

SMD-codes

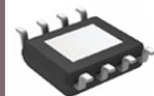
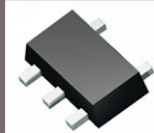
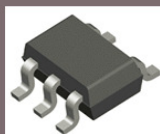
DATABOOK

SMD semiconductor
components marking codes.

5-pin case

6 and more pin case

- 530.000 SMD-codes:
- Diodes, Thyristors, Protection elements, Transistors, Integrated circuits
- Case pin assignment
- Pinout
- Marking style
- Additional production data info
- Case drawings
- Manufacturers
- Schematics



VOLUME II, 2026 EDITION



<http://www.turuta.md>

ELECTRONICS COMPONENTS

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SMD semiconductor components marking codes. VOLUME II

5-pin case

6-pin case

**Chisinau 2026
Toronto 2026**



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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 **FMV2104** (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**' (**IT9**, **Y7t**) for the devices made in Malaysia, "**W**" (**WT9**, **Y7W**) for the devices made in China. In the last section are submitted the logos and web site URL 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 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, upper 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")

(BSC) Backside coating

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	Id-IC	Ideal diode integrated circuit
BR	Bridge Rectifier	IGBT	Insulated Gate Bipolar Transistor
C-diode	Capacitance diode (varactor, varicap)	IGBT+Di	Insulated Gate Bipolar Transistor with antiparallel diode
CMOS-Log	CMOS logic integrated circuit	LDR-IC	LED driver integrated circuit
Comp-IC	Voltage comparator integrated circuit	Lin-IC	Linear integrated circuit
CPE	Circuit Protector Element	LSW-IC	Load switch Integrated Circuit
CP-IC	Charge pump integrated circuit	LVR-IC	Linear voltage regulator integrated circuit
DC/DC-IC	DC/DC voltage converter integrated circuit	LVR/Vdet-IC	Linear voltage regulator/Voltage detector combined integrated circuit
ESDP-diode	ElectroStatic Discharge Protection diode	Match resnet	Matched resistor network
ESD-Prot	ElectroStatic Discharge Protection thyristor	MMIC	Monolithic Microwave Integrated Circuit
-FET	Field Effect Transistor	-MOSFET	Metal-Oxide-Semiconductor FET
HEMT	High electron mobility transistors	-MESFET	MEtal-Semiconductor FET
H-IC	Hall-effect sensor integrated circuit	n-	n-channel junction transistor
HSPS-IC	High-side power switch integrated circuit	n/p-	n-channel and p-channel transistors area
		Op-IC	Operational amplifier integrated circuit
		OVP IC	Overvoltage Protection integrated circuit
		p-	p-channel junction transistor
		PB-IC	Push button integrated circuit
		PDS-IC	Power distribution switch integrated circuit
		PHEMT	Pseudomorphic high electron mobility transistors
		PIN-diode	Diode with a wide, undoped intrinsic

	semiconductor region
PM-IC	Power management integrated circuit
PSW-IC	Power switch integrated circuit
Res. div.	Resistor divider
SGP	Spark Gap Protector
Si-diode	Silicon diode
SiC-diode	Silicon-carbide diode
SiGe-diode	Silicon/Germanium diode
SiGe-npn	Silicon/Germanium npn transistor
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-pnp-Digi+Di	Silicon pnp "digital" transistor with internal diode
Si-pnpn-UJT	Si-pnpn unijunction transistor
SiC-diode	Silicon-Carbide diode
SIDAC	Silicon unilateral voltage triggered switch
SiGeC-npn	Silicon-Germanium-Carbon npn transistor
Si-Stab	Silicon stabilistor
Si-Var	Silicon varistor
SGP	Spark Gap Protector
SSD	Surge suppressor diode
SVR-IC	Switching Voltage Regulator integrated circuit
T-sensor	Temperature sensor
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
Vmon-IC	Voltage monitor integrated circuit
Vref-IC	Voltage Reference integrated circuit
Vreg/OVP IC	Voltage regulator/Overvoltage Protector IC
WDT-IC	Watchdog timer integrated circuit
Z-diode	Zener diode
Z-diode/SPD	Zener diode-surge protector device

Column 4 ("Case") Manufacturer case designation (section 10).

Column 5 ("Style") "Style" (uppercase placement of the SMD-code and additional information drawing). All styles drawings are placed in the section 7.

Column 6 ("Short description")

Short data or description of function of each type.

Used abbreviations:

Adj.	Adjust, adjustable
AF	Audio Frequency
AGC	Automatic Gain Control
ALC	Automatic Level Control
AM	Amplitude Modulation (AM range)
Amp	Amplifier
Ant	Antenna
APA	Audio Power Amplifier
Att	Attenuator
Avl	Avalanche
Disc.	Internal CL discharge
BISS	Breakthrough In Small Signal
BTL	Bridge Tied Loads
Bat	Battery
Buck-Boost	B-boost

Buff	Buffer
CATV	Broad band cable amplifier
+CE	Active HIGH Chip Enable
-CE	Active LOW Chip Enable
Cap	Capacitance
Cell	Cellular
CL	Internal CL discharge resistor
Conv	Converter
Cordl	Cordless
Ctrl	Controlled, Controller
CRD	Current Regulator Diode
CrL	Current Limiter
CrLL	Current Limiter with integral Latch
CV	Constant Voltage
ChV	Charge voltage
-d, D-MOS	Depletion mode MOSFET
DBS	Direct Broadcast Satellite
DECT	Digital Enhanced Cordless Telecommunications
Det	Detector
DG	Dual Gate
Diff	Differential
Dr, Drv	Driver
-e	Enhancement mode MOSFET
EN	Enable
Ext.	External
FD	Fast Discharge
Fdb-Pr.	Foldback protection
FM	Frequency Modulation (FM range)
FPWM	Forced Pulse-width modulation
Fst	Fast
GaAs	Gallium Arsenide
GBP	Gain-Bandwidth Product
GNSS	Global Navigation Satellite System (GLONASS)
GP	General Purpose Applications
Green pack.	Green package
Green proc.	Green process
HF	High Frequency
H-fast	Hyperfast
H-Free	Halogen-free
HiSAT-COT	High Speed Transient Response Control
Hi-sp	High-speed
HSST	High-Speed Soft-Start
Hst.	Hysteresis
HV	High Voltage
I2C	I2C (Inter-Integrated Circuit) interface
I2S	I2S interface
ICL	Internal Current Limiter
ICP	Inrush Current Protection (Prevention)
IF	Intermediate frequency
Instrum.	Instrumental
InGaAs	Indium Gallium Arsenide
Int.	Internal
I-O-Bps	Input-to-Output Bypass
Ipp	Maximal Peak Pulse Current
ISM band	Industrial, scientific, and medical radio band
Latch-Pr.	Latch protection
LCON	Output Current Limit Setting
LDO	Low drop voltage
LED	Light-emitting diode
L-Free	Lead-free
LLD	Low-leakage diode
LLS	Logic Level Shifter
LN	Low Noise
LNA	Low Noise Amplifier
LNB	Low Noise Block
LogL	Logic Level (Uth >0,8...2V)
Lo-sat	Low collector-emitter saturation voltage

LRip	Low Ripple voltage	Td	Delay time
LSST	Low-Speed Soft-Start	Tcy	Overcharge Detection Delay Time
LTE	Long Term Evolution	TMBSR	Trench MOS Barrier Schottky Rectifier
Mix	Mixer	T-MOS	Trench-FET MOSFET
Mon.	Monitoring	Tmr	Manual Reset Setup Period
MR	Manual Reset	Tun	Tuner
Nix	Nixie tube driver	Ucu	Overcharge Detection Voltage
OCB	Fault indication output	U-Sp.	Ultra-speed
OCL	Output Current Limiter	UHF	RF applications (>250 MHz)
ODO	Open Drain Output	UV	UnderVoltage function
OCO	Open Collector Output	ULN	Ultra Low-Noise
Ovd	Over voltage detection	USB	Universal Serial Bus
OVIn	Over Voltage Reset Input (negative)	UV	Latched UperVoltage function
OVP	Over Voltage Protection	Uvd	Under voltage detection
Osc	Oscillator	UVLO	Under voltage lock output
OTP	Over Temperature Protection	Var	Variable
Out	Output	Vbr	Breakdown Voltage
OV	OverVoltage function	VCO	Voltage controlled oscillator
PA	Power Amplifier	Vdet	Detection volatge
PAD	Pico-Amper Diode	Vdi	Input volatge detection
Pb-free	Plumb-free	Vdo	Output volatge detection
PCA	Pulse Current Amplitude modulation	Vfb	Feedback voltage
PDR	Internal pull-down resistor	VHF	RF applications (100...250MHz)
PECL	Positive Emitter-Coupled Logic	VFM	Voltage-Frequency Modulation
Prot	Protect, protection	Vid	Video output stages
PFM	Pulse-frequency modulation	V-MOS	Vertical Metal Oxide Semiconductor
PG	Power Good	Vrls	Release voltage
PGain	Power Gain	Vrwm	Reverse Standoff Voltage
PM	Power management	VR	Voltage Regulator
POR	Power-on-reset	Vth+	Power-on lockout voltage
Pow	Power	Vth-	Forced power-off voltage
PPO	Push-Pull Output	Vthr	Vthresold
Prog	Programmable	Vuot	Undervoltage/Overvoltage threshold
PSM	Pulse-skip modulation	WB	Wide Band
PUR	Internal pull-up resistor	WD	Watchdog
PWM	Pulse-width modulation	WDEN	Watchdog Enable
Rdt	Reset delay time	WDI	Watchdog Input
Rectif.	Rectifier	Wdt	Watchdog timeout
Reg.	Regulated	Wta	Watchdog active time
Res.	Resistor	WLAN	Wireless Local Area Network
Rst	Reset	WIMAX	Worldwide Interoperability for Microwave Access
Reset-Pr.	Reset protection	Wdt	Watchdog timeout
RF	Radio Frequency applications	uPower	Micro Power
Rin	Input resistance	uWave	Microwave
RUN	Enable of DC/DC converter	ZBD	Zero bias detector
SATV	Satellite television		
S-band	RF band switching		
SB	Schottky Barrier		
SBD	Schottky Barrier Diode		
SBR	Schottky Barrier Rectifier		
SCK	Clock Input Pin		
SDQ	Serial Data and Quality interface		
S-dwn	Shutdown		
S-fast	Super-Fast		
SHF	Super High Frequency		
ShPr	Short Circuit Protection		
SiGe	Silicon/Germanium structure		
SMPS	Switch Mode Power Supply		
SPDT	Single-pole double-throw		
SPI	Serial Peripheral Interface		
SPST	Single-pole single-throw		
SS	Soft start		
STB	Set-Top Boxes		
St-dwn	Step-down		
St-up	Step-up		
Supress.	Suppressor		
Sw.	Switching		
Sync.	Synchronous		

Column 7 (“Atr”)

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

Column 8 (“A.d.”)

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

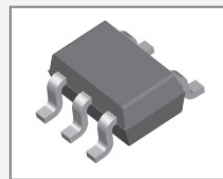
Column 9 (“Pin”) Related conventional case drawing (section 5) and pinout assignement (from table, section 6). Example: 16vdb- conventional case drawing 16 (section 5) and pinout assignement vdb (section 6).

Column 10 (“Sch”) Sample schematic connection for some elements (ICs). All sample schematic connection drawings are placed in the section 11.

Column 11 (“Mnf”)

The name of the manufacturer are abbreviated (to save space). The complete name, logos, and URL of each manufacurer is listed alphabetically on section 12.

