet-IC	1.3V±2%, +Reset ODO	SC-82AB	VD6	5ca	D09	06	26vdl	Elm
*	ELM7513CCB	Vdet-IC	1.3V±2%,+Reset PPO	SC-82AB	VD7	5ca	D09	23	26vdl	Elm
/	ELM7554NCB	Vdet-IC	5.4V±2%, +Reset ODO	SC-82AB	VD6	5ca	D09	06	26vdl	Elm
/	ELM7554CCB	Vdet-IC	5.4V±2%, +Reset PPO	SC-82AB	VD7	5ca	D09	23	26vdl	Elm
?	ELM7517NCB	Vdet-IC	1.7V±2%, +Reset ODO	SC-82AB	VD6	5ca	D09	06	26vdl	Elm
?	ELM7517CCB	Vdet-IC	1.7V±2%,+Reset PPO	SC-82AB	VD7	5ca	D09	23	26vdl	Elm
?	ELM7546NCB	Vdet-IC	4.6V±2%, +Reset ODO	SC-82AB	VD6	5ca	D09	06	26vdl	Elm
?	ELM7552NCB	Vdet-IC	5.2V±2%, +Reset ODO	SC-82AB	VD6	5ca	D09	06	26vdl	Elm
?	ELM7552CCB	Vdet-IC	5.2V±2%, +Reset PPO	SC-82AB	VD7	5ca	D09	23	26vdl	Elm
?	ELM7551NCB	Vdet-IC	5.1V±2%, +Reset ODO	SC-82AB	VD6	5ca	D09	06	26vdl	Elm
?	ELM7546CCB	Vdet-IC	4.6V±2%, +Reset PPO	SC-82AB	VD7	5ca	D09	23	26vdl	Elm
?	ELM7551CCB	Vdet-IC	5.1V±2%, +Reset PPO	SC-82AB	VD7	5ca	D09	23	26vdl	Elm
+	ELM7547NCB	Vdet-IC	4.7V±2%, +Reset ODO	SC-82AB	VD6	5ca	D09	06	26vdl	Elm
+	ELM7547CCB	Vdet-IC	4.7V±2%, +Reset PPO	SC-82AB	VD7	5ca	D09	23	26vdl	Elm
<	ELM7553NCB	Vdet-IC	5.3V±2%, +Reset ODO	SC-82AB	VD6	5ca	D09	06	26vdl	Elm
<	ELM7553CCB	Vdet-IC	5.3V±2%, +Reset PPO	SC-82AB	VD7	5ca	D09	23	26vdl	Elm
=	ELM7544NCB	Vdet-IC	4.4V±2%, +Reset ODO	SC-82AB	VD6	5ca	D09	06	26vdl	Elm
=	ELM7544CCB	Vdet-IC	4.4V±2%, +Reset PPO	SC-82AB	VD7	5ca	D09	23	26vdl	Elm
>	ELM7549NCB	Vdet-IC	4.9V±2%, +Reset ODO	SC-82AB	VD6	5ca	D09	06	26vdl	Elm
>	ELM7549CCB	Vdet-IC	4.9V±2%, +Reset PPO	SC-82AB	VD7	5ca	D09	23	26vdl	Elm
0	ELM7509CCB	Vdet-IC	0.9V±2%,+Reset PPO	SC-82AB	VD7	5ca	D09	23	26vdl	Elm
0	ELM7509NCB	Vdet-IC	0.9V±2%, +Reset ODO	SC-82AB	VD6	5ca	D09	06	26vdl	Elm
00	EC95810C40C7I	Vdet-IC	4.0V±2%, -Reset PPO, Td=200ms	SC-82-4L	VD7	5p	D18a	24	26vdl	Ecm
00	EC95810C40C7S	Vdet-IC	4.0V±2%, -Reset PPO, Td=200ms	SC-82-4L	VD7	5p	D18b	24	90vdl	Ecm
00	XC6129N55ANR-G	Vdet-IC	5.5V±0.8%, -Reset ODO, Releasy Delay	SSOT-24	VD1a	5a	D17	05	26ra	Tor
00	XC6221C081NR	LVR-IC	LDO, 0.8V±20mV, 200mA, +CE, PDR	SSOT-24	VR4	5m		-	26vn	Tor
00	XC6129C55ANR-G	Vdet-IC	5.5V±0.8%, -Reset PPO, Releasy Delay	SSOT-24	VD3a	5a	D16	05	26ra	Tor
00	XC6127N55ANR	Vdet-IC	5.5V±0.8%, -Reset ODO, -MR, 50ms Rt delay	SSOT-24	VD4	5k	D02	05	26cr	Tor
00	IXD5127N55ANR	Vdet-IC	5.5V±0.8%, -Reset ODO, -MR, 50ms Rt delay	SSOT-24	VD4	5k	D02	05	26cr	Ixs
00	AP8822C-40PI	Vdet-IC	4.0V±2%, -Reset PPO, 200ms Rt delay	SC-82	VD7	5g		-	26vdl	Anw
00	AP8822C-40GI	Vdet-IC	4.0V±2%, -Reset PPO, 200ms Rt delay, Halogen-free	SC-82	VD7	5g	D11d	-	26vdl	Anw
00	AP8822C-40GS	Vdet-IC	4.0V±2%, -Reset PPO, 200ms Rt delay, Halogen-free	SC-82S	VD7	5g	D11d	-	90vdl	Anw
00	AP8822C-40PS	Vdet-IC	4.0V±2%, -Reset PPO, 200ms Rt delay	SC-82S	VD7	5g		-	90vdl	Anw
00	XC6225A12ANR-G	LVR-IC	LDO, 1.25V±30mV, 30mA, +CE	SSOT-24	VR4	5a		05	26vn	Tor
01	EC95810C41C7I	Vdet-IC	4.1V±2%, -Reset PPO, Td=200ms	SC-82-4L	VD7	5p	D18a	24	26vdl	Ecm
01	EC95810C41C7S	Vdet-IC	4.1V±2%, -Reset PPO, Td=200ms	SC-82-4L	VD7	5p	D18b	24	90vdl	Ecm
01	MRF9011	Si-npn	UHF, 25V, 30mA, 300mW, B=30..200, 3.8GHz	SOT-143		5c		-	24tc	Mot
01	XC6221C091NR	LVR-IC	LDO, 0.9V±20mV, 200mA, +CE, PDR	SSOT-24	VR4	5m		-	26vn	Tor
01	AP8822C-41PI	Vdet-IC	4.1V±2%, -Reset PPO, 200ms Rt delay	SC-82	VD7	5g		-	26vdl	Anw
01	AP8822C-41GI	Vdet-IC	4.1V±2%, -Reset PPO, 200ms Rt delay, Halogen-free	SC-82	VD7	5g	D11d	-	26vdl	Anw
01	AP8822C-41GS	Vdet-IC	4.1V±2%, -Reset PPO, 200ms Rt delay, Halogen-free	SC-82S	VD7	5g	D11d	-	90vdl	Anw
01	AP8822C-41PS	Vdet-IC	4.1V±2%, -Reset PPO, 200ms Rt delay	SC-82S	VD7	5g		-	90vdl	Anw
01	XC6225A132NR-G	LVR-IC	LDO, 1.3V±30mV, 30mA, +CE	SSOT-24	VR4	5a		05	26vn	Tor
02	EC95810C42C7I	Vdet-IC	4.2V±2%, -Reset PPO, Td=200ms	SC-82-4L	VD7	5p	D18a	24	26vdl	Ecm
02	EC95810C42C7S	Vdet-IC	4.2V±2%, -Reset PPO, Td=200ms	SC-82-4L	VD7	5p	D18b	24	90vdl	Ecm
02	MRF5711	Si-npn	UHF, 20V, 80mA, 580mW, B=50..300, 8GHz	SOT-143		5c		-	24tc	Mot
02	XC6221C101NR	LVR-IC	LDO, 1.0V±20mV, 200mA, +CE, PDR	SSOT-24	VR4	5m		-	26vn	Tor
02	AP8822C-42PI	Vdet-IC	4.2V±2%, -Reset PPO, 200ms Rt delay	SC-82	VD7	5g		-	26vdl	Anw
02	AP8822C-42GI	Vdet-IC	4.2V±2%, -Reset PPO, 200ms Rt delay, Halogen-free	SC-82	VD7	5g	D11d	-	26vdl	Anw
02	AP8822C-42GS	Vdet-IC	4.2V±2%, -Reset PPO, 200ms Rt delay, Halogen-free	SC-82S	VD7	5g	D11d	-	90vdl	Anw
02	AP8822C-42PS	Vdet-IC	4.2V±2%, -Reset PPO, 200ms Rt delay	SC-82S	VD7	5g		-	90vdl	Anw
02	XC6225A13ANR-G	LVR-IC	LDO, 1.35V±30mV, 30mA, +CE	SSOT-24	VR4	5a		05	26vn	Tor
03	EC95810C43C7S	Vdet-IC	4.3V±2%, -Reset PPO, Td=200ms	SC-82-4L	VD7	5p	D18b	24	90vdl	Ecm
03	EC95810C43C7I	Vdet-IC	4.3V±2%, -Reset PPO, Td=200ms	SC-82-4L	VD7	5p	D18a	24	26vdl	Ecm
03	XC6221C111NR	LVR-IC	LDO, 1.1V±20mV, 200mA, +CE, PDR	SSOT-24	VR4	5m		-	26vn	Tor
03	VAM-3	MMIC	RF amplifier, DC..2GHz, 7.5dB (50 Ω)	SOT-143	A1	5c		-	24aa	Mc
03	AP8822C-43PI	Vdet-IC	4.3V±2%, -Reset PPO, 200ms Rt delay	SC-82	VD7	5g		-	26vdl	Anw
03	AP8822C-43GI	Vdet-IC	4.3V±2%, -Reset PPO, 200ms Rt delay, Halogen-free	SC-82	VD7	5g	D11d	-	26vdl	Anw
03	AP8822C-43PS	Vdet-IC	4.3V±2%, -Reset PPO, 200ms Rt delay	SC-82S	VD7	5g		-	90vdl	Anw
03	AP8822C-43GS	Vdet-IC	4.3V±2%, -Reset PPO, 200ms Rt delay, Halogen-free	SC-82S	VD7	5g	D11d	-	90vdl	Anw
03	XC6225A142NR-G	LVR-IC	LDO, 1.4V±30mV, 30mA, +CE	SSOT-24	VR4	5a		05	26vn	Tor
04	EC95810C44C7I	Vdet-IC	4.4V±2%, -Reset PPO, Td=200ms	SC-82-4L	VD7	5p	D18a	24	26vdl	Ecm

