

SECOND BOOK OF
TRANSISTOR
EQUIVALENTS

AND
SUBSTITUTES

BY
B. B. BABANI

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Although every care is taken with the preparation of this book, the publishers will not be responsible for any errors that might occur.

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Without the help of my Secretary, Miss Pauline Pragnell, my labour would have been very much heavier.

B. B. BABANI
LONDON - 1974

TRANSISTOR VERGLEICHSTABELLE

**TABELLE DI COMPARAZIONE
DI TRANSISTORI**

TABLES D'EQUIVALENCE TRANSISTORS

TRANSISTOREN VERGELIJKINGSTABELLEN

TRANSISTORES-EQUIVALENCIAS

TRANSISTORES Y REEMPLAZAOS

INTRODUCTION

Up to now, to the best knowledge of the author, there has been no book available at a reasonable price to assist Service Engineers, Home Constructors, Designers and Amateurs in determining the best available transistors to replace a given type.

This need was provided for in my First Book of Transistor Equivalents and Substitutes published in 1971 and reprinted at least 10 times since that date with more than one million copies having been sold.

At least 36,000 new types of transistors have been introduced in the last two years and it is because of this that I have prepared this the Second Book of Transistor Equivalents and Substitutes. This book contains no material that appeared in the First Book - BP1 - but includes all new transistors and their equivalents that have appeared since 1971. For complete coverage of this important field, both books are needed.

It will be realised by all users of transistors, that one cannot guarantee absolute equivalents as in the case of many electronic valves. Therefore, the only way to handle the replacement problem, is by careful consideration being given to every characteristic of both the required transistor and its possible alternatives. This has been done in the preparation of this book.

It should be carefully noted however, that in many cases the possible alternatives may be different in appearance or size and when replacing, carefully check if space is available to take the replacement.

It is also recommended that where high frequency transistor circuitry is involved and when replacements are being used, slight re-alignment may be necessary. This is also advised even if the replacement transistor is of identical type number to the one that is being replaced. In extreme cases, neutralisation may have to be provided even when unnecessary in the original circuit. This is due in the main, to comparatively large ranges of inter-electrode capacitances normally found in transistors.

As this book contains many thousands of transistors, it has been necessary to use some form of abbreviation in listing the possible replacements for a required transistor type.

For example, in the first page of the book, if one looks at the alternatives for type 2G302, the replacement types shown read as follows:

AF185.2N1305-1307.SK3004

This means that for the type 2G302, one can use as an alternative the AF185 or 2N1305 or 2N1307 or SK3004 respectively, there being no particular preference indicated in the order that the replacements are listed.

It should be noted that in the first column, the listing is shown in numerical /alphabetical order.

Included in this book are transistors of Pro-Electron, British, German, Dutch, U.S.A., Japanese, Czech, Polish and European manufacture. Thus, virtually, all known types that have possible replacements have been included.

The author has taken every care possible in the compilation of the data in this book, but neither the author nor the publishers can accept any responsibility for any errors that may be present.

B. B. BABANI
LONDON - JANUARY 1974

Transistors detailed in this book include products of the following manufacturers :-

AEG	Intermetall	Semiconductors
AEI	IRC	SES
Aker's	ITT	Sesco
AMD	LCT	SGS
AmpereX	LRC	Sharp
Amroh	LRT	Shindengen
Archer	LTT	Siemens
ASC	Lucas	Signetics
Associated	Mallory	Silec
Ates	Matsushita	Silicon T C
BBC	MBLE	Siliconix
Belvu	Meco	Solid State
Bendix	Micro	Solitron
Bre	Microstate	Sony
Bradley	Microwave	Sperry
BTH	Miniwatt	Sprague
CBS	Mistral	STC
Clevite	Mitsubishi	Sylvania
Continental	Motorola	Tadiran
Cosem	Mullard	Tekade
Ditratherm	National	Telefunken
Delco	NEC	Tesla
Ebauches	Newmarket	Texas
Eberle	Nortron	Thorn,
ECC	Pacific	TI
Fairchild	Philco-Ford	Toshiba
Fanon	Philips	Transitron
Ferranti	Piher	Trans-Sil
FTR	Plessey	TRW
GE	Raytheon.	Tung-Sol
GEC	RCA	Tungsram
GI	RFT	Valvo
GTC	RIZ	Western
Hitachi	RTC	Westinghouse
Hughes	Sanyo	
Industro	Semicon	