SECTION 1
5-pin case SMD semiconductor components



SMD code	Type	Function	Case	Style	Short description	Atr	A.d. Pin	Sch	Mnf
-	ELM7548CCC	Vdet-IC	SC-70-5	6gb	4.8V±2%, +Reset PPO	F22	23 28h3	VD7	Elm
-	ELM7548NCC	Vdet-IC	SC-70-5	6g	4.8V±2%, +Reset ODO	F22	06 28h3	VD6	Elm
#	ELM7541CCC	Vdet-IC	SC-70-5	6gb	4.1V±2%, +Reset PPO	F22	23 28h3	VD7	Elm
#	ELM7541NCC	Vdet-IC	SC-70-5	6g	4.1V±2%, +Reset ODO	F22	06 28h3	VD6	Elm
%	ELM7543CCC	Vdet-IC	SC-70-5	6gb	4.3V±2%, +Reset PPO	F22	23 28h3	VD7	Elm
%	ELM7543NCC	Vdet-IC	SC-70-5	6g	4.3V±2%, +Reset ODO	F22	06 28h3	VD6	Elm
*	ELM7513CCC	Vdet-IC	SC-70-5	6gb	1.3V±2%, +Reset PPO	F22	23 28h3	VD7	Elm
*	ELM7513NCC	Vdet-IC	SC-70-5	6g	1.3V±2%, +Reset ODO	F22	06 28h3	VD6	Elm
/	ELM7554CCC	Vdet-IC	SC-70-5	6gb	5.4V±2%, +Reset PPO	F22	23 28h3	VD7	Elm
/	ELM7554NCC	Vdet-IC	SC-70-5	6g	5.4V±2%, +Reset ODO	F22	06 28h3	VD6	Elm
?	ELM7551CCC	Vdet-IC	SC-70-5	6gb	5.1V±2%, +Reset PPO	F22	23 28h3	VD7	Elm
?	ELM7551NCC	Vdet-IC	SC-70-5	6g	5.1V±2%, +Reset ODO	F22	06 28h3	VD6	Elm
+	ELM7547CCC	Vdet-IC	SC-70-5	6gb	4.7V±2%, +Reset PPO	F22	23 28h3	VD7	Elm
+	ELM7547NCC	Vdet-IC	SC-70-5	6g	4.7V±2%, +Reset ODO	F22	06 28h3	VD6	Elm
+ACAB	MAX999EUK-T	Comp-IC	SOT-23-5	6a	U-High Speed, Vcc=2.7..5.5V, Icco=5mA, <5ns	-	- 28opa	OP1	Max
+AFEI	MAX999AAUK+T	Comp-IC	SOT-23-5	6a	U-High Speed, Vcc=2.7..5.5V, Icco=5mA, <5ns	-	- 28opa	OP1	Max
<	ELM7553CCC	Vdet-IC	SC-70-5	6gb	5.3V±2%, +Reset PPO	F22	23 28h3	VD7	Elm
<	ELM7553NCC	Vdet-IC	SC-70-5	6g	5.3V±2%, +Reset ODO	F22	06 28h3	VD6	Elm
=	ELM7544CCC	Vdet-IC	SC-70-5	6gb	4.4V±2%, +Reset PPO	F22	23 28h3	VD7	Elm
=	ELM7544NCC	Vdet-IC	SC-70-5	6g	4.4V±2%, +Reset ODO	F22	06 28h3	VD6	Elm
>	ELM7549CCC	Vdet-IC	SC-70-5	6gb	4.9V±2%, +Reset PPO	F22	23 28h3	VD7	Elm
>	ELM7549NCC	Vdet-IC	SC-70-5	6g	4.9V±2%, +Reset ODO	F22	06 28h3	VD6	Elm
÷	ELM7517CCC	Vdet-IC	SC-70-5	6gb	1.7V±2%, +Reset PPO	F22	23 28h3	VD7	Elm
÷	ELM7517NCC	Vdet-IC	SC-70-5	6g	1.7V±2%, +Reset ODO	F22	06 28h3	VD6	Elm
▪	ELM7546CCC	Vdet-IC	SC-70-5	6gb	4.6V±2%, +Reset PPO	F22	23 28h3	VD7	Elm
▪	ELM7546NCC	Vdet-IC	SC-70-5	6g	4.6V±2%, +Reset ODO	F22	06 28h3	VD6	Elm
¥	ELM7552CCC	Vdet-IC	SC-70-5	6gb	5.2V±2%, +Reset PPO	F22	23 28h3	VD7	Elm
¥	ELM7552NCC	Vdet-IC	SC-70-5	6g	5.2V±2%, +Reset ODO	F22	06 28h3	VD6	Elm
0	ELM7509CCC	Vdet-IC	SC-70-5	6gb	0.9V±2%, +Reset PPO	F22	23 28h3	VD7	Elm
0	ELM7509NCC	Vdet-IC	SC-70-5	6g	0.9V±2%, +Reset ODO	F22	06 28h3	VD6	Elm
00	R1223N252A	DC/DC-IC	SOT-23-5	6g	PWM/VFM st-dwn, +CE, 2.5V±2%, 300kHz, Latch-prot.	-	- 28ud	DC7	Ric
00	RN5RF50BA	LVR-IC	SOT-23-5	6g	LRip, +CE, 5V±2%, 1A (ext. transistor)	-	- 28vw	VR6	Ric
00	RN5RZ50BA	LVR-IC	SOT-23-5	6g	LDO, LN, 5.0V±2%, 100mA, +CE	-	- 28vrt	VR4	Ric
000	XC6101A131MR	Vdet-IC	SOT-25	6gb	3.1V±2%, Hst, -MR, -Reset PPO, Wdt=6.25ms, Rdt=3.13ms	F04	10 28cp	VD17	Tor
001	XC6101A132MR	Vdet-IC	SOT-25	6gb	3.2V±2%, Hst, -MR, -Reset PPO, Wdt=6.25ms, Rdt=3.13ms	F04	10 28cp	VD17	Tor
002	XC6101A133MR	Vdet-IC	SOT-25	6gb	3.3V±2%, Hst, -MR, -Reset PPO, Wdt=6.25ms, Rdt=3.13ms	F04	10 28cp	VD17	Tor
003	XC6101A134MR	Vdet-IC	SOT-25	6gb	3.4V±2%, Hst, -MR, -Reset PPO, Wdt=6.25ms, Rdt=3.13ms	F04	10 28cp	VD17	Tor
004	XC6101A135MR	Vdet-IC	SOT-25	6gb	3.5V±2%, Hst, -MR, -Reset PPO, Wdt=6.25ms, Rdt=3.13ms	F04	10 28cp	VD17	Tor
005	XC6101A136MR	Vdet-IC	SOT-25	6gb	3.6V±2%, Hst, -MR, -Reset PPO, Wdt=6.25ms, Rdt=3.13ms	F04	10 28cp	VD17	Tor
006	XC6101A137MR	Vdet-IC	SOT-25	6gb	3.7V±2%, Hst, -MR, -Reset PPO, Wdt=6.25ms, Rdt=3.13ms	F04	10 28cp	VD17	Tor
007	XC6101A138MR	Vdet-IC	SOT-25	6gb	3.8V±2%, Hst, -MR, -Reset PPO, Wdt=6.25ms, Rdt=3.13ms	F04	10 28cp	VD17	Tor
008	R1160N081A	LVR-IC	SOT-23-5	6g	LDO, 0.8V±2%, 200mA, -CE, AE(Mode)	-	- 28x9	VR10	Ric
008	XC6101A139MR	Vdet-IC	SOT-25	6gb	3.9V±2%, Hst, -MR, -Reset PPO, Wdt=6.25ms, Rdt=3.13ms	F04	10 28cp	VD17	Tor
009	R1160N091A	LVR-IC	SOT-23-5	6g	LDO, 0.9V±2%, 200mA, -CE, AE(Mode)	-	- 28x9	VR10	Ric
009	XC6101A140MR	Vdet-IC	SOT-25	6gb	4.0V±2%, Hst, -MR, -Reset PPO, Wdt=6.25ms, Rdt=3.13ms	F04	10 28cp	VD17	Tor
00A	XC6101A141MR	Vdet-IC	SOT-25	6gb	4.1V±2%, Hst, -MR, -Reset PPO, Wdt=6.25ms, Rdt=3.13ms	F04	10 28cp	VD17	Tor
00B	XC6101A142MR	Vdet-IC	SOT-25	6gb	4.2V±2%, Hst, -MR, -Reset PPO, Wdt=6.25ms, Rdt=3.13ms	F04	10 28cp	VD17	Tor
00C	XC6101A143MR	Vdet-IC	SOT-25	6gb	4.3V±2%, Hst, -MR, -Reset PPO, Wdt=6.25ms, Rdt=3.13ms	F04	10 28cp	VD17	Tor
00D	XC6101A144MR	Vdet-IC	SOT-25	6gb	4.4V±2%, Hst, -MR, -Reset PPO, Wdt=6.25ms, Rdt=3.13ms	F04	10 28cp	VD17	Tor
00E	XC6101A145MR	Vdet-IC	SOT-25	6gb	4.5V±2%, Hst, -MR, -Reset PPO, Wdt=6.25ms, Rdt=3.13ms	F04	10 28cp	VD17	Tor
00E	XC6505A151MR	LVR-IC	SOT-25	6g	LDO, 1.5V±20mV, 200mA, +CE	-	05 28cx	VR4	Tor
00F	XC6101A116MR	Vdet-IC	SOT-25	6gb	1.6V±2%, Hst, -MR, -Reset PPO, Wdt=6.25ms, Rdt=3.13ms	F03	10 28cp	VD17	Tor
00F	XC6101A146MR	Vdet-IC	SOT-25	6gb	4.6V±2%, Hst, -MR, -Reset PPO, Wdt=6.25ms, Rdt=3.13ms	F04	10 28cp	VD17	Tor
00F	XC6505A161MR	LVR-IC	SOT-25	6g	LDO, 1.6V±20mV, 200mA, +CE	-	05 28cx	VR4	Tor
00H	XC6101A117MR	Vdet-IC	SOT-25	6gb	1.7V±2%, Hst, -MR, -Reset PPO, Wdt=6.25ms, Rdt=3.13ms	F03	10 28cp	VD17	Tor
00H	XC6101A147MR	Vdet-IC	SOT-25	6gb	4.7V±2%, Hst, -MR, -Reset PPO, Wdt=6.25ms, Rdt=3.13ms	F04	10 28cp	VD17	Tor
00H	XC6505A171MR	LVR-IC	SOT-25	6g	LDO, 1.7V±20mV, 200mA, +CE	-	05 28cx	VR4	Tor
00K	XC6101A118MR	Vdet-IC	SOT-25	6gb	1.8V±2%, Hst, -MR, -Reset PPO, Wdt=6.25ms, Rdt=3.13ms	F03	10 28cp	VD17	Tor
00K	XC6101A148MR	Vdet-IC	SOT-25	6gb	4.8V±2%, Hst, -MR, -Reset PPO, Wdt=6.25ms, Rdt=3.13ms	F04	10 28cp	VD17	Tor
00K	XC6505A181MR	LVR-IC	SOT-25	6g	LDO, 1.8V±20mV, 200mA, +CE	-	05 28cx	VR4	Tor
00L	XC6101A119MR	Vdet-IC	SOT-25	6gb	1.9V±2%, Hst, -MR, -Reset PPO, Wdt=6.25ms, Rdt=3.13ms	F03	10 28cp	VD17	Tor
00L	XC6101A149MR	Vdet-IC	SOT-25	6gb	4.9V±2%, Hst, -MR, -Reset PPO, Wdt=6.25ms, Rdt=3.13ms	F04	10 28cp	VD17	Tor
00L	XC6505A191MR	LVR-IC	SOT-25	6g	LDO, 1.9V±20mV, 200mA, +CE	-	05 28cx	VR4	Tor
00M	XC6101A120MR	Vdet-IC	SOT-25	6gb	2.0V±2%, Hst, -MR, -Reset PPO, Wdt=6.25ms, Rdt=3.13ms	F03	10 28cp	VD17	Tor
00M	XC6101A150MR	Vdet-IC	SOT-25	6gb	5.0V±2%, Hst, -MR, -Reset PPO, Wdt=6.25ms, Rdt=3.13ms	F04	10 28cp	VD17	Tor
00M	XC6505A201MR	LVR-IC	SOT-25	6g	LDO, 2.0V±1%, 200mA, +CE	-	05 28cx	VR4	Tor
00N	XC6101A121MR	Vdet-IC	SOT-25	6gb	2.1V±2%, Hst, -MR, -Reset PPO, Wdt=6.25ms, Rdt=3.13ms	F03	10 28cp	VD17	Tor
00N	XC6505A211MR	LVR-IC	SOT-25	6g	LDO, 2.1V±1%, 200mA, +CE	-	05 28cx	VR4	Tor
00P	XC6101A122MR	Vdet-IC	SOT-25	6gb	2.2V±2%, Hst, -MR, -Reset PPO, Wdt=6.25ms, Rdt=3.13ms	F03	10 28cp	VD17	Tor
00P	XC6505A221MR	LVR-IC	SOT-25	6g	LDO, 2.2V±1%, 200mA, +CE	-	05 28cx	VR4	Tor