SECTION 7
5-pin case SMD semiconductor components



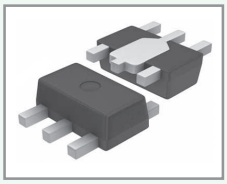




SMD code	Type	Function	Short description	Case	Sch	St	Atr	Ad	Pin	Mnf
-	ELM7548NCC	Vdet-IC	4.8V±2%, +Reset ODO	SC-70-5	VD6	6g	F22	06	28h3	Elm
-	ELM7548CCC	Vdet-IC	4.8V±2%, +Reset PPO	SC-70-5	VD7	6g	F22	23	28h3	Elm
#	ELM7541NCC	Vdet-IC	4.1V±2%, +Reset ODO	SC-70-5	VD6	6g	F22	06	28h3	Elm
#	ELM7541CCC	Vdet-IC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

SECTION 8

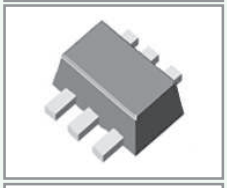
SOT-89-5 case SMD semiconductor components

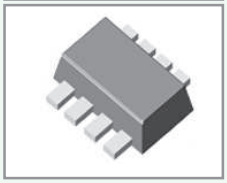


SMD code	Type	Function	Short description	Case	Sch	St	Atr	Ad	Pin	Mnf
00E	XC6505A151PR	LVR-IC	LDO, 1.5V±20mV, 200mA, +CE	SOT-89-5	VR4	6n		-	32um	Tor
00F	XC6505A161PR	LVR-IC	LDO, 1.6V±20mV, 200mA, +CE	SOT-89-5	VR4	6n		-	32um	Tor
00H	XC6505A171PR	LVR-IC	LDO, 1.7V±20mV, 200mA, +CE	SOT-89-5	VR4	6n		-	32um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