COLOUR CODE ABBREVIATIONS USED ON TRANSISTORS

B	Black	Zwart	Noir	Schwarz	Nero	Negro	Preto
BL	Blue	Blauw	Bleu	Blau	Azzurro	Azul	Azul
BR	Brown	Bruin	Brun	Braun	Bruno	Moreno	Castanho
G & GR	Green	Groen	Vert	Grün	Verde	Verde	Verde
OR	Orange	Oranje	Orange	Orange	Arancia	Naranja	Laranja
R	Red	Rood	Rouge	Rot	Rosso	Rojo	Encarnado
V	Violet	Violet	Violet	Violett	Violetta	Violeta	Violeta
W	White	Wit	Blanc	Weiss	Bianco	Bianco	Branco
Y	Yellow	Geel	Jaune	Belb	Giallo	Amarillo	Amarelo

EQUIVALENTS OF U.S.A. CONSUMER TYPE TRANSISTORS.				
ARCHER	DIRECT	R.C.A. & U.S.A.	PRO-ELECTRON	G.E.
RS276-2001	2N1304	SK3010	AC127	HEP641
RS276-2002	2SA221		AC130	HEP3
RS276-2003	2SD187	SK3005	AC107	HEP252
RS276-2004	2SB22 Or	SK3003	ACY19	HEP254
RS276-2005	2SB22 Y	SK3004	AC109	HEP200
RS276-2006	2SD407	SK3009	AD103	HEP629
RS276-2007	2N1305		ASY28	
RS276-2008	2N5058	SK3045		
RS276-2009	2N2222	SK3020	BC107	HEP50
RS276-2010	2N2484		BCY59	
RS276-2011	2N918		BFY27	HEP56
RS276-2012	A5T5058	SK3018		
RS276-2013	TIS97		BC147	HEP726
RS276-2014	2N5449			
RS276-2015	2N4996			HEP720
RS276-2016	A5T3904	2N4286/7	BC113	HEP54
RS276-2017	SP8918	2N4910/2		
RS276-2018	T1P29	SK3024	BLY61	HEP 243
RS276-2019	T1P33			
RS276-2020	T1P3055			
RS276-2021	2N2907		BC143	HEP51
RS276-2022	2N2605		BC177A	
RS276-2023	A5T2907	2N5056/7	BC116	HEP52
RS276-2024	2N5447		BC154	HEP57
RS276-2025	SP8919	SK3025		HEP242
RS276-2026	T1P30	2N4919	BD138	HEP246
RS276-2027	T1P34	2N4901/2		HEP700
RS276-2028	A5T3821	T1S14	.BC178B	HEP801
RS276-2029	2N4891			

2G101/2	AC126-163-171-173, 2SB459, 2N506-2907, AF139, NKT677F.
2G106	AF106-192-256, BFX48, BSW19-72, NKT674F, 2N2273-2873-4916-5354.
2G108/9	AC126-163-171-173, 2SB459, 2N2429-2907.
2G110	AF106-192-256, BFX48, BSW19-72, NKT674F, 2N2273-2873-4916-5354.
2G138	AF185, SK3005.
2G139	AF106-185, SK3005.
2G140	AF185, SK3005.
2G141	AF106-185.
2G201/2	AC117R-128-153, 2SB370, 2N2431-4106.
2G240	AU103-105, 2SB468, SK3014.
2G270/1	AC114-128-132-153, 2SB222, 2N2431-4106, SK3004.
2G301	AC114-128-153, AF185, 2SB222, 2N1305-2431-4106.
2G302	AF185, 2N1305-1307, SK3004.
2G303/4	2N1305-1307.
2G306	2N1309, SK3004.
2G308	2N1305-1307, SK3004.
2G309	2N1309.
2G319/20	AC126-128-163-171, 2SB383, 2N1190-2429, SK3005.
2G339	AC127, 2SD96, 2N2430, SK3010.
2G371	AC117K-121V-128-131-132-152V-184, 2S32, 2N610-1305, OC318, NKT213, SK3005.
2G374	AC121VII-128-131-132-152V-184, 2SB415, 2N1309, OC318, SK3005.
2G377	NKT217.
2G381	AC117K-128-153-180, 2SB222, 2N467-1305, SK3004.
2G382	AC117K-128-153-158, 2SB370, 2N1305-1373-4106.
2G383	ACY17, SK3005.
2G384	ACY18, SK3004.
2G385	ACY19, SK3004.
2G386	ACY18-20, SK3004.
2G387	ACY21, SK3004.
2G401/2	AF106-127-185-190, 2SA230.
2G415	AF124.
2G417	AF127.
2G526	ACY24K, ASY48-80-81, 2SB89, 2N527, SK3005.
2G577	ACY24K, ASY48-77-81, 2SB89, 2N241, SK3005.
2G1024/5/6	ACY24K, ASY48-77-81, 2SB89, 2N241, SK3006.