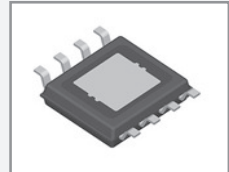
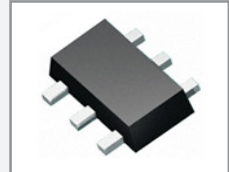


SMD code	Type	Function	Case	Style	Short description	Atr	A.d.	Pin	Sch	Mnf
ZP6	XC9142F44DMR-G	DC/DC-IC	SOT-25	6g	PWM st-up, 3.0MHz, 4.4V±2%, +CE (compl. out discon.)	F01	05	28g7	DC19a	Tor
ZP7	XC9142F45DMR-G	DC/DC-IC	SOT-25	6g	PWM st-up, 3.0MHz, 4.5V±2%, +CE (compl. out discon.)	F01	05	28g7	DC19a	Tor
ZP8	XC9142F46DMR-G	DC/DC-IC	SOT-25	6g	PWM st-up, 3.0MHz, 4.6V±2%, +CE (compl. out discon.)	F01	05	28g7	DC19a	Tor
ZP9	XC9142F47DMR-G	DC/DC-IC	SOT-25	6g	PWM st-up, 3.0MHz, 4.7V±2%, +CE (compl. out discon.)	F01	05	28g7	DC19a	Tor
ZPA	XC9142F48DMR-G	DC/DC-IC	SOT-25	6g	PWM st-up, 3.0MHz, 4.8V±2%, +CE (compl. out discon.)	F01	05	28g7	DC19a	Tor
ZPB	XC9142F49DMR-G	DC/DC-IC	SOT-25	6g	PWM st-up, 3.0MHz, 4.9V±2%, +CE (compl. out discon.)	F01	05	28g7	DC19a	Tor
ZPC	XC9142F50DMR-G	DC/DC-IC	SOT-25	6g	PWM st-up, 3.0MHz, 5.0V±2%, +CE (compl. out discon.)	F01	05	28g7	DC19a	Tor
ZPD	XC9142F51DMR-G	DC/DC-IC	SOT-25	6g	PWM st-up, 3.0MHz, 5.1V±2%, +CE (compl. out discon.)	F01	05	28g7	DC19a	Tor
ZPE	XC9142F52DMR-G	DC/DC-IC	SOT-25	6g	PWM st-up, 3.0MHz, 5.2V±2%, +CE (compl. out discon.)	F01	05	28g7	DC19a	Tor
ZPF	XC9142F53DMR-G	DC/DC-IC	SOT-25	6g	PWM st-up, 3.0MHz, 5.3V±2%, +CE (compl. out discon.)	F01	05	28g7	DC19a	Tor
ZPH	XC9142F54DMR-G	DC/DC-IC	SOT-25	6g	PWM st-up, 3.0MHz, 5.4V±2%, +CE (compl. out discon.)	F01	05	28g7	DC19a	Tor
ZPK	XC9142F55DMR-G	DC/DC-IC	SOT-25	6g	PWM st-up, 3.0MHz, 5.5V±2%, +CE (compl. out discon.)	F01	05	28g7	DC19a	Tor
ZPQ	74AHCT1G07QSE	CMOS-Log	SOT-353	6ba	Noninverting buffer/driver, ODO	-	61	28/Log8	Log8	Di
ZPQ	74AHCT1G07QW5	CMOS-Log	SOT-25	6ba	Noninverting buffer/driver, ODO	-	61	28/Log8	Log8	Di
ZQ	BU4247FWE	Vdet-IC	VSO-5	6e	4.7V±1%, -Reset ODO	-	-	30vka	VD1	Rhm
ZQ	BU4247G	Vdet-IC	SSOP-5	6c	4.7V±1%, -Reset ODO	-	-	28vdo	VD1	Rhm
ZQ	PI5A4595AC	CMOS-Log	SC-70-5	6g	SPST analog switch	-	-	28/Log86	Log86	Per
ZQ	PI5A4595ACE	CMOS-Log	SC-70-5	6g	SPST analog switch, H-free	F12a	-	28/Log86	Log86	Per
ZR	74AHCT1G00SE	CMOS-Log	SOT-353	6kh	2-input NAND gate	-	61	28/Log1	Log1	Di
ZR	74AHCT1G00W5	CMOS-Log	SOT-25	6kh	2-input NAND gate	-	61	28/Log1	Log1	Di
ZR	BU4248FWE	Vdet-IC	VSO-5	6e	4.8V±1%, -Reset ODO	-	-	30vka	VD1	Rhm
ZR	BU4248G	Vdet-IC	SSOP-5	6c	4.8V±1%, -Reset ODO	-	-	28vdo	VD1	Rhm
ZR	PI5A4594AC	CMOS-Log	SC-70-5	6g	SPST analog switch	-	-	28/Log16	Log16	Per
ZR	PI5A4594ACE	CMOS-Log	SC-70-5	6g	SPST analog switch, H-free	F12a	-	28/Log16	Log16	Per
ZRQ	74AHCT1G00QSE	CMOS-Log	SOT-353	6ba	2-input NAND gate	-	61	28/Log1	Log1	Di
ZRQ	74AHCT1G00QW5	CMOS-Log	SOT-25	6ba	2-input NAND gate	-	61	28/Log1	Log1	Di
ZS	74AHCT1G02SE	CMOS-Log	SOT-353	6kh	2-input NOR gate	-	61	28/Log2	Log2	Di
ZS	74AHCT1G02W5	CMOS-Log	SOT-25	6kh	2-input NOR gate	-	61	28/Log2	Log2	Di
ZS	BU4309FWE	Vdet-IC	VSO-5	6e	0.9V±1%, -Reset PPO	-	-	30vka	VD3	Rhm
ZS	BU4309G	Vdet-IC	SSOP-5	6c	0.9V±1%, -Reset PPO	-	-	28vdo	VD3	Rhm
ZS-	RT9818A-24PB	Vdet-IC	SOT-23-5	6a	2.4V±1.5%, -Reset ODO	-	-	28vdm	VD6	Rct
ZSQ	74AHCT1G02QSE	CMOS-Log	SOT-353	6ba	2-input NOR gate	-	61	28/Log2	Log2	Di
ZSQ	74AHCT1G02QW5	CMOS-Log	SOT-25	6ba	2-input NOR gate	-	61	28/Log2	Log2	Di
ZT	74AHCT1G04SE	CMOS-Log	SOT-353	6kh	Single inverter	-	61	28/Log6	Log6	Di
ZT	74AHCT1G04W5	CMOS-Log	SOT-25	6kh	Single inverter	-	61	28/Log6	Log6	Di
ZT	BU4310FWE	Vdet-IC	VSO-5	6e	1.0V±1%, -Reset PPO	-	-	30vka	VD3	Rhm
ZT	BU4310G	Vdet-IC	SSOP-5	6c	1.0V±1%, -Reset PPO	-	-	28vdo	VD3	Rhm
ZT	EUP7915-12VIR1	LVR-IC	SOT-23-5	6g	LDO, 1.2V±2%, 150mA, +CE	-	-	28vrX	VR7	Eut
ZTQ	74AHCT1G04QSE	CMOS-Log	SOT-353	6ba	Single inverter	-	61	28/Log6	Log6	Di
ZTQ	74AHCT1G04QW5	CMOS-Log	SOT-25	6ba	Single inverter	-	61	28/Log6	Log6	Di
ZU	74AHCT1G08SE	CMOS-Log	SOT-353	6kh	2-input AND gate	-	61	28/Log3	Log3	Di
ZU	74AHCT1G08W5	CMOS-Log	SOT-25	6kh	2-input AND gate	-	61	28/Log3	Log3	Di
ZU	BU4311FWE	Vdet-IC	VSO-5	6e	1.1V±1%, -Reset PPO	-	-	30vka	VD3	Rhm
ZU	BU4311G	Vdet-IC	SSOP-5	6c	1.1V±1%, -Reset PPO	-	-	28vdo	VD3	Rhm
ZU	PI5A122C	CMOS-Log	SC-70-5	6a	SPST analog switch	-	-	28/Log86	Log86	Per
ZU	PI5A122CE	CMOS-Log	SC-70-5	6a	SPST analog switch, H-free	F12a	-	28/Log86	Log86	Per
ZU	PI5A122T	CMOS-Log	SOT-23-5	6a	SPST analog switch	-	-	28/Log86	Log86	Per
ZU	PI5A122TE	CMOS-Log	SOT-23-5	6a	SPST analog switch, H-free	F12a	-	28/Log86	Log86	Per
ZU-	RT9013-13PB	LVR-IC	SOT-23-5	6g	LDO, 1.3V±2%, 500mA, +CE	-	-	28cx	VR4	Rct
ZU4	NC7SZU04P	CMOS-Log	SC-70-5	6bb	Single inverter	-	-	28/Log6	Log6	F
ZUQ	74AHCT1G08QSE	CMOS-Log	SOT-353	6ba	2-input AND gate	-	61	28/Log3	Log3	Di
ZUQ	74AHCT1G08QW5	CMOS-Log	SOT-25	6ba	2-input AND gate	-	61	28/Log3	Log3	Di
ZV	74AHCT1G14SE	CMOS-Log	SOT-353	6kh	Inverter with Schmitt-trigger input	-	61	28/Log7	Log7	Di
ZV	74AHCT1G14W5	CMOS-Log	SOT-25	6kh	Inverter with Schmitt-trigger input	-	61	28/Log7	Log7	Di
ZV	BU4312FWE	Vdet-IC	VSO-5	6e	1.2V±1%, -Reset PPO	-	-	30vka	VD3	Rhm
ZV	BU4312G	Vdet-IC	SSOP-5	6c	1.2V±1%, -Reset PPO	-	-	28vdo	VD3	Rhm
ZV	PI5A121C	CMOS-Log	SC-70-5	6a	SPST analog switch	-	-	28/Log16	Log16	Per
ZV	PI5A121CE	CMOS-Log	SC-70-5	6a	SPST analog switch, H-free	F12a	-	28/Log16	Log16	Per
ZV	PI5A121T	CMOS-Log	SOT-23-5	6a	SPST analog switch	-	-	28/Log16	Log16	Per
ZV	PI5A121TE	CMOS-Log	SOT-23-5	6a	SPST analog switch, H-free	F12a	-	28/Log16	Log16	Per
ZVQ	74AHCT1G14QSE	CMOS-Log	SOT-353	6ba	Inverter with Schmitt-trigger input	-	61	28/Log7	Log7	Di
ZVQ	74AHCT1G14QW5	CMOS-Log	SOT-25	6ba	Inverter with Schmitt-trigger input	-	61	28/Log7	Log7	Di
ZW	74AHCT1G32SE	CMOS-Log	SOT-353	6kh	2-input OR gate	-	61	28/Log4	Log4	Di
ZW	74AHCT1G32W5	CMOS-Log	SOT-25	6kh	2-input OR gate	-	61	28/Log4	Log4	Di
ZW	BU4313FWE	Vdet-IC	VSO-5	6e	1.3V±1%, -Reset PPO	-	-	30vka	VD3	Rhm
ZW	BU4313G	Vdet-IC	SSOP-5	6c	1.3V±1%, -Reset PPO	-	-	28vdo	VD3	Rhm
ZW	EUP7915-29VIR1	LVR-IC	SOT-23-5	6g	LDO, 2.9V±2%, 150mA, +CE	-	-	28vrX	VR7	Eut
ZW	PI3A125C	CMOS-Log	SC-70-5	6a	SPST analog switch	-	-	28/Log108	Log108	Per
ZW	PI3A125T	CMOS-Log	SOT-23-5	6a	SPST analog switch	-	-	28/Log108	Log108	Per
ZW	R1210N602C	DC/DC-IC	SOT-23-5	6g	PWM st-up, 6V, 100kHz, +CE, ext. transistor	-	-	28sd	DC6	Ric