SECTION 9

6 and more pin case SMD semiconductor components

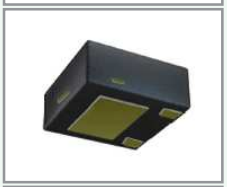


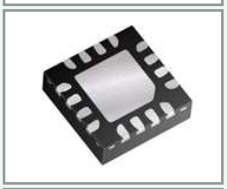


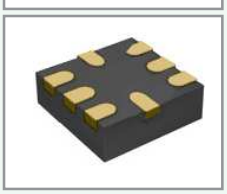
SMD code	Type	Function	Short description	Case	Sch	St	Atr	Ad	Pin	Mnf
+AAAA	MAX9718AEUB+	Lin-IC	APA, BTL, 2.7..5.5V 1.4W(5V/4Ω), select shutdown	SOP-10	AFP19	8d		-	60	Max
+AAAB	MAX9718BEUB+	Lin-IC	APA, BTL, 2.7..5.5V, 1.4W(5V/4Ω), select shutdown	SOP-10	AFP20	8d		-	60	Max
+AAAC	MAX9718CEUB+	Lin-IC	APA, BTL, 2.7..5.5V, 1.4W(5V/4Ω), select shutdown	SOP-10	AFP20	8d		-	60	Max
+AAAD	MAX9718DEUB+	Lin-IC	APA, BTL, 2.7..5.5V, 1.4W(5V/4Ω), select shutdown	SOP-10	AFP20	8d		-	60	Max
+AAAJ	MAX9718EEUB+	Lin-IC	APA, BTL, 2.7..5.5V, 1.4W(5V/4Ω), select shutdown	SOP-10	AFP20	8d		-	60	Max
+AAAK	MAX9718FEUB+	Lin-IC	APA, BTL, 2.7..5.5V, 1.4W(5V/4Ω), select shutdown	SOP-10	AFP20	8d		-	60	Max
+AAAL	MAX9718GEUB+	Lin-IC	APA, BTL, 2.7..5.5V, 1.4W(5V/4Ω), select shutdown	SOP-10	AFP20	8d		-	60	Max
+AAAM	MAX9718HEUB+	Lin-IC	APA, BTL, 2.7..5.5V, 1.4W(5V/4Ω), select shutdown	SOP-10	AFP20	8d		-	60	Max
+ACLW	MAX16052AUT+T	Vdet-IC	Adjustable sequencing/supervisory, 2.25..16V, ODO	SOT-23-6		7b		-	33	Max
+ACLX	MAX16053AUT+T	Vdet-IC	Adjustable sequencing/supervisory, 2.25..16V, PPO	SOT-23-6		7b		-	33	Max
00	KIC7W00FK	CMOS-Log	Dual 2-input NAND gates	US8	Log50	8c		-	47	Kec
00	XC74WL00AASR	CMOS-Log	Dual 2-input NAND gates	MSOP-8B	Log50	8d		-	55	Tor
005	FAN7005MU	Lin-IC	APA, 2.7..5.5V, 2x300mW(5V/8Ω), shutdown	SSOP-8	AFP17	8d		-	47	F
00B	U74HC2G02-SM1	CMOS-Log	Dual 2-input NOR gates	MSOP-8	Log53	8d		-	47	Utc
00BL	U74HC2G02L-SM1	CMOS-Log	Dual 2-input NOR gates	MSOP-8	Log53	8d		-	47	Utc
00W	U74HC2G00-SM1	CMOS-Log	Dual 2-input NAND gates	MSOP-8	Log50	8d		-	47	Utc
00WL	U74HC2G00L-SM1	CMOS-Log	Dual 2-input NAND gates	MSOP-8	Log50	8d		-	47	Utc
011	EC49222-1-B3F	LVR-IC	LDO, Dual out, Vout1/Vout2=3.0V/3.3V±2%, 250mA, +CE, LFr	SOT-23-6L	VR19	7pc		19	33x5	Ecm
011	EC49222-1-B3G	LVR-IC	LDO, Dual out, Vout1/Vout2=3.0V/3.3V±2%, 250mA, +CE, HFr	SOT-23-6L	VR19	7pc	K14	19	33x5	Ecm
011	GS6202RQRF	LVR-IC	LDO, Dual out, Vout1/Vout2=3.0V/3.3V±2%, 250mA, +CE	SOT-23-6L	VR19	7b		-	33x5	Glo
012	EC49222-2-B3F	LVR-IC	LDO, Dual out, Vout1/Vout2=1.8V/3.0V±2%, 250mA, +CE, LFr	SOT-23-6L	VR19	7pc		19	33x5	Ecm
012	EC49222-2-B3G	LVR-IC	LDO, Dual out, Vout1/Vout2=1.8V/3.0V±2%, 250mA, +CE, HFr	SOT-23-6L	VR19	7pc	K14	19	33x5	Ecm
012	GS6202RFQF	LVR-IC	LDO, Dual out, Vout1/Vout2=1.8V/3.0V±2%, 250mA, +CE	SOT-23-6L	VR19	7b		-	33x5	Glo
013	EC49222-3-B3F	LVR-IC	LDO, Dual out, Vout1/Vout2=3.0V/3.0V±2%, 250mA, +CE, LFr	SOT-23-6L	VR19	7pc		19	33x5	Ecm
013	EC49222-3-B3G	LVR-IC	LDO, Dual out, Vout1/Vout2=3.0V/3.0V±2%, 250mA, +CE, HFr	SOT-23-6L	VR19	7pc	K14	19	33x5	Ecm
013	GS6202RQQF	LVR-IC	LDO, Dual out, Vout1/Vout2=3.0V/3.0V±2%, 250mA, +CE	SOT-23-6L	VR19	7b		-	33x5	Glo
014	EC49222-4-B3F	LVR-IC	LDO, Dual out, Vout1/Vout2=1.3V/2.8V±2%, 250mA, +CE, LFr	SOT-23-6L	VR19	7pc		19	33x5	Ecm
014	EC49222-4-B3G	LVR-IC	LDO, Dual out, Vout1/Vout2=1.3V/2.8V±2%, 250mA, +CE, HFr	SOT-23-6L	VR19	7pc	K14	19	33x5	Ecm
01A	EC49222-A-B3F	LVR-IC	LDO, Dual out, Vout1/Vout2=3.3V/3.3V±2%, 250mA, +CE, LFr	SOT-23-6L	VR19	7pc		19	33x5	Ecm
01A	EC49222-A-B3G	LVR-IC	LDO, Dual out, Vout1/Vout2=3.3V/3.3V±2%, 250mA, +CE, HFr	SOT-23-6L	VR19	7pc	K14	19	33x5	Ecm
01A	GS6202RRRF	LVR-IC	LDO, Dual out, Vout1/Vout2=3.3V/3.3V±2%, 250mA, +CE	SOT-23-6L	VR19	7b		-	33x5	Glo
01B	EC49222-B-B3F	LVR-IC	LDO, Dual out, Vout1/Vout2=2.8V/3.3V±2%, 250mA, +CE, LFr	SOT-23-6L	VR19	7pc		19	33x5	Ecm
01B	EC49222-B-B3G	LVR-IC	LDO, Dual out, Vout1/Vout2=2.8V/3.3V±2%, 250mA, +CE, HFr	SOT-23-6L	VR19	7pc	K14	19	33x5	Ecm
01B	GS6202RJRF	LVR-IC	LDO, Dual out, Vout1/Vout2=2.8V/3.3V±2%, 250mA, +CE	SOT-23-6L	VR19	7b		-	33x5	Glo
01C	EC49222-C-B3F	LVR-IC	LDO, Dual out, Vout1/Vout2=2.5V/3.3V±2%, 250mA, +CE, LFr	SOT-23-6L	VR19	7pc		19	33x5	Ecm
01C	EC49222-C-B3G	LVR-IC	LDO, Dual out, Vout1/Vout2=2.5V/3.3V±2%, 250mA, +CE, HFr	SOT-23-6L	VR19	7pc	K14	19	33x5	Ecm
01C	GS6202RHRF	LVR-IC	LDO, Dual out, Vout1/Vout2=2.5V/3.3V±2%, 250mA, +CE	SOT-23-6L	VR19	7b		-	33x5	Glo
01C25A	XC9101C25ASR	DC/DC-IC	PWM, step-up, 2.5V±2.5%, 1.5A	SOP-8	DC17	8g		-	47xd	Tor
01C26A	XC9101C26ASR	DC/DC-IC	PWM, step-up, 2.6V±2.5%, 1.5A	SOP-8	DC17	8g		-	47xd	Tor
01C27A	XC9101C27ASR	DC/DC-IC	PWM, step-up, 2.7V±2.5%, 1.5A	SOP-8	DC17	8g		-	47xd	Tor
01C28A	XC9101C28ASR	DC/DC-IC	PWM, step-up, 2.8V±2.5%, 1.5A	SOP-8	DC17	8g		-	47xd	Tor
01C29A	XC9101C29ASR	DC/DC-IC	PWM, step-up, 2.9V±2.5%, 1.5A	SOP-8	DC17	8g		-	47xd	Tor
01C30A	XC9101C30ASR	DC/DC-IC	PWM, step-up, 3.0V±2.5%, 1.5A	SOP-8	DC17	8g		-	47xd	Tor
01C31A	XC9101C31ASR	DC/DC-IC	PWM, step-up, 3.1V±2.5%, 1.5A	SOP-8	DC17	8g		-	47xd	Tor
01C32A	XC9101C32ASR	DC/DC-IC	PWM, step-up, 3.2V±2.5%, 1.5A	SOP-8	DC17	8g		-	47xd	Tor
01C33A	XC9101C33ASR	DC/DC-IC	PWM, step-up, 3.3V±2.5%, 1.5A	SOP-8	DC17	8g		-	47xd	Tor
01C34A	XC9101C34ASR	DC/DC-IC	PWM, step-up, 3.4V±2.5%, 1.5A	SOP-8	DC17	8g		-	47xd	Tor
01C35A	XC9101C35ASR	DC/DC-IC	PWM, step-up, 3.5V±2.5%, 1.5A	SOP-8	DC17	8g		-	47xd	Tor
01C36A	XC9101C36ASR	DC/DC-IC	PWM, step-up, 3.6V±2.5%, 1.5A	SOP-8	DC17	8g		-	47xd	Tor
01C37A	XC9101C37ASR	DC/DC-IC	PWM, step-up, 3.7V±2.5%, 1.5A	SOP-8	DC17	8g		-	47xd	Tor
01C38A	XC9101C38ASR	DC/DC-IC	PWM, step-up, 3.8V±2.5%, 1.5A	SOP-8	DC17	8g		-	47xd	Tor
01C39A	XC9101C39ASR	DC/DC-IC	PWM, step-up, 3.9V±2.5%, 1.5A	SOP-8	DC17	8g		-	47xd	Tor
01C40A	XC9101C40ASR	DC/DC-IC	PWM, step-up, 4.0V±2.5%, 1.5A	SOP-8	DC17	8g		-	47xd	Tor
01C41A	XC9101C41ASR	DC/DC-IC	PWM, step-up, 4.1V±2.5%, 1.5A	SOP-8	DC17	8g		-	47xd	Tor
01C42A	XC9101C42ASR	DC/DC-IC	PWM, step-up, 4.2V±2.5%, 1.5A	SOP-8	DC17	8g		-	47xd	Tor
01C43A	XC9101C43ASR	DC/DC-IC	PWM, step-up, 4.3V±2.5%, 1.5A	SOP-8	DC17	8g		-	47xd	Tor
01C44A	XC9101C44ASR	DC/DC-IC	PWM, step-up, 4.4V±2.5%, 1.5A	SOP-8	DC17	8g		-	47xd	Tor
01C45A	XC9101C45ASR	DC/DC-IC	PWM, step-up, 4.5V±2.5%, 1.5A	SOP-8	DC17	8g		-	47xd	Tor
01C46A	XC9101C46ASR	DC/DC-IC	PWM, step-up, 4.6V±2.5%, 1.5A	SOP-8	DC17	8g		-	47xd	Tor
01C47A	XC9101C47ASR	DC/DC-IC	PWM, step-up, 4.7V±2.5%, 1.5A	SOP-8	DC17	8g		-	47xd	Tor
01C48A	XC9101C48ASR	DC/DC-IC	PWM, step-up, 4.8V±2.5%, 1.5A	SOP-8	DC17	8g		-	47xd	Tor
01C49A	XC9101C49ASR	DC/DC-IC	PWM, step-up, 4.9V±2.5%, 1.5A	SOP-8	DC17	8g		-	47xd	Tor
01C50A	XC9101C50ASR	DC/DC-IC	PWM, step-up, 5.0V±2.5%, 1.5A	SOP-8	DC17	8g		-	47xd	Tor
01C51A	XC9101C51ASR	DC/DC-IC	PWM, step-up, 5.1V±2.5%, 1.5A	SOP-8	DC17	8g		-	47xd	Tor
01C52A	XC9101C52ASR	DC/DC-IC	PWM, step-up, 5.2V±2.5%, 1.5A	SOP-8	DC17	8g		-	47xd	Tor
01C53A	XC9101C53ASR	DC/DC-IC	PWM, step-up, 5.3V±2.5%, 1.5A	SOP-8	DC17	8g		-	47xd	Tor
01C54A	XC9101C54ASR	DC/DC-IC	PWM, step-up, 5.4V±2.5%, 1.5A	SOP-8	DC17	8g		-	47xd	Tor
01C55A	XC9101C55ASR	DC/DC-IC	PWM, step-up, 5.5V±2.5%, 1.5A	SOP-8	DC17	8g		-	47xd	Tor
01C56A	XC9101C56ASR	DC/DC-IC	PWM, step-up, 5.6V±2.5%, 1.5A	SOP-8	DC17	8g		-	47xd	Tor
01C57A	XC9101C57ASR	DC/DC-IC	PWM, step-up, 5.7V±2.5%, 1.5A	SOP-8	DC17	8g		-	47xd	Tor