2N24A	ACY24K, ASY48-77.
2N34	AC122R-125-151-151IV, 2N1191-2429.
2N34A	AC122R-126-151IV-163-171, 2N1191-2429.
2N35	AC179-185-186, 2N2430.
2N35A	AC127-130, 2N2430, 2SD11.
2N36	AC122R-125-151IV, 2N1191-2429-2431.
2N37	AC125-151IV, OC304, 2N1191-2429-2431.
2N38	AC122R-151IV, OC304, 2N1191-2429-2431.
2N38A	AC151IV, 2N1191-2429-2431.
2N40	AC162-170, 2N706A-1191.
2N41	AC125-151, 2N404-1190-2447, 2SB459.
2N42	AC125-151, 2N404-1190-2447, 2SB459.
2N43/A	AC131/30-132-184, OC318, 2N525.
2N44	AC131/30-132-184, OC318, 2N524-2431.
2N45	AC122/30-131/30-151, 2N404-524.
2N48	2N706A.
2N47	AC122R-125-151IV, 2N404-1191.
2N48	AC122R, OC304, 2N404-1191-2431.
2N49	AC122R-151IV, OC304, 2N404-1191-2431.
2N50	AC122-125-151, 2N404-1191.
2N51	AC122-122R-125-151, OC304, 2N404-1191.
2N52	AC122-151, 2N404-1191, 2SB222.
2N53	AC151, 2N404-1191.
2N54	AC122-122R-125-151, OC304, 2N1191-2429-2431.
2N55/56	AC122-122R-151IV, OC304, 2N404-1191.
2N57	AC122-151IV, 2N1191, TI3027.
2N59/ABC	AC122G-122/30-126-151IV-VI, 2N1193, 2SB32.
2N60	AC122G-126-151VI, OC304, 2N404-1193.
2N60A	AC122-122/30-126-151IV-VI, 2N61A-1193-6147, 2SB222.
2N60B	AC122-122/30-126-151IV-VI, 2N1193-6147, 2SA219.
2N61	AC122-122Y-125-126-128-131-151-151IV-V, OC304, 2N1192-2431.
2N61A	AC122-125-126-131/30-151IV-V, 2N60-524-1192.
2N61B	AC126-131/30-151IV-V, 2N60-61-1192.
2N61C	AC122-125-131/30-151IV-163, ACY33, 2N60-61-1192, 2SB220.
2N62	AC122-122R-125-131/30-151IV, OC304, 2N109- 403-1191.
2N63	AC122R-125-151IV, OC304, 2N1191-2429.
2N64	AC122R-125-151IV, 2N1191-2429.
2N65	AC122Y-126-151IV-VI, 2N1193-2429.
2N66	AD148-155-162, 2N643, TI3027.
2N68	AD139-148-155-162, TI3027.
2N69	AC122-125, 2N1190.
2N71	AC122-125, 2N404-1190.
2N72	AC122-125, 2N1190.
2N73	AC122-125, 2N1190.
2N74	AC122-125, 2N1190.
2N75	AC125, ACY24K, 2N1190.
2N76	AC162-170, 2N1191.
2N77	AC151, 2N465-565.
2N78/A	ASY29-70-80, 2N1302.
2N79	AC128-171-173, 2N1191-2429.