SECTION 2

6 and more pin case SMD semiconductor components



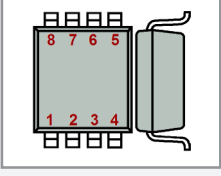
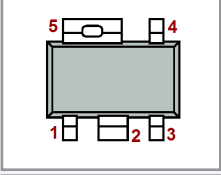
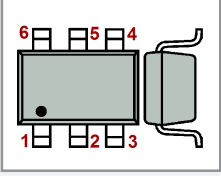
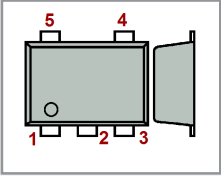
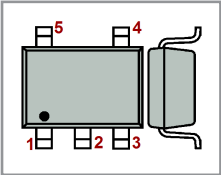
SMD code	Type	Function	Case	Style	Short description	Atr	A.d.	Pin	Sch	Mnf
+AAAA	MAX9718AEUB+	Lin-IC	SOP-10	8d	APA, BTL, 2.7..5.5V 1.4W(5V/4Ω), select s-dwn.	-	-	60/AFP19	AFP19	Max
+AAAB	MAX9718BEUB+	Lin-IC	SOP-10	8d	APA, BTL, 2.7..5.5V, 1.4W(5V/4Ω), select s-dwn.	-	-	60/AFP20	AFP20	Max
+AAAC	MAX9718CEUB+	Lin-IC	SOP-10	8d	APA, BTL, 2.7..5.5V, 1.4W(5V/4Ω), select s-dwn.	-	-	60/AFP20	AFP20	Max
+AAAD	MAX9718DEUB+	Lin-IC	SOP-10	8d	APA, BTL, 2.7..5.5V, 1.4W(5V/4Ω), select s-dwn.	-	-	60/AFP20	AFP20	Max
+AAAJ	MAX9718EEUB+	Lin-IC	SOP-10	8d	APA, BTL, 2.7..5.5V, 1.4W(5V/4Ω), select s-dwn.	-	-	60/AFP20	AFP20	Max
+AAAK	MAX9718FEUB+	Lin-IC	SOP-10	8d	APA, BTL, 2.7..5.5V, 1.4W(5V/4Ω), select s-dwn.	-	-	60/AFP20	AFP20	Max
+AAAL	MAX9718GEUB+	Lin-IC	SOP-10	8d	APA, BTL, 2.7..5.5V, 1.4W(5V/4Ω), select s-dwn.	-	-	60/AFP20	AFP20	Max
+AAAM	MAX9718HEUB+	Lin-IC	SOP-10	8d	APA, BTL, 2.7..5.5V, 1.4W(5V/4Ω), select s-dwn.	-	-	60/AFP20	AFP20	Max
+ACLW	MAX16052AUT+T	Vdet-IC	SOT-23-6	7b	Adjustable sequencing/supervisory, 2.25..16V, ODO	-	-	33	-	Max
+ACLX	MAX16053AUT+T	Vdet-IC	SOT-23-6	7b	Adjustable sequencing/supervisory, 2.25..16V, PPO	-	-	33	-	Max
00	KIC7W00FK	CMOS-Log	US8	8cb	Dual 2-input NAND gate	-	-	55/Log50	Log50	Kec
00	XC74WL00AASR	CMOS-Log	MSOP-8B	8da	Dual 2-input NAND gate	L08	-	55/Log50	Log50	Tor
005	FAN7005MU	Lin-IC	SSOP-8	8d	APA, 2.7..5.5V, 2x300mW(5V/8Ω), s-dwn.	-	-	47/AFP17	AFP17	F
00B	U74HC2G02-SM1	CMOS-Log	MSOP-8	8da	Dual 2-input NOR gate	-	-	55/Log53	Log53	Utc
00BL	U74HC2G02L-SM1	CMOS-Log	MSOP-8	8da	Dual 2-input NOR gate, L-free	-	-	55/Log53	Log53	Utc
00W	U74HC2G00-SM1	CMOS-Log	MSOP-8	8da	Dual 2-input NAND gate	-	-	55/Log50	Log50	Utc
00WL	U74HC2G00L-SM1	CMOS-Log	MSOP-8	8da	Dual 2-input NAND gate, L-free	-	-	55/Log50	Log50	Utc
0101	RS0101YC6	CMOS-Log	SC-70-6	7ge	1-bit bidir. multi-voltage level translator, ODO, PPO	-	61	33/Log121	Log121	Ruc
0101	RS0101YH6	CMOS-Log	SOT-23-6	7ge	1-bit bidir. multi-voltage level translator, ODO, PPO	-	61	33/Log121	Log121	Ruc
0101G	ULSF0101	CMOS-Log	SOT-26	7b	1-channel auto-bidir. multi-voltage level translator, ODO, H-free	-	-	33/Log132	Log132	Utc
0101L	ULSF0101	CMOS-Log	SOT-26	7b	1-channel auto-bidir. multi-voltage level translator, ODO, L-free	-	-	33/Log132	Log132	Utc
011	AP64011-GV	LVR-IC	SOT-23-6	7pa	LDO, 2-out, Vout1/Vout2=3.0V/3.3V±2%, 250mA, +CE, H-free	K14a	-	33x5	VR19	Anw
011	AP64011-PV	LVR-IC	SOT-23-6	7pa	LDO, 2-out, Vout1/Vout2=3.0V/3.3V±2%, 250mA, +CE	-	-	33x5	VR19	Anw
011	EC49222-1-B3F	LVR-IC	SOT-23-6L	7pa	LDO, 2-out, Vout1/Vout2=3.0V/3.3V±2%, 250mA, +CE, L-Free	-	14	33x5	VR19	Ecm
011	EC49222-1-B3G	LVR-IC	SOT-23-6L	7pa	LDO, 2-out, Vout1/Vout2=3.0V/3.3V±2%, 250mA, +CE, H-Free	K14	14	33x5	VR19	Ecm
011	GS6202RQRF	LVR-IC	SOT-23-6L	7b	LDO, 2-out, Vout1/Vout2=3.0V/3.3V±2%, 250mA, +CE	-	-	33x5	VR19	Glo
012	AP64012-GV	LVR-IC	SOT-23-6	7pa	LDO, 2-out, Vout1/Vout2=1.8V/3.0V±2%, 250mA, +CE, H-free	K14a	-	33x5	VR19	Anw
012	AP64012-PV	LVR-IC	SOT-23-6	7pa	LDO, 2-out, Vout1/Vout2=1.8V/3.0V±2%, 250mA, +CE	-	-	33x5	VR19	Anw
012	EC49222-2-B3F	LVR-IC	SOT-23-6L	7pa	LDO, 2-out, Vout1/Vout2=1.8V/3.0V±2%, 250mA, +CE, L-Free	-	14	33x5	VR19	Ecm
012	EC49222-2-B3G	LVR-IC	SOT-23-6L	7pa	LDO, 2-out, Vout1/Vout2=1.8V/3.0V±2%, 250mA, +CE, H-Free	K14	14	33x5	VR19	Ecm
012	GS6202RFQF	LVR-IC	SOT-23-6L	7b	LDO, 2-out, Vout1/Vout2=1.8V/3.0V±2%, 250mA, +CE	-	-	33x5	VR19	Glo
012C	GTL2012DC	CMOS-Log	SOT765-1	8da	2-bit LVTTTL to GTL transceiver	L08	-	55/Log137	Log137	Nxp
012P	GTL2012DP	CMOS-Log	SOT505-1	8da	2-bit LVTTTL to GTL transceiver	L08	-	55/Log137	Log137	Nxp
013	AP64013-GV	LVR-IC	SOT-23-6	7pa	LDO, 2-out, Vout1/Vout2=3.0V/3.0V±2%, 250mA, +CE, H-free	K14a	-	33x5	VR19	Anw
013	AP64013-PV	LVR-IC	SOT-23-6	7pa	LDO, 2-out, Vout1/Vout2=3.0V/3.0V±2%, 250mA, +CE	-	-	33x5	VR19	Anw
013	EC49222-3-B3F	LVR-IC	SOT-23-6L	7pa	LDO, 2-out, Vout1/Vout2=3.0V/3.0V±2%, 250mA, +CE, L-Free	-	14	33x5	VR19	Ecm
013	EC49222-3-B3G	LVR-IC	SOT-23-6L	7pa	LDO, 2-out, Vout1/Vout2=3.0V/3.0V±2%, 250mA, +CE, H-Free	K14	14	33x5	VR19	Ecm
013	GS6202RQQF	LVR-IC	SOT-23-6L	7b	LDO, 2-out, Vout1/Vout2=3.0V/3.0V±2%, 250mA, +CE	-	-	33x5	VR19	Glo
014	EC49222-4-B3F	LVR-IC	SOT-23-6L	7pa	LDO, 2-out, Vout1/Vout2=1.3V/2.8V±2%, 250mA, +CE, L-Free	-	14	33x5	VR19	Ecm
014	EC49222-4-B3G	LVR-IC	SOT-23-6L	7pa	LDO, 2-out, Vout1/Vout2=1.3V/2.8V±2%, 250mA, +CE, H-Free	K14	14	33x5	VR19	Ecm
019A25	LT1019ACS8-2.5	Vref-IC	SOP-8	8db	Prec., Shunt, 2.5V±0.05%	-	-	47mk	RF2	Ltc
019AI5	LT1019AIS8-5	Vref-IC	SOP-8	8db	Prec., Shunt, 5.0V±0.05%	-	-	47mk	RF2	Ltc
01A	AP6401A-GV	LVR-IC	SOT-23-6	7pa	LDO, 2-out, Vout1/Vout2=3.3V/3.3V±2%, 250mA, +CE, H-free	K14a	-	33x5	VR19	Anw
01A	AP6401A-PV	LVR-IC	SOT-23-6	7pa	LDO, 2-out, Vout1/Vout2=3.3V/3.3V±2%, 250mA, +CE	-	-	33x5	VR19	Anw
01A	EC49222-A-B3F	LVR-IC	SOT-23-6L	7pa	LDO, 2-out, Vout1/Vout2=3.3V/3.3V±2%, 250mA, +CE, L-Free	-	14	33x5	VR19	Ecm
01A	EC49222-A-B3G	LVR-IC	SOT-23-6L	7pa	LDO, 2-out, Vout1/Vout2=3.3V/3.3V±2%, 250mA, +CE, H-Free	K14	14	33x5	VR19	Ecm
01A	GS6202RRRF	LVR-IC	SOT-23-6L	7b	LDO, 2-out, Vout1/Vout2=3.3V/3.3V±2%, 250mA, +CE	-	-	33x5	VR19	Glo
01B	AP6401B-GV	LVR-IC	SOT-23-6	7pa	LDO, 2-out, Vout1/Vout2=2.8V/3.3V±2%, 250mA, +CE, H-free	K14a	-	33x5	VR19	Anw
01B	AP6401B-PV	LVR-IC	SOT-23-6	7pa	LDO, 2-out, Vout1/Vout2=2.8V/3.3V±2%, 250mA, +CE	-	-	33x5	VR19	Anw
01B	EC49222-B-B3F	LVR-IC	SOT-23-6L	7pa	LDO, 2-out, Vout1/Vout2=2.8V/3.3V±2%, 250mA, +CE, L-Free	-	14	33x5	VR19	Ecm
01B	EC49222-B-B3G	LVR-IC	SOT-23-6L	7pa	LDO, 2-out, Vout1/Vout2=2.8V/3.3V±2%, 250mA, +CE, H-Free	K14	14	33x5	VR19	Ecm
01B	GS6202RJRF	LVR-IC	SOT-23-6L	7b	LDO, 2-out, Vout1/Vout2=2.8V/3.3V±2%, 250mA, +CE	-	-	33x5	VR19	Glo
01C	AP6401C-GV	LVR-IC	SOT-23-6	7pa	LDO, 2-out, Vout1/Vout2=2.5V/3.3V±2%, 250mA, +CE, H-free	K14a	-	33x5	VR19	Anw
01C	AP6401C-PV	LVR-IC	SOT-23-6	7pa	LDO, 2-out, Vout1/Vout2=2.5V/3.3V±2%, 250mA, +CE	-	-	33x5	VR19	Anw
01C	EC49222-C-B3F	LVR-IC	SOT-23-6L	7pa	LDO, 2-out, Vout1/Vout2=2.5V/3.3V±2%, 250mA, +CE, L-Free	-	14	33x5	VR19	Ecm
01C	EC49222-C-B3G	LVR-IC	SOT-23-6L	7pa	LDO, 2-out, Vout1/Vout2=2.5V/3.3V±2%, 250mA, +CE, H-Free	K14	14	33x5	VR19	Ecm
01C	GS6202RRHF	LVR-IC	SOT-23-6L	7b	LDO, 2-out, Vout1/Vout2=2.5V/3.3V±2%, 250mA, +CE	-	-	33x5	VR19	Glo
01C25A	XC9101C25ASR	DC/DC-IC	SOP-8	8g	PWM, st-up, 2.5V±2.5%, 1.5A	-	09	47xd	DC17	Tor
01C26A	XC9101C26ASR	DC/DC-IC	SOP-8	8g	PWM, st-up, 2.6V±2.5%, 1.5A	-	09	47xd	DC17	Tor
01C27A	XC9101C27ASR	DC/DC-IC	SOP-8	8g	PWM, st-up, 2.7V±2.5%, 1.5A	-	09	47xd	DC17	Tor
01C28A	XC9101C28ASR	DC/DC-IC	SOP-8	8g	PWM, st-up, 2.8V±2.5%, 1.5A	-	09	47xd	DC17	Tor
01C29A	XC9101C29ASR	DC/DC-IC	SOP-8	8g	PWM, st-up, 2.9V±2.5%, 1.5A	-	09	47xd	DC17	Tor
01C30A	XC9101C30ASR	DC/DC-IC	SOP-8	8g	PWM, st-up, 3.0V±2.5%, 1.5A	-	09	47xd	DC17	Tor
01C31A	XC9101C31ASR	DC/DC-IC	SOP-8	8g	PWM, st-up, 3.1V±2.5%, 1.5A	-	09	47xd	DC17	Tor
01C32A	XC9101C32ASR	DC/DC-IC	SOP-8	8g	PWM, st-up, 3.2V±2.5%, 1.5A	-	09	47xd	DC17	Tor
01C33A	XC9101C33ASR	DC/DC-IC	SOP-8	8g	PWM, st-up, 3.3V±2.5%, 1.5A	-	09	47xd	DC17	Tor
01C34A	XC9101C34ASR	DC/DC-IC	SOP-8	8g	PWM, st-up, 3.4V±2.5%, 1.5A	-	09	47xd	DC17	Tor
01C35A	XC9101C35ASR	DC/DC-IC	SOP-8	8g	PWM, st-up, 3.5V±2.5%, 1.5A	-	09	47xd	DC17	Tor
01C36A	XC9101C36ASR	DC/DC-IC	SOP-8	8g	PWM, st-up, 3.6V±2.5%, 1.5A	-	09	47xd	DC17	Tor
01C37A	XC9101C37ASR	DC/DC-IC	SOP-8	8g	PWM, st-up, 3.7V±2.5%, 1.5A	-	09	47xd	DC17	Tor