SECTION 10

BGA, DFN and QFN case SMD semiconductor components

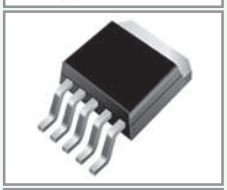






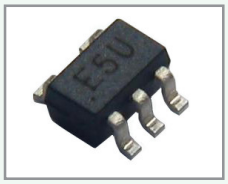
SMD code	Type	Function	Short description	Case	Sch	St	Atr	Ad	Pin	Mnf
+AAT	MAX9724AETC+	Lin-IC	APA, 2.7..5.5V, 2x60mW(3V/32Ω), shutdown	QFN-12		9m		-	38	Max
+AAU	MAX9724BETC+	Lin-IC	APA, 2.7..5.5V, 2x60mW(3V/32Ω), shutdown	QFN-12		9m		-	38	Max
+AAW	MAX9718BETB+T	Lin-IC	APA, BTL, 2.7..5.5V 1.4W(5V/4Ω), select shutdown	DFN-10	AFP20	9m		-	37	Max
+AAX	MAX9718CETB+T	Lin-IC	APA, BTL, 2.7..5.5V, 1.4W(5V/4Ω), select shutdown	DFN-10	AFP20	9m		-	37	Max
+AAY	MAX9718DETB+T	Lin-IC	APA, BTL, 2.7..5.5V, 1.4W(5V/4Ω), select shutdown	DFN-10	AFP20	9m		-	37	Max
+ABJ	MAX9724CETC+	Lin-IC	APA, 2.7..5.5V, 2x60mW(3V/32Ω), shutdown	QFN-12		9m		-	38	Max
+ABK	MAX9724DETC+	Lin-IC	APA, 2.7..5.5V, 2x60mW(3V/32Ω), shutdown	QFN-12		9m		-	38	Max
+ADH	MAX9724AEBC+T	Lin-IC	APA, 2.7..5.5V, 2x60mW(3V/32Ω), shutdown	BGA-12		9m		-	39	Max
+ADI	MAX9724BEBC+T	Lin-IC	APA, 2.7..5.5V, 2x60mW(3V/32Ω), shutdown	BGA-12		9m		-	39	Max
+ADX	MAX9718BEBL+TG45	Lin-IC	APA, BTL, 2.7..5.5V, 1.4W(5V/4Ω), select shutdown	BGA-9	AFP54	9m		-	39	Max
+ADZ	MAX9718CEBL+TG45	Lin-IC	APA, BTL, 2.7..5.5V, 1.4W(5V/4Ω), select shutdown	BGA-9	AFP54	9m		-	39	Max
+AEA	MAX9718DEBL+TG45	Lin-IC	APA, BTL, 2.7..5.5V, 1.4W(5V/4Ω), select shutdown	BGA-9	AFP54	9m		-	39	Max
+AEH	MAX9724DEBC+T	Lin-IC	APA, 2.7..5.5V, 2x60mW(3V/32Ω), shutdown	BGA-12		9m		-	39	Max
+AEV	MAX98306ETD+	Lin-IC	APA, BTL, 2.7..5.5V, 2x3.7W(5V/4Ω), shutdown	DFN-14		9a		-	37	Max
+AFB	MAX9718EEBL+TG45	Lin-IC	APA, BTL, 2.7..5.5V, 1.4W(5V/4Ω), select shutdown	BGA-9	AFP54	9m		-	39	Max
+AFC	MAX9718FEBL+TG45	Lin-IC	APA, BTL, 2.7..5.5V, 1.4W(5V/4Ω), select shutdown	BGA-9	AFP54	9m		-	39	Max
+AFD	MAX9718GEBL+TG45	Lin-IC	APA, BTL, 2.7..5.5V, 1.4W(5V/4Ω), select shutdown	BGA-9	AFP54	9m		-	39	Max
+AFE	MAX9718HEBL+TG45	Lin-IC	APA, BTL, 2.7..5.5V, 1.4W(5V/4Ω), select shutdown	BGA-9	AFP54	9m		-	39	Max
+AGE	MAX9724CEBC+T	Lin-IC	APA, 2.7..5.5V, 2x60mW(3V/32Ω), shutdown	BGA-12		9m		-	39	Max
+AIN	MAX98307ETE+	Lin-IC	APA, BTL, class-D, 2.7..6.6V, 3.3W(5V/3Ω), shutdown	QFN-16		9a		-	38	Max
+AIY	MAX98309EWL+	Lin-IC	APA, BTL, 2.7..5.5V, 1.4W(5V/4Ω), shutdown	BGA-9		9a		-	39	Max
+AIZ	MAX98310EWL+	Lin-IC	APA, BTL, 2.7..5.5V, 1.4W(5V/4Ω), shutdown	BGA-9		9a		-	39	Max
+ASY	MAX9718EETB+T	Lin-IC	APA, BTL, 2.7..5.5V, 1.4W(5V/4Ω), select shutdown	DFN-10	AFP20	9m		-	37	Max
+ASZ	MAX9718FETB+T	Lin-IC	APA, BTL, 2.7..5.5V, 1.4W(5V/4Ω), select shutdown	DFN-10	AFP20	9m		-	37	Max
+ATA	MAX9718GETB+T	Lin-IC	APA, BTL, 2.7..5.5V, 1.4W(5V/4Ω), select shutdown	DFN-10	AFP20	9m		-	37	Max
+ATB	MAX9718HETB+T	Lin-IC	APA, BTL, 2.7..5.5V, 1.4W(5V/4Ω), select shutdown	DFN-10	AFP20	9m		-	37	Max
00	RP110L081B	LVR-IC	LDO, 0.8V±1%, 150mA, +CE	DFN1010-4	VR4	9a		-	48vm	Ric
00	XC6229D1211R-G	LVR-IC	LDO, 1.2V±20mV, 300mA, +CE	BGA-4	VR4	9a		-	63ba*	Tor
00	XC6224A0817R	LVR-IC	LDO, 0.8V±20mV, 150mA, +CE	USPN-4B02	VR4	9e		-	58vm	Tor
01	TS4601EIJT	Lin-IC	APA, 2.7..5.5V, 2x75mW(5V/16Ω), stand-by, I2C	BGA-16		9p		-	39	Ste
01	RP110L091B	LVR-IC	LDO, 0.9V±1%, 150mA, +CE	DFN1010-4	VR4	9a		-	48vm	Ric
01	XC6229D12B1R-G	LVR-IC	LDO, 1.25V±20mV, 300mA, +CE	BGA-4	VR4	9a		-	63ba*	Tor
01	XC6224A0917R	LVR-IC	LDO, 0.9V±20mV, 150mA, +CE	USPN-4B02	VR4	9e		-	58vm	Tor
01	XC6420AB017R-G	LVR-IC	LDO, Dual out, Vout1/Vout2=1.20/1.20V±2%, 150mA, +CE	USPN-6	VR19	9a		-	52xv	Tor
01	XC6420AB01DR-G	LVR-IC	LDO, Dual out, Vout1/Vout2=1.20/1.20V±2%, 150mA, +CE	USP-6B04	VR19	9a		-	73x4	Tor
011	EC49222-1-FFF	LVR-IC	LDO, Dual out, Vout1/Vout2=3.0V/3.3V±2%, 250mA, +CE, LFr	UFN-6	VR19	9ic	H22f	19	56xv	Ecm
011	EC49222-1-FFG	LVR-IC	LDO, Dual out, Vout1/Vout2=3.0V/3.3V±2%, 250mA, +CE, HFr	UFN-6	VR19	9ic	H31	19	56xv	Ecm