2N80	AC122-128-171-173, 2N2429.
2N81	AC125-128-171-173, 2N1191-2429.
2N82	AC128-171-173, 2N1191-2429.
2N83	AD148V, CTP1104, LT5036.
2N83A	AD148V, OC30, OD603, 2SB240.
2N84	AC124-128K-153, 2N109-4106.
2N85	AC131-131/30-184, BSX19, 2N1924, BSY63.
2N86	AC124R-131-153-184, 2N2429-4106.
2N87	AC124R-153, 2N2431-4106.
2N88	AC129V, AFY69, 2N109.
2N89	AC129V.
2N90	OC66.
2N93	AC162-170-173.
2N94	ASY26-2N1304.
2N94A	ASY26-74, OC140.
2N95	LT5210.
2N96	AC128-171-173.
2N97	AC127-179, ASY28, 2N169A-1302-2430.
2N97A	AC127-79, 2N169A-438-2450.
2N98	ASY26, 2SA155, 2N1304.
2N98A	ASY26-73, 2N169A-444.
2N99	ASY26, 2N169A-1306.
2N100	ASY73, 2N1306.
2N101	AD139-155.
2N102	ASY28, 2N1302, LT5210.
2N103	ASY28, 2N650-1302.
2N104	AC124R-128, OC304, 2N650-4106.
2N105	AC151-162, 2N650-1191.
2N106	AC122R-124R-128-151IV-153, OC304, 2N1191-4106.
2N107	AC122R-151IV-170, OC304, 2N1191.
2N108	AC125-170.
2N109	AC117K-122R-125-151IV-153K, OC304, 2N187A-217-1191.
2N110	AC163-171, 2N2429, 2SB383.
2N111	AF106-126-132-136-196, HS23D, 2N147,
2N111A	AF126-132-136-196.
2N112	AF132-136-137-196, 2N579.
2N112A	ASY26, AF126-132-136-196, 2N118.
2N113	AF106-115-127-132-136-190-196, 2N416.
2N114	AF132-136-137-196, 2N417.
2N115	AD130III-149-150-179, T13029.
2N116	AC129V, OC57, 2N133A.
2N117	2N4264.
2N118	BD130, 2N118A-3055-4264.
2N118A	BD130, BDY10, MPS834, 2N3055.
2N119	BD130, 2N3055-4264.
2N120	BD130, MPS3704, 2N3055.
2N123	AF106, 2N1303.
2N124	ASY26, 2N1302.
2N125	ASY27-74, 2N1304.
2N126	ASY27.
2N127	ASY28, 2N1304.
2N128	AF126-135.
2N129	AF135.



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BY

B.B.BABANI

**COMPANION VOLUME
TO BOOK NO. BP1**

95 p

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2N130A	AC122/30-131-152-162, ASY48, 2SB224, 2N402-650-1413-1924.
2N131	AC122-122Y-151V, OC304, 2N569-1192.
2N131A	AC122-125-131/30-153, ASY48, 2N568-651, 2SB103.
2N132	AC122-122Y-125-151-151V, OC304, 2N446-1190-1192.
2N132A	AC125-151, 2N641-651-1190-1413, 2SB32.
2N133	AC122-122Y-125-151-151V, OC304, 2N1190-1192.
2N133A	2N651.
2N135	AF126-132-136-196, AFY15.
2N136	AF106-126-132-136-190-196.
2N137	AF106-127-132-136-190-196.
2N138	AC128-163-171, OC305, 2N4106.
2N138A	2N1008-1128-4106.
2N138B	AC117-128-153, OC318, 2N270-4106, 2SA219.
2N139	AF106-126-136-190-196, AFY15, 2N1638, 2SA36.
2N140	AF125-131-135-195, AFY15, SFT354, 2N1639.
2N141	AD139-148V.
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2N145	2N1302.
2N146	2N1302, AUY19.
2N147TL	AUY19.
2N155	AD133-138-148-149, TI3027, 2N301, 2SB107.
2N156	AD133-138, TI3027, 2N176.
2N157	AD133-138-150IV, 2N1022A-1038-1530-1531.
2N157A	AD131-138/50, OC26-30-35, OD603, 2N1014-1532.
2N158	AD131-138-166, OC35, TI156-3027, 2N1532-2139.
2N158A	AD131-138, OC35, TI3027, 2N1532-2141.
2N160/A	MPS3706.
2N161/A	MPS3706.
2N162/A	MPS3393.
2N163/A	MPS3393.
2N166	ASY26-73, 2N1304.
2N167	2N1306.
2N168	ASY26, 2N1306.
2N169	AC127, ASY29-74, 2N1308.
2N169A	ASY29-74-75, 2N78.
2N170	ASY27, 2N1308.
2N172	ASY27, 2N1308, 2SA206.
2N173	AD138/50, TI3027.
2N174	AUY21-28, OC35, TI3027.
2N174A	ADZ12, TI3027.
2N175	AC122Y-125-151V, 2N1192-2613.
2N176	AD130-166, TI3027, 2N2869.
2N178	AD166, TI3027.
2N180	AC122Y-125-128-151V, OC304, 2N109-1192.
2N181	AC122Y-125-131-151V-162, 2N1192.
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2N183	ASY27, 2N1302.
2N184	2N1306.
2N185	AC122-122R-125-151IV-153, OC304, 2N650-1191-2430.
2N186	AC122-122R-125-151IV-153, OC304, 2N1191-4106.
2N186A	AC125-128-131-151, 2N270-1191.