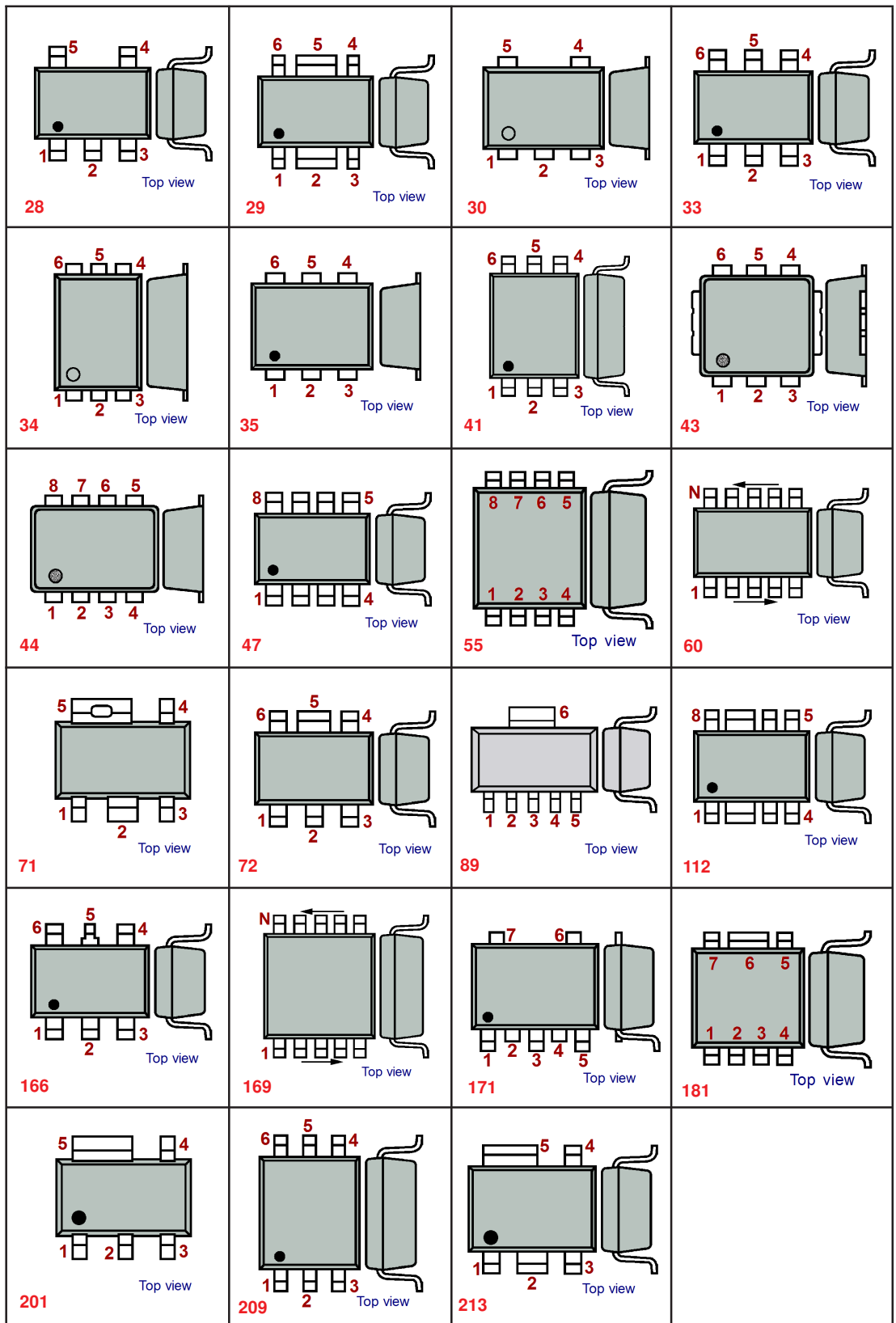


SMD code	Type	Function	Case	Style	Short description	Atr	A.d.	Pin	Sch	Mnf
ZL7	LN5121B027M	DC/DC-IC	SOT-23-6L	7d	PWM st-up, Vf _b =0.27V, 300mA, 1MHz, +CE	-	58	33dd0	LD5	Nln
ZL8	LN5121B028M	DC/DC-IC	SOT-23-6L	7d	PWM st-up, Vf _b =0.28V, 300mA, 1MHz, +CE	-	58	33dd0	LD5	Nln
ZL9	LN5121B029M	DC/DC-IC	SOT-23-6L	7d	PWM st-up, Vf _b =0.29V, 300mA, 1MHz, +CE	-	58	33dd0	LD5	Nln
ZLA	LN5121B030M	DC/DC-IC	SOT-23-6L	7d	PWM st-up, Vf _b =0.30V, 300mA, 1MHz, +CE	-	58	33dd0	LD5	Nln
ZLB	LN5121B031M	DC/DC-IC	SOT-23-6L	7d	PWM st-up, Vf _b =0.31V, 300mA, 1MHz, +CE	-	58	33dd0	LD5	Nln
ZLC	LN5121B032M	DC/DC-IC	SOT-23-6L	7d	PWM st-up, Vf _b =0.32V, 300mA, 1MHz, +CE	-	58	33dd0	LD5	Nln
ZLD	LN5121B033M	DC/DC-IC	SOT-23-6L	7d	PWM st-up, Vf _b =0.33V, 300mA, 1MHz, +CE	-	58	33dd0	LD5	Nln
ZLE	LN5121B034M	DC/DC-IC	SOT-23-6L	7d	PWM st-up, Vf _b =0.34V, 300mA, 1MHz, +CE	-	58	33dd0	LD5	Nln
ZLF	LN5121B035M	DC/DC-IC	SOT-23-6L	7d	PWM st-up, Vf _b =0.35V, 300mA, 1MHz, +CE	-	58	33dd0	LD5	Nln
ZLH	LN5121B036M	DC/DC-IC	SOT-23-6L	7d	PWM st-up, Vf _b =0.36V, 300mA, 1MHz, +CE	-	58	33dd0	LD5	Nln
ZLK	LN5121B037M	DC/DC-IC	SOT-23-6L	7d	PWM st-up, Vf _b =0.37V, 300mA, 1MHz, +CE	-	58	33dd0	LD5	Nln
ZLL	LN5121B038M	DC/DC-IC	SOT-23-6L	7d	PWM st-up, Vf _b =0.38V, 300mA, 1MHz, +CE	-	58	33dd0	LD5	Nln
ZLM	LN5121B039M	DC/DC-IC	SOT-23-6L	7d	PWM st-up, Vf _b =0.39V, 300mA, 1MHz, +CE	-	58	33dd0	LD5	Nln
ZLN	LN5121B040M	DC/DC-IC	SOT-23-6L	7d	PWM st-up, Vf _b =0.40V, 300mA, 1MHz, +CE	-	58	33dd0	LD5	Nln
ZLP	LN5121B041M	DC/DC-IC	SOT-23-6L	7d	PWM st-up, Vf _b =0.41V, 300mA, 1MHz, +CE	-	58	33dd0	LD5	Nln
ZLR	LN5121B042M	DC/DC-IC	SOT-23-6L	7d	PWM st-up, Vf _b =0.42V, 300mA, 1MHz, +CE	-	58	33dd0	LD5	Nln
ZLS	LN5121B043M	DC/DC-IC	SOT-23-6L	7d	PWM st-up, Vf _b =0.43V, 300mA, 1MHz, +CE	-	58	33dd0	LD5	Nln
ZLT	LN5121B044M	DC/DC-IC	SOT-23-6L	7d	PWM st-up, Vf _b =0.44V, 300mA, 1MHz, +CE	-	58	33dd0	LD5	Nln
ZLU	LN5121B045M	DC/DC-IC	SOT-23-6L	7d	PWM st-up, Vf _b =0.45V, 300mA, 1MHz, +CE	-	58	33dd0	LD5	Nln
ZLV	LN5121B046M	DC/DC-IC	SOT-23-6L	7d	PWM st-up, Vf _b =0.46V, 300mA, 1MHz, +CE	-	58	33dd0	LD5	Nln
ZLX	LN5121B047M	DC/DC-IC	SOT-23-6L	7d	PWM st-up, Vf _b =0.47V, 300mA, 1MHz, +CE	-	58	33dd0	LD5	Nln
ZLY	LN5121B048M	DC/DC-IC	SOT-23-6L	7d	PWM st-up, Vf _b =0.48V, 300mA, 1MHz, +CE	-	58	33dd0	LD5	Nln
ZLZ	LN5121B049M	DC/DC-IC	SOT-23-6L	7d	PWM st-up, Vf _b =0.49V, 300mA, 1MHz, +CE	-	58	33dd0	LD5	Nln
ZM	PI5A3157ZACX	CMOS-Log	SC-70-6	7b	SPDT analog switch	-	-	33/Log38	Log38	Per
ZpZ	PUMX1	Si-npn	SOT-363	7aa	Dual, Sw., 50V, 150mA, 200mW, B>120, >100MHz	-	-	33/T8	T8	NxH
ZQ	DDZX36TS	Z-diode	SOT-363	7k	Triple, 36V±2.5%, If=10mA, 200mW	-	02	33dd	-	Di
ZR	DDZX43TS	Z-diode	SOT-363	7k	Triple, 43V±2.5%, If=10mA, 200mW	-	02	33dd	-	Di
ZS0	LN5121B0050M	DC/DC-IC	SOT-23-6L	7d	PWM st-up, Vf _b =0.050V, 300mA, 1MHz, +CE	-	58	33dd0	LD5	Nln
ZS1	LN5121B0055M	DC/DC-IC	SOT-23-6L	7d	PWM st-up, Vf _b =0.055V, 300mA, 1MHz, +CE	-	58	33dd0	LD5	Nln
ZS2	LN5121B0060M	DC/DC-IC	SOT-23-6L	7d	PWM st-up, Vf _b =0.060V, 300mA, 1MHz, +CE	-	58	33dd0	LD5	Nln
ZS3	LN5121B0065M	DC/DC-IC	SOT-23-6L	7d	PWM st-up, Vf _b =0.065V, 300mA, 1MHz, +CE	-	58	33dd0	LD5	Nln
ZS4	LN5121B0070M	DC/DC-IC	SOT-23-6L	7d	PWM st-up, Vf _b =0.070V, 300mA, 1MHz, +CE	-	58	33dd0	LD5	Nln
ZS5	LN5121B0075M	DC/DC-IC	SOT-23-6L	7d	PWM st-up, Vf _b =0.075V, 300mA, 1MHz, +CE	-	58	33dd0	LD5	Nln
ZS6	LN5121B0080M	DC/DC-IC	SOT-23-6L	7d	PWM st-up, Vf _b =0.080V, 300mA, 1MHz, +CE	-	58	33dd0	LD5	Nln
ZS7	LN5121B0085M	DC/DC-IC	SOT-23-6L	7d	PWM st-up, Vf _b =0.085V, 300mA, 1MHz, +CE	-	58	33dd0	LD5	Nln