012	EC49222-2-FFF	LVR-IC	LDO, Dual out, Vout1/Vout2=1.8V/3.0V±2%, 250mA, +CE, LFr	UFN-6	VR19	9ic	H22f	19	56xv	Ecm
012	EC49222-2-FFG	LVR-IC	LDO, Dual out, Vout1/Vout2=1.8V/3.0V±2%, 250mA, +CE, HFr	UFN-6	VR19	9ic	H31	19	56xv	Ecm
013	EC49222-3-FFF	LVR-IC	LDO, Dual out, Vout1/Vout2=3.0V/3.0V±2%, 250mA, +CE, LFr	UFN-6	VR19	9ic	H22f	19	56xv	Ecm
013	EC49222-3-FFG	LVR-IC	LDO, Dual out, Vout1/Vout2=3.0V/3.0V±2%, 250mA, +CE, HFr	UFN-6	VR19	9ic	H31	19	56xv	Ecm
014	EC49222-4-FFF	LVR-IC	LDO, Dual out, Vout1/Vout2=1.3V/2.8V±2%, 250mA, +CE, LFr	UFN-6	VR19	9ic	H22f	19	56xv	Ecm
014	EC49222-4-FFG	LVR-IC	LDO, Dual out, Vout1/Vout2=1.3V/2.8V±2%, 250mA, +CE, HFr	UFN-6	VR19	9ic	H31	19	56xv	Ecm
01A	EC49222-A-FFF	LVR-IC	LDO, Dual out, Vout1/Vout2=3.3V/3.3V±2%, 250mA, +CE, LFr	UFN-6	VR19	9ic	H22f	19	56xv	Ecm
01A	EC49222-A-FFG	LVR-IC	LDO, Dual out, Vout1/Vout2=3.3V/3.3V±2%, 250mA, +CE, HFr	UFN-6	VR19	9ic	H31	19	56xv	Ecm
01B	EC49222-B-FFF	LVR-IC	LDO, Dual out, Vout1/Vout2=2.8V/3.3V±2%, 250mA, +CE, LFr	UFN-6	VR19	9ic	H22f	19	56xv	Ecm
01B	EC49222-B-FFG	LVR-IC	LDO, Dual out, Vout1/Vout2=2.8V/3.3V±2%, 250mA, +CE, HFr	UFN-6	VR19	9ic	H31	19	56xv	Ecm
01C	EC49222-C-FFF	LVR-IC	LDO, Dual out, Vout1/Vout2=2.5V/3.3V±2%, 250mA, +CE, LFr	UFN-6	VR19	9ic	H22f	19	56xv	Ecm
01C	EC49222-C-FFG	LVR-IC	LDO, Dual out, Vout1/Vout2=2.5V/3.3V±2%, 250mA, +CE, HFr	UFN-6	VR19	9ic	H31	19	56xv	Ecm
01D	EC49222-D-FFF	LVR-IC	LDO, Dual out, Vout1/Vout2=1.8V/3.3V±2%, 250mA, +CE, LFr	UFN-6	VR19	9ic	H22f	19	56xv	Ecm
01D	EC49222-D-FFG	LVR-IC	LDO, Dual out, Vout1/Vout2=1.8V/3.3V±2%, 250mA, +CE, HFr	UFN-6	VR19	9ic	H31	19	56xv	Ecm
01E	EC49222-E-FFF	LVR-IC	LDO, Dual out, Vout1/Vout2=1.5V/3.3V±2%, 250mA, +CE, LFr	UFN-6	VR19	9ic	H22f	19	56xv	Ecm
01E	EC49222-E-FFG	LVR-IC	LDO, Dual out, Vout1/Vout2=1.5V/3.3V±2%, 250mA, +CE, HFr	UFN-6	VR19	9ic	H31	19	56xv	Ecm
01F	EC49222-F-FFF	LVR-IC	LDO, Dual out, Vout1/Vout2=1.2V/3.3V±2%, 250mA, +CE, LFr	UFN-6	VR19	9ic	H22f	19	56xv	Ecm
01F	EC49222-F-FFG	LVR-IC	LDO, Dual out, Vout1/Vout2=1.2V/3.3V±2%, 250mA, +CE, HFr	UFN-6	VR19	9ic	H31	19	56xv	Ecm
01G	EC49222-G-FFF	LVR-IC	LDO, Dual out, Vout1/Vout2=2.8V/2.8V±2%, 250mA, +CE, LFr	UFN-6	VR19	9ic	H22f	19	56xv	Ecm
01G	EC49222-G-FFG	LVR-IC	LDO, Dual out, Vout1/Vout2=2.8V/2.8V±2%, 250mA, +CE, HFr	UFN-6	VR19	9ic	H31	19	56xv	Ecm
01H	EC49222-H-FFF	LVR-IC	LDO, Dual out, Vout1/Vout2=2.5V/2.8V±2%, 250mA, +CE, LFr	UFN-6	VR19	9ic	H22f	19	56xv	Ecm
01H	EC49222-H-FFG	LVR-IC	LDO, Dual out, Vout1/Vout2=2.5V/2.8V±2%, 250mA, +CE, HFr	UFN-6	VR19	9ic	H31	19	56xv	Ecm
01J	EC49222-J-FFF	LVR-IC	LDO, Dual out, Vout1/Vout2=1.8V/2.8V±2%, 250mA, +CE, LFr	UFN-6	VR19	9ic	H22f	19	56xv	Ecm
01J	EC49222-J-FFG	LVR-IC	LDO, Dual out, Vout1/Vout2=1.8V/2.8V±2%, 250mA, +CE, HFr	UFN-6	VR19	9ic	H31	19	56xv	Ecm
01K	EC49222-K-FFF	LVR-IC	LDO, Dual out, Vout1/Vout2=1.5V/2.8V±2%, 250mA, +CE, LFr	UFN-6	VR19	9ic	H22f	19	56xv	Ecm
01K	EC49222-K-FFG	LVR-IC	LDO, Dual out, Vout1/Vout2=1.5V/2.8V±2%, 250mA, +CE, HFr	UFN-6	VR19	9ic	H31	19	56xv	Ecm
01L	EC49222-L-FFF	LVR-IC	LDO, Dual out, Vout1/Vout2=1.2V/2.8V±2%, 250mA, +CE, LFr	UFN-6	VR19	9ic	H22f	19	56xv	Ecm
01L	EC49222-L-FFG	LVR-IC	LDO, Dual out, Vout1/Vout2=1.2V/2.8V±2%, 250mA, +CE, HFr	UFN-6	VR19	9ic	H31	19	56xv	Ecm
01M	EC49222-M-FFF	LVR-IC	LDO, Dual out, Vout1/Vout2=2.5V/2.5V±2%, 250mA, +CE, LFr	UFN-6	VR19	9ic	H22f	19	56xv	Ecm
01M	EC49222-M-FFG	LVR-IC	LDO, Dual out, Vout1/Vout2=2.5V/2.5V±2%, 250mA, +CE, HFr	UFN-6	VR19	9ic	H31	19	56xv	Ecm
01N	EC49222-N-FFF	LVR-IC	LDO, Dual out, Vout1/Vout2=1.8V/2.5V±2%, 250mA, +CE, LFr	UFN-6	VR19	9ic	H22f	19	56xv	Ecm
01N	EC49222-N-FFG	LVR-IC	LDO, Dual out, Vout1/Vout2=1.8V/2.5V±2%, 250mA, +CE, HFr	UFN-6	VR19	9ic	H31	19	56xv	Ecm
01P	EC49222-P-FFF	LVR-IC	LDO, Dual out, Vout1/Vout2=1.5V/2.5V±2%, 250mA, +CE, LFr	UFN-6	VR19	9ic	H22f	19	56xv	Ecm