2N187 AC122-122R-125-151IV, OC304, 2N319-1191-4106.
2N187A AC117-128-153, 2N270-1191, 2S37.
2N188 AC122-122R-125-151IV, OC304, 2N1191-2430.
2N188A AC131-132-152-162-184, 2N320-1191.
2N189 AC131-151IV, 2N270-1191, 2SB219-222.
2N190 AC122-131-151-151IV, 2N322-1191.
2N191 AC131-151V-153, 2N323-1190-1192.
2N192 AC122G-131-151VI, 2N324-1191-1193.
2N193 AC122, 2N1302.
2N194 AC122, 2N1302.
2N194A ASY73.
2N195 AC131.
2N196 AC131, 2N4106.
2N197 AC131, 2N4106.
2N198 AC131-163, 2N4106.
2N199 AC131-163, 2N4106.
2N200 AC126-128-131-153, OC71, 2N2429.
2N204 AC128-131-138-151V, OC71, 2N1373-1377.
2N205 AC128-131-138-151V, OC71, 2N1372-1377.
2N206 AC122G-126-151VI-153, OC41, 2N1193-1372-1377.
2N207 AC122R-125-151IV, 2N1191-1372-1377.
2N207A AC122-122G-125-126-151-151VI, OC304, 2N535A-1193-1372, 2SB221.
2N207B AC107-122-122G-125-126-132-150-151VI-163, OC304, 2N535B-1193.
2N211 AF190, 2N1302.
2N212 2N1302.
2N213 2N1304.
2N213A AC127.
2N214 AC125-185-186, 2N1192-1304.
2N215 AC122-125-128-151, OC304, 2N217-404-1189.
2N216 AC127-128, 2N1302.
2N217 AC128-131/30-151V-152-180, 2N404-1192-4106.
2N218 AC121IV, AF126-132-136-196, AFY15; 2N204-404-1638.
2N219 AC121V, AF126-132-136-197, SFT307, 2N140-404-1638.
2N222 AC126, 2N2429-2439.
2N223 AC125-131-151, 2N404-2431-4106.
2N224 AC125-131-151-184, 2N404-1192-4106.
2N225 AC106-117-128-131-153, 2N224-404-1193-4106.
2N226 AC125-131-151-184, OC308, 2N404-1406-2431.
2N227 AC117-128-153, OC308, 2N404-1406.
2N228 AC128-153.
2N229 AC127, 2N1302-2430.
2N230 AD150, 2N2836.
2N231 AF132-136-137-196, 2N139-404.
2N232 AF136-137-196, OC45, 2N139-404.
2N233 AC127, 2N1306.
2N233A AC130.
2N234 AD149IV, OC26, TI156-3027, 2N554.
2N234A AD149-149V-150, OC26, TI3027, 2N301-555.
2N235 AD131, OC26, TI3027, 2N3611.
2N235A OC26, TI3027, 2N3611, AD131, AUY19.