ZS8	LN5121B0090M	DC/DC-IC	SOT-23-6L	7d	PWM st-up, Vf _b =0.090V, 300mA, 1MHz, +CE	-	58	33dd0	LD5	Nln
ZS9	LN5121B0095M	DC/DC-IC	SOT-23-6L	7d	PWM st-up, Vf _b =0.095V, 300mA, 1MHz, +CE	-	58	33dd0	LD5	Nln
ZSA	LN5121B0100M	DC/DC-IC	SOT-23-6L	7d	PWM st-up, Vf _b =0.100V, 300mA, 1MHz, +CE	-	58	33dd0	LD5	Nln
ZSB	LN5121B0105M	DC/DC-IC	SOT-23-6L	7d	PWM st-up, Vf _b =0.105V, 300mA, 1MHz, +CE	-	58	33dd0	LD5	Nln
ZSC	LN5121B0110M	DC/DC-IC	SOT-23-6L	7d	PWM st-up, Vf _b =0.110V, 300mA, 1MHz, +CE	-	58	33dd0	LD5	Nln
ZSD	LN5121B0115M	DC/DC-IC	SOT-23-6L	7d	PWM st-up, Vf _b =0.115V, 300mA, 1MHz, +CE	-	58	33dd0	LD5	Nln
ZSE	LN5121B0120M	DC/DC-IC	SOT-23-6L	7d	PWM st-up, Vf _b =0.120V, 300mA, 1MHz, +CE	-	58	33dd0	LD5	Nln
ZSF	LN5121B0125M	DC/DC-IC	SOT-23-6L	7d	PWM st-up, Vf _b =0.125V, 300mA, 1MHz, +CE	-	58	33dd0	LD5	Nln
ZSH	LN5121B0130M	DC/DC-IC	SOT-23-6L	7d	PWM st-up, Vf _b =0.130V, 300mA, 1MHz, +CE	-	58	33dd0	LD5	Nln
ZSK	LN5121B0135M	DC/DC-IC	SOT-23-6L	7d	PWM st-up, Vf _b =0.135V, 300mA, 1MHz, +CE	-	58	33dd0	LD5	Nln
ZSL	LN5121B0140M	DC/DC-IC	SOT-23-6L	7d	PWM st-up, Vf _b =0.140V, 300mA, 1MHz, +CE	-	58	33dd0	LD5	Nln
ZSM	LN5121B0145M	DC/DC-IC	SOT-23-6L	7d	PWM st-up, Vf _b =0.145V, 300mA, 1MHz, +CE	-	58	33dd0	LD5	Nln
ZSN	LN5121B0150M	DC/DC-IC	SOT-23-6L	7d	PWM st-up, Vf _b =0.150V, 300mA, 1MHz, +CE	-	58	33dd0	LD5	Nln
ZSP	LN5121B0155M	DC/DC-IC	SOT-23-6L	7d	PWM st-up, Vf _b =0.155V, 300mA, 1MHz, +CE	-	58	33dd0	LD5	Nln
ZSR	LN5121B0160M	DC/DC-IC	SOT-23-6L	7d	PWM st-up, Vf _b =0.160V, 300mA, 1MHz, +CE	-	58	33dd0	LD5	Nln
ZSS	LN5121B0165M	DC/DC-IC	SOT-23-6L	7d	PWM st-up, Vf _b =0.165V, 300mA, 1MHz, +CE	-	58	33dd0	LD5	Nln
ZST	LN5121B0170M	DC/DC-IC	SOT-23-6L	7d	PWM st-up, Vf _b =0.170V, 300mA, 1MHz, +CE	-	58	33dd0	LD5	Nln
ZSU	LN5121B0175M	DC/DC-IC	SOT-23-6L	7d	PWM st-up, Vf _b =0.175V, 300mA, 1MHz, +CE	-	58	33dd0	LD5	Nln
ZSV	LN5121B0180M	DC/DC-IC	SOT-23-6L	7d	PWM st-up, Vf _b =0.180V, 300mA, 1MHz, +CE	-	58	33dd0	LD5	Nln
ZSX	LN5121B0185M	DC/DC-IC	SOT-23-6L	7d	PWM st-up, Vf _b =0.185V, 300mA, 1MHz, +CE	-	58	33dd0	LD5	Nln
ZSY	LN5121B0190M	DC/DC-IC	SOT-23-6L	7d	PWM st-up, Vf _b =0.190V, 300mA, 1MHz, +CE	-	58	33dd0	LD5	Nln
ZSZ	LN5121B0195M	DC/DC-IC	SOT-23-6L	7d	PWM st-up, Vf _b =0.195V, 300mA, 1MHz, +CE	-	58	33dd0	LD5	Nln
ZT	PI5A124T	CMOS-Log	SOT-23-6	7pa	SPDT analog switch	-	-	33/Log85a	Log85a	Per
ZT	PI5A124TE	CMOS-Log	SOT-23-6	7pa	SPDT analog switch, H-free	-	-	33/Log85a	Log85a	Per
ZT-	2N7002BKs	n-MOSFET-e	SOT-363	7aa	Dual, T-MOS, 60V, 300mA, 445mW, R _{ds} =1.3Ω(50mA), 5/12ns	K05b	-	33/T13	T13	NxH
ZTp	2N7002BKs	n-MOSFET-e	SOT-363	7aa	Dual, T-MOS, 60V, 300mA, 445mW, R _{ds} =1.3Ω(50mA), 5/12ns	-	-	33/T13	T13	NxH
ZTt	2N7002BKs	n-MOSFET-e	SOT-363	7aa	Dual, T-MOS, 60V, 300mA, 445mW, R _{ds} =1.3Ω(50mA), 5/12ns	-	-	33/T13	T13	NxM
ZTw	2N7002BKs	n-MOSFET-e	SOT-363	7aa	Dual, T-MOS, 60V, 300mA, 445mW, R _{ds} =1.3Ω(50mA), 5/12ns	-	-	33/T13	T13	NxC
ZtZ	PUMX1	Si-npn	SOT-363	7aa	Dual, Sw., 50V, 150mA, 200mW, B>120, >100MHz	-	-	33/T8	T8	NxM
ZU04	KIC7WZU04FK	CMOS-Log	US8	8cb	Triple unbuffered inverters	-	-	55/Log56	Log56	Kec
ZU04	TC7WZU04FU	CMOS-Log	SSOP8-P-0.65	8a	Triple unbuffered inverter	-	-	55/Log56	Log56	Tos
ZU4	NC7WZU04P	CMOS-Log	SC-70-6	7ma	Dual inverter	-	-	33/Log24	Log24	F
ZwZ	PUMX1	Si-npn	SOT-363	7aa	Dual, Sw., 50V, 150mA, 200mW, B>120, >100MHz	-	-	33/T8	T8	NxC
ZZ	HSMS-286R	Si-diode	SOT-363	7mc	Quad, Schottky, 5V, Vf<0.6V(30mA), Cd<0.3pF, Rd=10Ω	-	-	33/D26	D26	Agi
ZZ	PEMX1	Si-pnp	SOT-666	7aa	Dual, Sw., 40V, 100mA, 200mW, B>120, >100MHz	-	-	35/T8	T8	Nxp
Z-Z	PUMX1	Si-npn	SOT-363	7aa	Dual, Sw., 50V, 150mA, 200mW, B>120, >100MHz	-	-	33/T8	T8	NxH