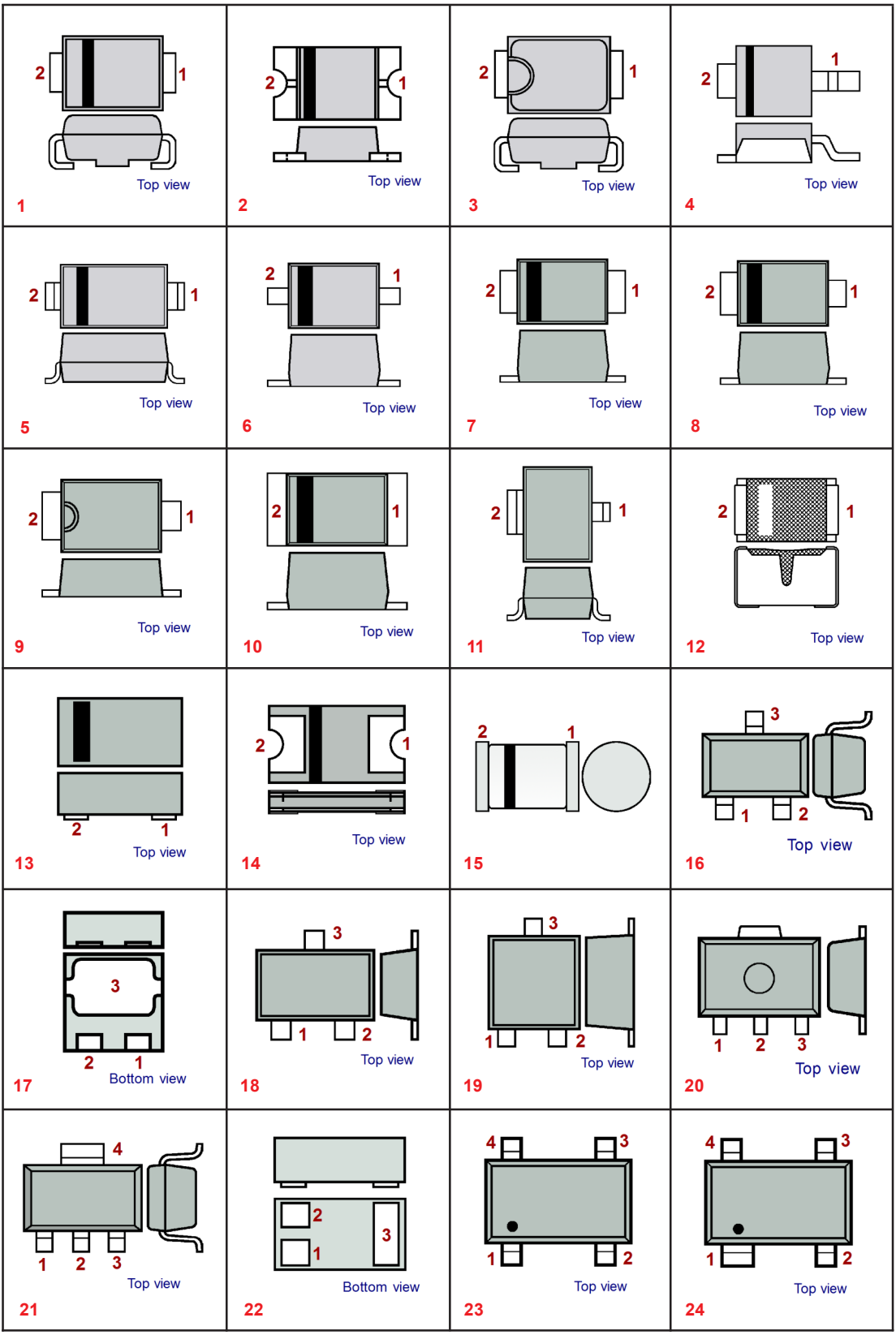
SECTION 11
D-PAK and I-PAK case SMD semiconductor components



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

SECTION 12
Conventional case drawings. Pin assignment




2
1
Top view
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2
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Top view
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Top view
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Top view
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Top view
5
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Top view
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Top view
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Top view
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Top view
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Top view
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Top view
11
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Top view
12
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Top view
13
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Top view
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Top view
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Bottom view
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Top view
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Top view
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3
Top view
20
4
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3
Top view
21
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3
Bottom view
22
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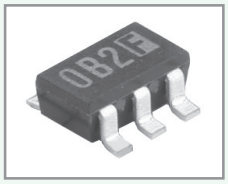
3
1
2
Top view
23
4
3
1
2
Top view
24