2N235B AD131-138-149, OC26, TI3027, 2N3613.
2N236 AD131, TI3027, 2SB250A.
2N236A AD131-149, OC26, TI3027, 2N301, AUY19.
2N236B AD131-149, OC26-30, TI3027, 2N1078, 2SB107A.
2N237 AC128, AD131-149, 2N404.
2N238 AC122-122R-125-151IV, 2N404-1191-4106.
2N239 AC117-122-122R-125-151, 2N1191-4106.
2N240 AC122R, 2N404.
2N241 AC125-131-151-163-184, 2N404-4106.
2N241A AC125-131-151, 2N321.
2N242 AC128-131-163, 2N281-4106, 2SB221-248A.
2N243 BSY45.
2N247 AF131-135-136-195, 2N2188.
2N248 AF131-135-136-195, 2N2188.
2N250 AD130V-138, 2N250-456A-3611.
2N251 AD138/50-149, AUY22III, 2N301A-456A-1530,
 2SB201.
2N251A 2N251-456A.
2N252 AF106, 2N2188.
2N253 2N1302.
2N254 2N1302.
2N255 AD148, TI3027, 2N554.
2N256 AD148, TI3027.
2N256A AD148-149, TI3027.
2N257 AD138-150IV/V, TI3027, 2N3611, 2SB-107A.
2N258 MPS3703.
2N259 MPS3703.
2N260/A MPS3703.
2N261 MPSA55.
2N262/A MPS6522.
2N263 MPS3704.
2N264 MPS3394.
2N265 AC125-128-151, 2N1175.
2N266 AC117-128-151-153, 2N408.
2N267 AF131-135-136-195, 2N2188.
2N268 AD132II, AUY28, TI3027, 2N1530.
2N268A TI3027.
2N269 ASY14, ASZ15, TI3027, 2N1303.
2N270 AC122G-128-131-151VI, 2N404-1193-4106.
2N271/A GALLEY FOUR
2N272 AF126-132-136-196, AFY15, ASY27, 2N2905.
2N273 AC117-117R-153, BC261, GFT32, 2N4106.
2N274 AC128, 2N4106.
2N276 2N2188.
2N277 AF126-132-137-196.
2N278 AD133-138, AUY31.
2N279 AD133-138/50, AUY31.
2N280 AC122/30-128-151IV, 2N119-650-2431-4106.
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2N329 GFT31/15, MPS3703, SFT124.
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2N1136	AD133-138, ADZ11, ASZ18, AUY21, MPS249, TI3027.
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2N1618	BDY11-90, BFY34, 2N1724-3488.
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2N1633	AF106-126-132-136-185-196, 2SA230, 2N2635.
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2N1638	AF130-134-136-194, 2SA235, 2N2635-3325.
2N1639	AF124-127-130-134-135-194, 2SA235, 2N2635-3325.
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2N1643	MPS3702, 2N2944-2945.
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2N1646	AF106-201-202, 2SA230.
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2N1654/5/6	2N2944-2945-4410.
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2N1666	AUY22II/III, T13027, 2SB341.
2N1667	ASZ16, AUY21/III/IV-23III-28, T13027, 2SB341.
2N1668	AD130-138-149, ASZ16-17, AUY21IV, T13027, 2SB341.
2N1669	ASZ16-18, AUY22III, T13027, 2SB341.
2N1670	2N398.
2N1671A	BC160, 2N1132-1671.
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2N1704	MPS6530, 2N1893-2243A.
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2N1711	BFY46, BSX45/10, BSY54-71, MPS6530, 2N2219/A.
2N1711A/B	MPS6530.
2N1714	BFY50.
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2N1742	AF106-124-127-137, GMO760, 2N2996.
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2N1760	AD130-138-149, AUY21III, 2SA341, 2N2143.
2N1761	AUY21II-28, 2SA341, 2N2144.
2N1762	2N2145-2567.
2N1763	MPS2369, 2N3014.
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2N1918	BC160, BCY12, MPS404, 2N1132-2944-2945.
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2N1920	BCY29, BCZ12, 2N2944-2945-4402.
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2N1922	BCZ12, MPSH54, 2N2944-2945.
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2N1941	MPS3705.
2N1943	MPSA05, 2N1893-2243A.
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2N1950	2N4264.
2N1951/2	2N4123.
2N1953	MPS2711.
2N1954	2N651-2000.
2N1955	2N1190-2000.
2N1956	2N651-2000.
2N1957	2N1187-2000.
2N1958/A	2N3903.
2N1959/A	2N3903.
2N1960/1	2N964.
2N1962/3	MPS834, 2N2369A-3011.
2N1964/5	2N2537-3015-3903.
2N1968	2N2997.
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2N1972	MPS6530, 2N2219.
2N1973	BC141/10, BFX85, BSX46-46/10, MPS6530, 2N2219.
2N1974/5	BC141/6, BF109, BFX85, BSX46-46/6, 2N3489-3498-4410.
2N1983	BCY65, BF177, BFX85, BSY92, MPS6530, 2N2218.
2N1984	BFX85, BFY33, BSX95, BSY10-91, MPS6530, 2N2218.
2N1985	BFX84, BFY33, BSX95, BSY91, MPS6530, 2N1893.
2N1986	BFY65, MPS6530, 2N2218.
2N1987	BFY65, BSX45, MPS6530, 2N2218.
2N1988/9	MPS6530, 2N1893-2243A.
2N1990	BFY45-65, BSW66-69, BSX21, 2N696/69/7-4410.
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2N1991	BFX29, MPS6535, 2N1132-2905.
2N1992	2N2369A-3011-4264.
2N1993	2N1302-1306.
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2N2000	ACY24, ASY48.
2N2002/3	2N2944-2945-4125.
2N2004/5	MPS404A, 2N2944-2945.
2N2006/7	MPS6516, 2N2944-2945.