SECTION 3
Conventional case drawings. Pin assignment



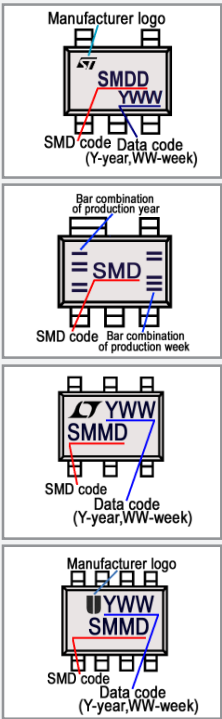


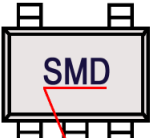
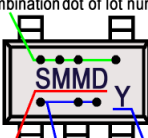
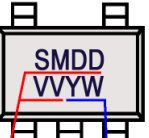
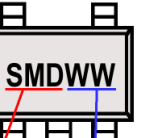
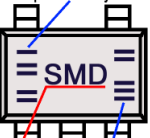
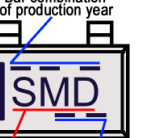
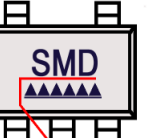
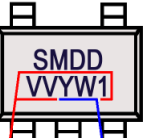
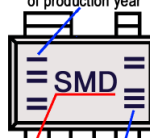
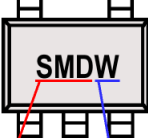
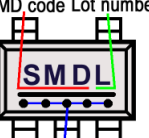
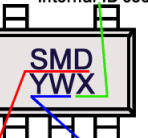
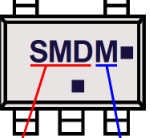
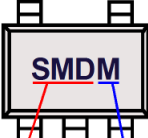
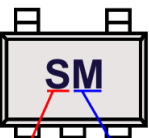
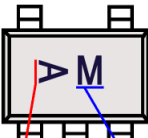
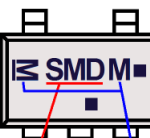
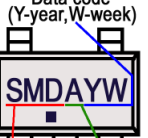
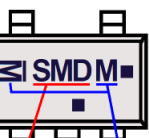
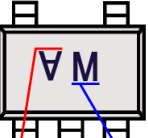
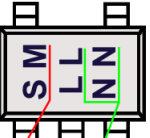
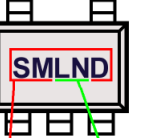
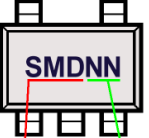
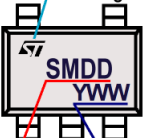
SECTION 4
Pinout (table)



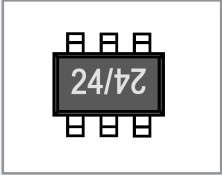
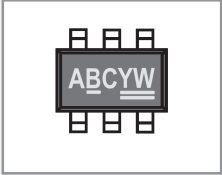
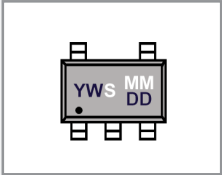
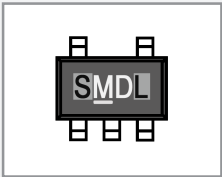
	PIN 1	PIN2	PIN3	PIN4	PIN5	PIN6	PIN7	PIN8
a0	GND	Output	Vcc	+Input	-Input	-	-	-
a1	GND	GND	RF input	GND	GND	RFout/Vcc	-	-
a2	N/C	Anode	Cathode	N/C	Adjust	-	-	-
a3	CE	GND	Vinput	Voutput	Adjust	N/C	-	-
a4	CE	Vinput	Voutput	Switch	GND	Feedback	-	-
a5	No data.	See dsheet.	See sch	-	-	-	-	-
a7	CE	GND	SSC	Vinput	Voutput	-	-	-
a8	Test	GND	Tdet	N/C	Vcc	-	-	-
a9	Tdet	GND	Test	Vcc	-	-	-	-
aa	RF input	GND	RFout/Vcc	-	-	-	-	-
aa*	A1=CE/MODE	A3=Voutput	B2=Lx	C1=Vinput	C3=GND	-	-	-
ab	RF input	GND	GND	RF output	GND	Vcc	-	-
ab*	A1=CE/MODE	A3=Feedb.	B2=Lx	C1=Vinput	C3=GND	-	-	-
ac	Vcc	GND	RF input	GND	GND	RF output	GND	GND
ac*	A1=CE	A2=Vinput	B1=GND	B2=Voutput	-	-	-	-
ad	Input	GND	Vcc	Output	GND	-	-	-
ad*	A1=CE	A3=Vinput	B2=Lx	C1=Voutput	C3=GND	-	-	-
ae	RF input	CTRL	Vcc	RF output	GND	GND	-	-
ae*	A1=Gate	A2=Source	B1=Drain	B2=Source	-	-	-	-
af	N/C	Vinput	N/C	GND	N/C	Voutput	N/C	N/C
af*	A1=Vinput	A3=Vout	B2=GND	C1=CE	C3=Pow. God	-	-	-
ag	Contact	Contact	N/C	-	-	-	-	-
ah	Emitter	Emitter	Base	Emitter	Emitter	Collector	-	-
ai	GND	Vcc	RF input	RF output	-	-	-	-
aj	GND	RFout/Vcc	GND	RF input	-	-	-	-
ak	N/C	Cathode	Anode	-	-	-	-	-
am	RFout/Vcc	GND	RF input	CTRL	-	-	-	-
am1	CTRL	RF input	GND	GND	RF output	Vcc	GND	-
am2	RF input	CE	GND	RF out	Vcc	-	-	-
an	Output	GND	Input	Vcc	GND	-	-	-
ao	Cath.(Anode)	N/C	Cath.(Anode)	An.(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	CE	SS	Voutput	Vinput	GND	Vbias	-	-
av	Vbias	GND	Vinput	Voutput	SS	CE	-	-
aw	CE	Ilim	Voutput	Vinput	GND	Vbias	-	-
ax	Vbias	GND	Vinput	Voutput	Ilim	CE	-	-
ax*	A1=CE1	A2=Vout1	B1=GND	B2=Vinput	C1=CE2	C2=Voutput2	-	-
ay	GND	GND	RF input	Vcc	Enable	RF output	-	-
az	Vinput	N/C	Voutput	N/C	N/C	N/C	GND	CE
b0	IN1	POS	Vin	Vout	CE	GND	IN2	NEG
b1	Terminal	Gate	Terminal	-	-	-	-	-
b2	Cathode	Anode	GND	-	-	-	-	-
b3	Lx	GND	Voutput	N/C	N/C	-	-	-
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	A2=Vcc	B1=Reset	B2=MR	-	-	-	-
be*	A1=CE	A3=Cb	B2=GND	C1=Voutput	C3=Vinput	-	-	-
bg	Cathode1	Cathode2	Anode2	N/C	Anode1	-	-	-
bg*	A1=Voutput	A2=Vinput	B1=Adj	B2=CE	C1=GND	C2=Vbias	-	-
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	-	-	-
bk*	A1=Voutput	A2=Vinput	B1=GND	B2=CE	-	-	-	-

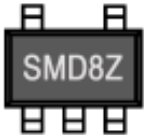
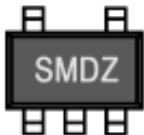
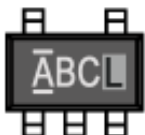
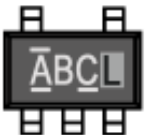
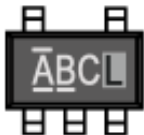
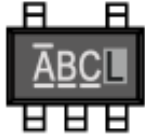
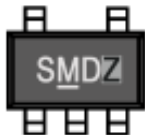
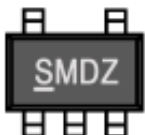
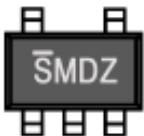
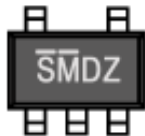
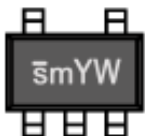
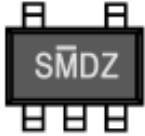
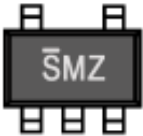
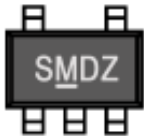
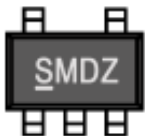
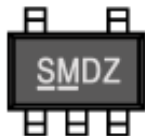
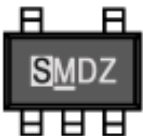
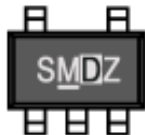
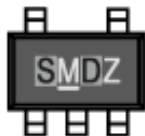
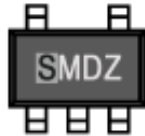
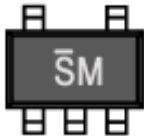
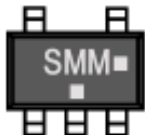
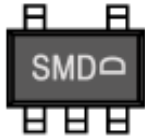
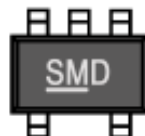
SECTION 5
SMD-code marking style



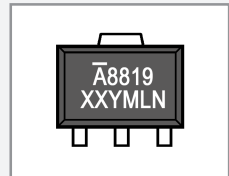
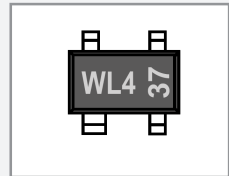
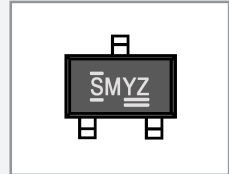
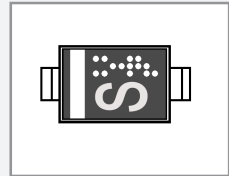
6a  SMD code	6aa  Combination dot of lot number SMD code Prod. week Combination dot of prod. year	6ab  SMD-code Data code (Y-year, W-week)	6ac  SMD-code Data code (week)
6ad  Bar combination of production year SMD code Bar combination of production week	6ae  Bar combination of production year SMD code Bar combination of production week	6af  SMD code	6ag  SMD-code Data code (Y-year, W-week)
6ah  Bar combination of production year SMD code Bar combination of production week	6ai  SMD-code Data code (week)	6aj  SMD code Lot number Combination dot of production year, week	6ba  Internal ID code SMD code Data code (Y-year, W-week)
6bb  SMD code Data code	6bc  SMD code Data code	6bd  SMD code Data code	6be  SMD code Data code (rotate 90°)
6bf  SMD code Data code	6bg  Data code (Y-year, W-week) SMD code Assembly location	6bh  SMD code Data code	6bk  SMD code Data code (rotate 180°)
6c  SMD code Lot number	6ca  SMD code Lot number	6cb  SMD code Traceability code	6d  Manufacturer logo SMD code Data code (Y-year, WW-week)