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/Out	-	-
a2	N/C	Anode	Cathode	N/C	Adjust	-	-	-
a3	Œ	GND	Vinput	Voutput	Adjust	N/C	-	-
a4	Œ	Vinput	Voutput	Switch	GND	Feedb.	-	-
a5	No data	See dsc.	-	-	-	-	-	-
a6	See sch	See dsc.	-	-	-	-	-	-
a7	Œ	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=Vout	Lx	C1=Vinput	C3=GND	-	-	-
ab	Input	GND	GND	Output	GND	Vcc	-	-
ab*	A1=CE/MODE	A3=Feedb.	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	Vout	N/C	N/C
ag	Contact	Contact	N/C	-	-	-	-	-
ah	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	-	-	-	-
aq	Contact	N/C	Contact	-	-	-	-	-
ar	Contact	Contact	-	-	-	-	-	-
as	Emitter	Emitter	N/C	Base	Collector	Collector	Collector	Collector
at	Cathode	Gate	Anode	-	-	-	-	-
au	Œ	SS	Voutput	Vinput	GND	Vbias	-	-
av	Vbias	GND	Vinput	Voutput	SS	Œ	-	-
a w	Œ	Ilim	Voutput	Vinput	GND	Vbias	-	-
ax	Vbias	GND	Vinput	Voutput	Ilim	Œ	-	-
ay	A1=Vout2	A2=Vcc	A3=Vout1	B1=CE2	B2=GND	B3=CE1	-	-
ba	An/Cath.	An/Cath.	-	-	-	-	-	-
ba*	A1=GND	A2=Vout	B1=CE	B2=Vin	-	-	-	-
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	Vcc	Reset	MR	-	-	-	-
be*	A1=CE	A3=Cb	B2=GND	C1=Vout	C3=Vinput	-	-	-
bf*	A1=Out L	A2=GND	A3=Out R	B1=In L	B3=In R	C1=Shutdwn	C2=Vcc	C3=Cext
bg	Cathode1	Cathode2	Anode2	N/C	Anode1	-	-	-
bg*	A1=GND	A2=CE	B1=Voutput	B2=Vinput	-	-	-	-
bh	Anode1	Common 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	Œ	A GND	N/C	Feedback	Switch.	P GND
bp	Cathode	Cathode	Anode	Anode	Cathode	Cathode	-	-
bq	GND	Voutput	Lx	-	-	-	-	-
br	GND	Voutput	Ext	-	-	-	-	-
bs	Anode1	Com. Cath.	Anode2	Com. Cath.	-	-	-	-
bt	Cathode1	N/C	Cathode2	Com Anode	-	-	-	-
bu	Anode1	N/C	Anode2	Com Cath.	-	-	-	-
bv	Anode1	N/C	Cathode2	Cath.1/An2	-	-	-	-
b w	Anode1	Com Cath.	Anode2	Anode3	Com Cath.	Anode4	-	-

SECTION 14
SMD-code marking attribute



A02a

A02b

A02c

A02d

A02e

A02f

A02g

A02h

A02i

A02j

A02k

A02m

A02n

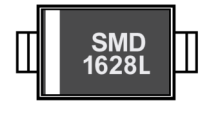
A03a

A04a

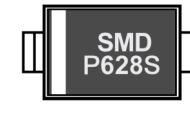
A04b

A04c

A04d



A04e

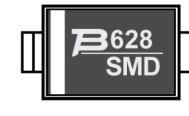


A04f

A05

A06a

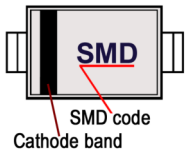
A06b



A06c

SECTION15
SMD-code marking style

1a



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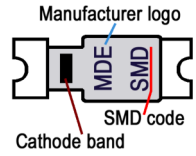

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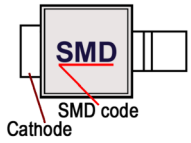

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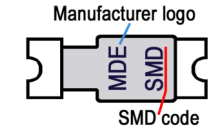

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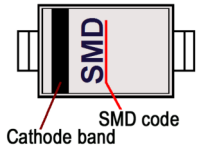

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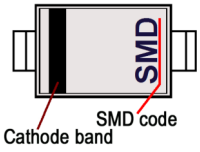

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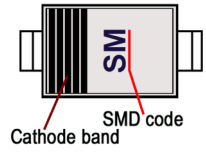

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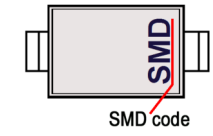

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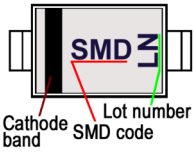

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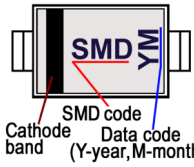

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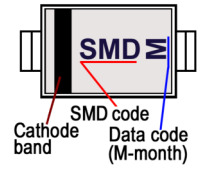

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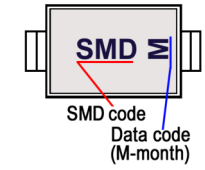

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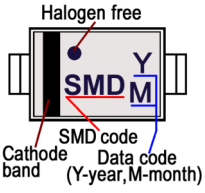

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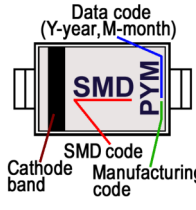

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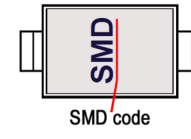
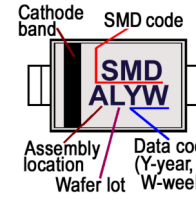
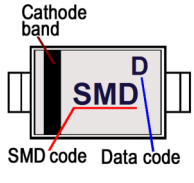