2N2008	2N2990-5401.
2N2015/6	2N3715.
2N2017	MPSA05.
2N2018/9	2N3738-3996.
2N2020/1	2N3738.
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2N2033	2N3420.
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2N2035/6	2N4911.
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2N2039	MPSA06.
2N2040	MPS6573.
2N2041	MPSA06.
2N2048	AF106, GMO760, 2N2835-2955.
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2N2060/A/B	MPSA06.
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2N2063A	AD131IV-138-149,-TI3027.
2N2064	AD130/4, OC26, 2N2836.
2N2064A	AD132III, ASZ15, TI3027, 2SB472.
2N2065 A	AD132III, ASZ15, TI3027-3030, 2SB472.
2N2066	AD131/4-132-138/50-149, GFT4012, SFT250, 2N1532.
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2N2183	MPSL08, 2N2944-2945.
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2N2185	2N2944-2945-4125.
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2N2192A/B	BFX85, MPS6531, 2N2243A.
2N2193	BFY55, BSX45, MPS6531, 2SC708, 2N2218/A-2243A.
2N2193A	BSW53, BSX46, BSY46-85, MPS6531, 2N2243A.
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2N2195A/B	BFY50, MPS6530.
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2N2218	BCW77/16, BSW51, BSX45-60, MPS6530, 2SC479, 2N2219.
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2N2219	BCW25-77/16, BSW52, BSX45-61-74, BSY34, MPS6530.
2N2219A	BCW78, BSW54, MPS6530.
2N2220	MPS6530, 2N2221-2222.
2N2221	BCW73/16, BSW61, BSX34-45, MPS6530, 2N2220-2222.
2N2221A	BC474/16, BSW63, MPS6530.
2N2222	BCW25-73/16, BFY34, BSW62, BSX45, BSY44, MPS6531, 2N2221.
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2N2236	BSX73, BSY34, MPS834, 2N2193-2218-2243A-3053.
2N2237	BSX73, BSY58, MPS834, 2N2192-2218-2243A-2292-3053.
2N2239	MPSA10, 2N3766.
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2N2243	BSW65, MPS6530, 2N2219.
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2N2270	MPS6530, 2N2102-2243A-3053.
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2N2314	MPSA06, 2N698-2243A.
2N2315	MPSA20, 2N699-2222-2243A.
2N2316	MPSA20, 2N1893-2243A.
2N2317	2N1613-4410.
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2N2354	MPS2712, 2N1302.
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2N2431	AC117-128-153-153IV/V/VII, 2SB770A, 2N1377-1381.
2N2432	BCY59, 2N4123.
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2N2484	BC107-107B, BCY59-65EIX, BFX93A, MPSA05, 2SC648, 2N2483.
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2N2613	AC126-151-151VI-160-160G, 2SC459, 2N404-2429.
2N2614	AC126-151-160-160G-163, 2N404-2429.
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2N2651	2N2501-3554-5223.
2N2652/A	MPSA05, 2N2639.
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2N2695	BC328, BCY78, 2N2907-4126.
2N2696	BCY78, V763, 2N2837-2906-2907-4126.
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2N2707	AC124-128-153, 2N2704.
2N2708	BFX62, BFY88-90, MPS6513, 2N918.
2N2709	2N2944-2945-4126.
2N2710	MPSH24.
2N2711	BC108-168A-238A, MPS2711, TIS98, 2SC458, 2N3709.
2N2712	BC168A-172-183-208-238/A/B, MPS2712-6565, 2SC458, TIS98, 2N2926-3710.
2N2713	BC168A-238A, MPS2713, TIS98, 2SC458, 2N2926- 3709.
2N2714	BC168A-172-183-208-238/A, BSX38, MPS2714-6565, TIS98, 2SC458, 2N708-2926-3710.