SECTION 6
SMD-code marking attribute



 F01	 F02	 F03	 F04
 F05	 F06	 F07	 F08
 F09	 F09a	 F09b	 F09c
 F09d	 F10	 F10a	 F10b
 F10c	 F10d	 F10e	 F10f
 F12a	 F13	 F15	 F16a

SECTION 7
Additional production data info



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

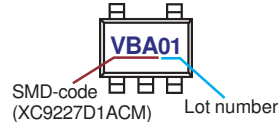
Manufacturer: **Tor (Torex Semiconductor LTD):**

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:



Marking example:



Production data

Manufacturer: **Anw (Anwell Semiconductor Corp.)**

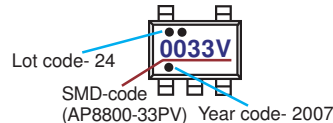
Dot above product code: Lot Code:

1			•	17	•		•
2			•	18	•		•
3			•	19	•		•
4		•	•	20	•	•	•
5		•	•	21	•	•	•
6		•	•	22	•	•	•
7		•	•	23	•	•	•
8	•		•	24	•	•	•
9	•		•	25	•	•	•
10	•		•	26	•	•	•
11	•		•	27	•	•	•
12	•	•		28	•	•	•
13	•	•	•	29	•	•	•
14	•	•	•	30	•	•	•
15	•	•	•	31	•	•	•
16	•						

Dot under product code: Year Code:

2003			
2004			•
2005	•	•	
2006	•	•	•
2007	•		
2008	•		•
2009	•	•	
2010	•	•	•

Marking example:



Manufacturer: **Ape (Advanced Power Electronics Corp.)**

Code Year

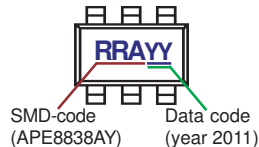
YY 2004, 2008, 2012

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

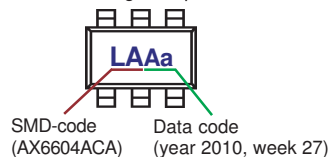
9 2009

A 2010

B 2011

C 2012

Marking example:

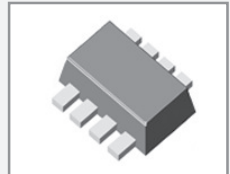
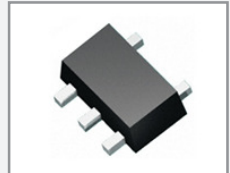
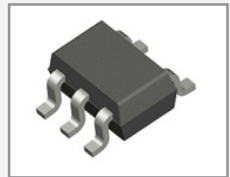


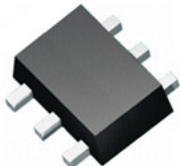
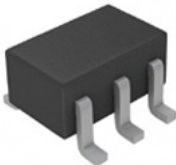
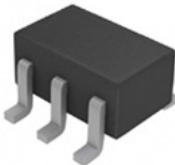
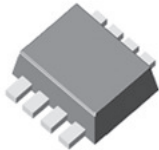
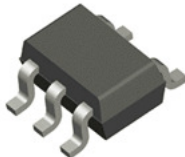
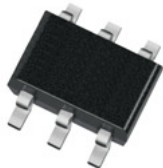
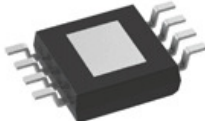
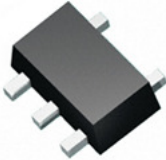
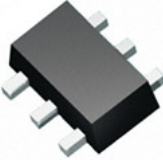
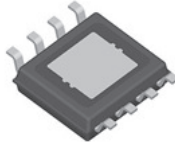
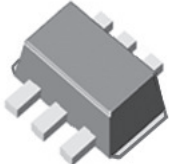
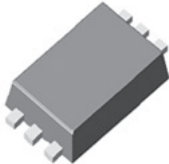
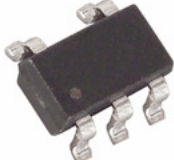
Manufacturer: **Di (Diodes Inc.)**

Y : Year : 0~9XXX

W : Week : A~Z : 1~26 week; a~z : 27~52 week; z represents 52 and 53 week

SECTION 8
Case drawings

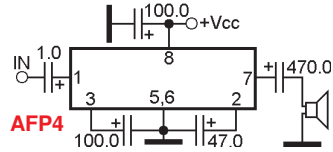
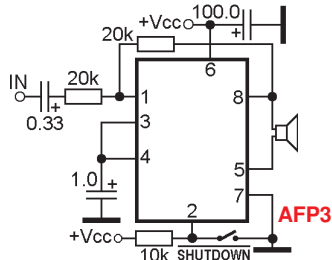
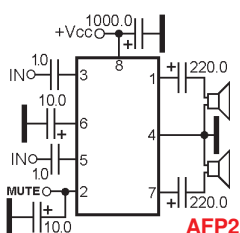
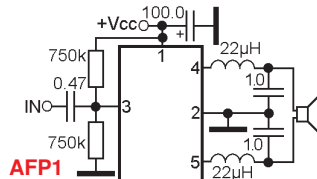
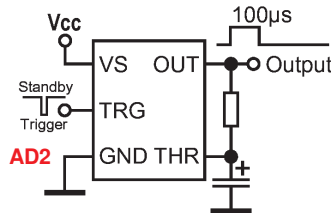
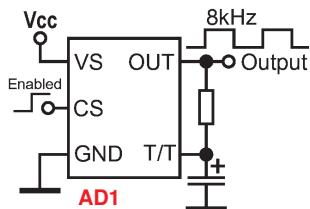
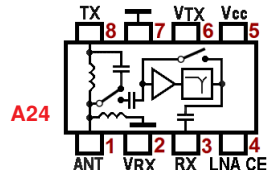
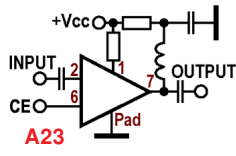
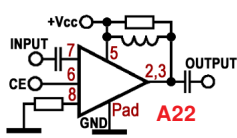
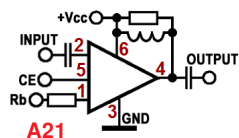
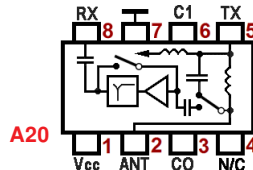
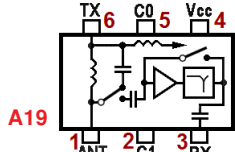
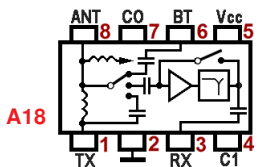
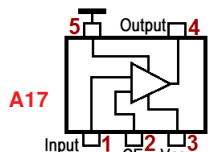
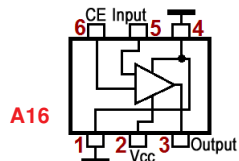
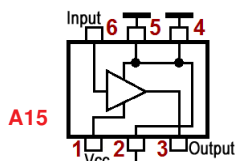
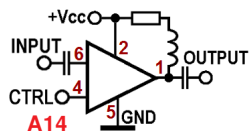
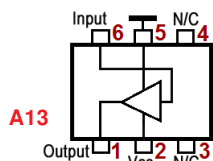
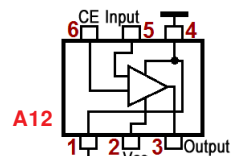
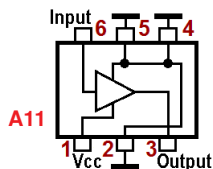
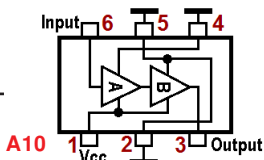
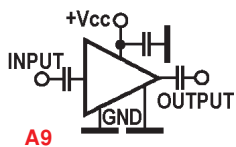
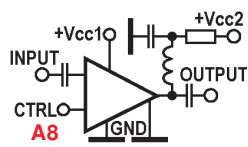
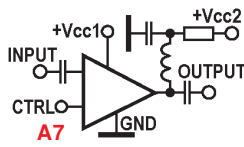
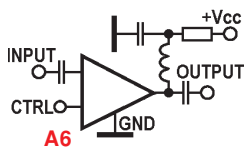
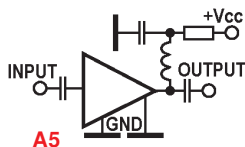
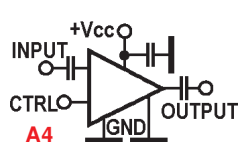
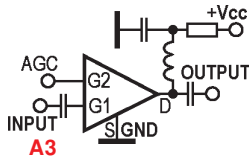
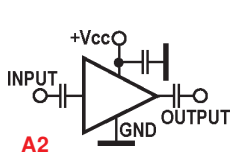
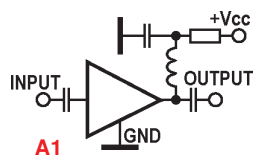


			
2-1F1C	2-1F1D	2-2J1A	2-2J1B
			
2-2L1A 2-2L1B	2-2N1A 2-2N1G	2-3L1C	2-3N1A
			
CMLPAK-5 CP5	CMLPAK-6	CP6 SOT-6	EMSOP-8B
			
EMT5 ES SON-5	EMT6 HSNT-6	ES6 SMini6-F3-B	ESOP-8 HSOP-8E
			
FTUSM-6 HVSO6	HSNT-6A	HSON-6 SNT-6A SON-6	HSOP-6J
			
HVSO5 SOT-665	MCPH5 MPAK-5	MICRO8	Mini5-G1 SMini5-G1

SECTION 9

Sample schematic diagram







SECTION 10

Manufacturers logos and URL





3PK- 3PEAK Inc.
<http://www.3peakic.com.cn>



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



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



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



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



Afs- Analog Future Chip Co., Ltd.
<http://www.afsemi.com/>



Agi- Agilent Technologies
www.semiconductor.agilent.com



Agm- Agamem Microelectronic
<http://www.agamem.com.tw>



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



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



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



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



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



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



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



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



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



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



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



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



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



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



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



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



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



Apl- Applied Power Microelectronics
<http://www.appliedpowermicro.com/>



Apm- AKM Semiconductor Inc.
<http://akm.com/index.asp>



Apo- A Power Microelectronics Semi Co., Ltd.
<http://apm-mos.com>



Ark- ARK Microelectronics Co., Ltd.
<https://www.ark-micro.com/>



Asc- Ascend Semiconductor Co., Ltd
<http://www.ascendsemi.com/>



Ask- Asahi Kasei Microdevices Corp.
<https://www.akm.com/global/en/>



Asm- AMS AG
<http://www.ams.com/eng>



Atc- AutoChips Inc.
<https://www.autochips.com/>



Atr- Aimtron
<http://www.aimtron.com.tw>



Auk- AUK Semiconductor Corp.
<http://www.auk.co.kr>



Avg- Avago Technologies
<http://www.avagotech.com/pages/home/>



Avi- Avic Electronics Corp.
<http://www.avictek.com>



Awn- Awinic Technology
<http://www.awinic.com.cn/Product.aspx>



Axl- AXELite Technology Co., Ltd
www.axelite.com.tw/



Axp- Analog Express Corp.
<http://www.analogexpress.com>



Bb- Burr-Brown Corp.
<http://www.burr-brown.com>



Bcd- BCD Semiconductor Manufacturing Limited
<http://www.bcdsemi.com/en/index.aspx>



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