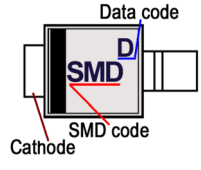
1f



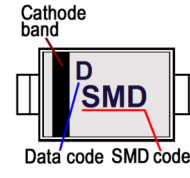
1g



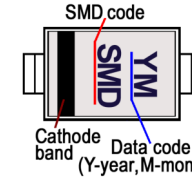
1ga



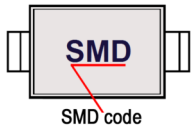
1h



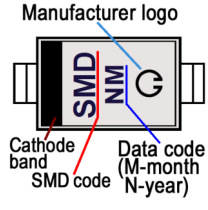
1i



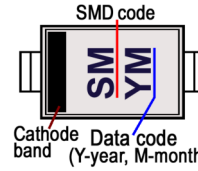
1j



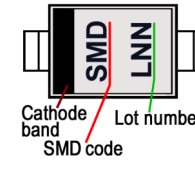
1k



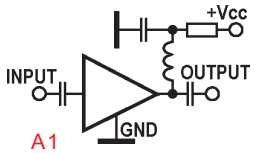
1ka



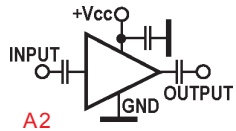
1kc



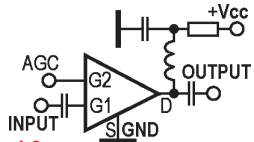
SECTION 16
Sample schematic diagram



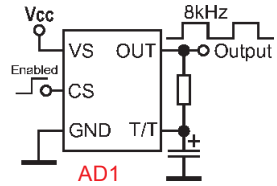
A1



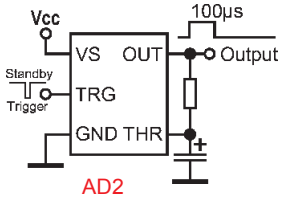
A2



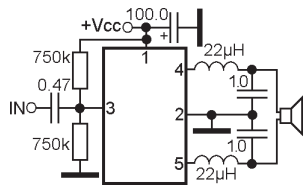
A3



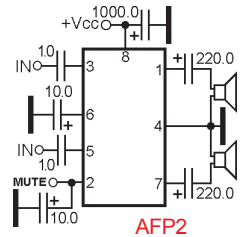
AD1



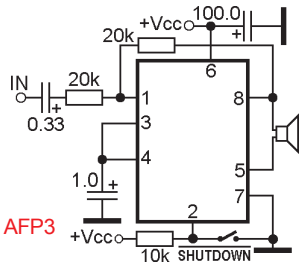
AD2



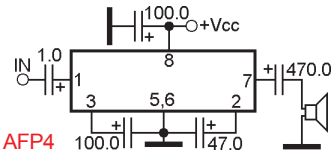
AFP1



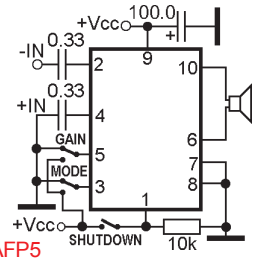
AFP2



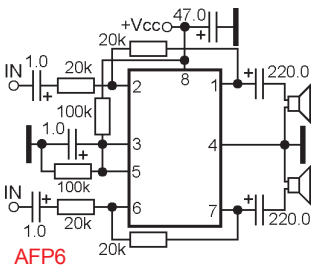
AFP3



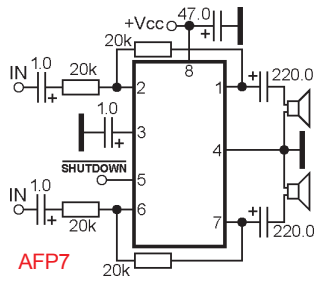
AFP4



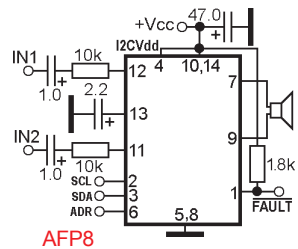
AFP5



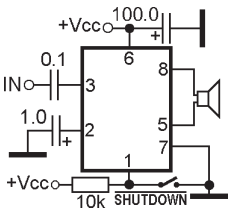
AFP6



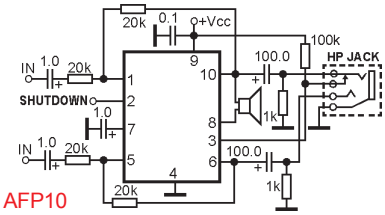
AFP7



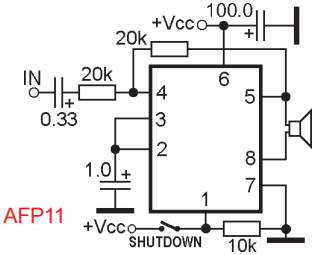
AFP8



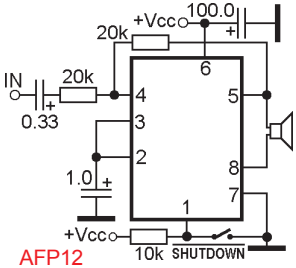
AFP9



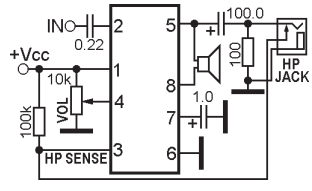
AFP10



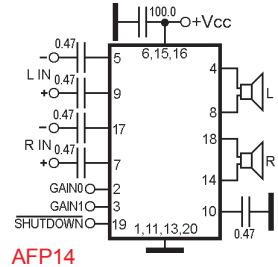
AFP11



AFP12



AFP13



AFP14

SECTION17
Additional SMD info

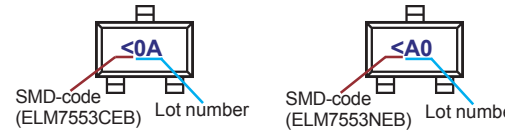
Besides SMD code manufacturers can place additional information such as internal production lot number, traceability code, data of production, assembly location etc. The adittional info is an arbitral position and arbitral content (depending of the manufacturer) and can be alphanumeris symbol (symbols)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

Below we present some additional info.

Lot number.

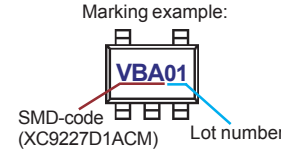
Manufacturer: Elm (ELM Technology Corporation):
Rules 1 (for ODO voltage detectors)
Symbol 1 - A to Z(I, O, X excepted)
Symbol 2 - 0 to 9
Rules 2 (for PPO voltage detectors)
Symbol 1 - 0 to 9
Symbol 2 - A to Z(I, O, X excepted)

Marking example:



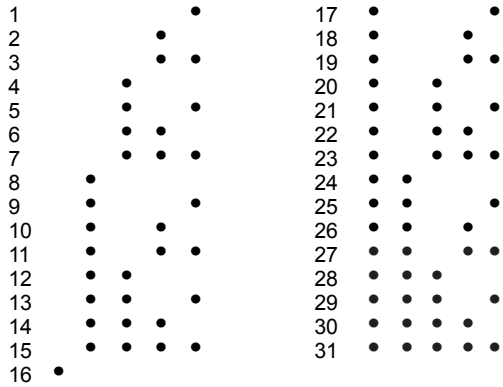
Manufacturer: Tor (Torex Semiconductor LTD):
01~09, 0A~0Z, 11~9Z, A1~A9, AA~AZ, B1~ZZ repeated,
(G, I, J, O, Q, W excluded.) * No character inversion used.

Marking example:

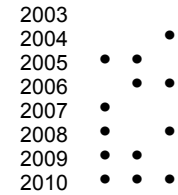


Production data

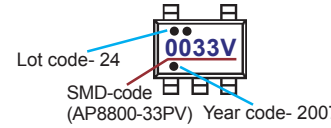
Manufacturer: Anw (Anwell Semiconductor Corp.)
Dot above product code: Lot Code:



Dot under product code: Year Code:



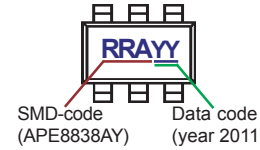
Marking example:



Manufacturer: Ape (Advanced Power Electronics Corp.)

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

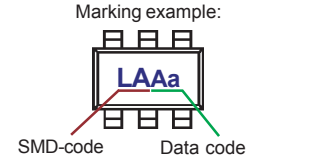
Marking example:



Manufacturer: Axl (AXElite Technology Co., Ltd)

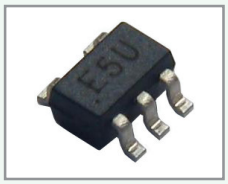
Code	Year	Code	Week
7	2007	A...Z	1...26
8	2008	a...z	27...52
9	2009		
A	2010		
B	2011		
C	2012		

Marking example:

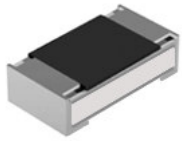


Manufacturer: Di (Diodes Inc.)
Y : Year : 0~9XXX
W : Week : A~Z : 1~26 week; a~z : 27~52 week; z represents 52 and 53 week

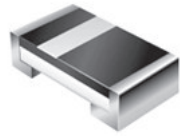
SECTION 18
Case drawings



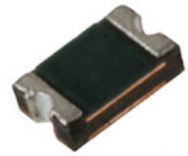
0402
0503 1005
0603 SOD-723F



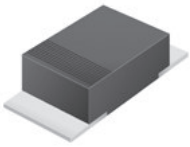
0402S 0805S
0503S 1206S



0805
1206



1408

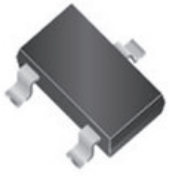


1607
SMA
SMA-1

1F
2F
3-4D1A

1F1A
SOD-123
SOD-323

2025
CP
CPH3



2-2H1A
2-2H1B
SC-89-3

2-2K1A
2-2K1B

2-3JIA
2-3JIB

403
403-01 403B-01
403A 403C
403A-03 403D-2

BGA-4
CB4-3
UCSP-4

BGA-5
WCSP-5

BGA-6
µBGA-6
WCSP-6

BGA-8 MBGA-8
µBGA-8 WCSP-8

BGA-8A

BGA-9

BGA-10

BGA-12

BGA-14

BGA-15

BGA-16

BGA-18

SECTION 19
Manufacturers logos and URL

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

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

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

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

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

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

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

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

Aot- IRICO AOTOM (Hong Kong) Holdings Co., Ltd.
http://www.aotom.com

Ape- Advanced Power Electronics Corp.
http://www.a-power.com.tw/index.aspx

Ask- AKM Semiconductor Inc.
http://akm.com/index.asp

Asm- Austria Microsystems AG
http://www.austriamicrosystems.com

Toronto, 2019 edition
Chisinau, 2019 edition
http://www.turuta.md