2N2715	BC168A-238A, MPS2715, TIS98, 2SC458, 2N3663.
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2N2786	AF139, AFY18, 2N2218.
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2N2801	BC160/6-10, BFX87, 2N1132-3244-3905.
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2N2815	2N4002.
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2N2845 to 8	MPS6531, 2N2218-2537-3015-4123.
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2N2857	BFX62, BFY88-90, MPS6543, 2SC463, 2N918.
2N2858/9	2N4410.
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2N2865	BF180, BSY62-70, MPS3563, 2SC321.
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2N2869	AD131/III-138/50-149, ASZ18, AUY22, MP2015, 2SB471, 2N301-3614.
2N2870	AD138/50, ASZ18, AUY21II-22-28, MP2016, 2SB340, 2N301A-3617.
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2N2886	MPS3705, 2N696-697.
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2N2891	BD140, BDY12, BFY65, BSX47-47/10/16, 2N2991- 3421-4410.
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2N2981/2	MPSA06, 2N2223.
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2N3009	BSX20, BSY18-21, MPS2369, 2SC321, SK3122.
2N3010	BSX19-20, BSY18-21, MPS2369, 2N2369A, SK3039.
2N3011	BSS12, BSX20, BSY19-62B-63, MPS6516, 2N2369, SK3039.
2N3012	BC178VI, BSY62-70, MM2894, MPS3640, V763, 2N2894, SK3114.
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2N3054	BDY13, BUY38-46.
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2N3071	E201.
2N3072	BFX29, 2N2904/5-5086, SK3114.
2N3073	BCY70, 2N2906/7-5086, SK3114.
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2N3077	MPSA05, 2N2484, SK3020.
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2N3081	MPSH54, SK3114.
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2N3108	BFX84, BFY44-55, BSX45-46/16, BSY46, MPS46, MPSA06, 2N1613.
2N3109	BFY51, MPSA06, 2N697.
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2N3120	BFX87, 2N2800-3905, SK3025.
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2N3122	MPS3705, SK3122.
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2N3136	MPS6534, 2N3906, SK3114.
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2N3241	MPS3397, SK3020.
2N3241A	BC140-16, BSX75, MPS3397, 2N2222, SK3020.
2N3242	MPS3397, 2N730-2222, SK3020.
2N3242A	BC140-10, BSX75, MPSA20, 2N730-2222, SK3020.
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2N3251	BC177, BCY71-79VII, 2N3250-4125, SK3114.
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2N3252	BFY51-55, BSX45, BSY34, 2N2218-3250-4400.

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2N3261	BSS10, BSX20, MPS2369, SK3122.
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2N3309/A	BSW51, 2N2218-3553.
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2N3390	BC108/C-130C-168-173C-183C/LC-238C, MPS6521-6565, TIS98, SK3020.
2N3391	BC108-173-183-238/B, MPS6515-6565, TIS98, SK3020.
2N3391A	BC108-109-148B-169B-173-184/LB-238B-239, MPS6520-6565, TIS98-SK3020.
2N3392	BC108-109-130A-168/A-172-183-238/A, MPS3392-6565, 2SC458, 2N2926/Y-3711, TIS98, SK3020.
2N3393	BC108-130A-167A-172-183-208-238, MPS3393-6565, TIS98, 2SC458, 2N2926/0-3710, SK3020.
2N3394	BC108-130A-168A/B-172-183-208-238, MPS3394-6565, TIS98, 2SC458, 2N2926/R-3709, SK3020.
2N3395	BC108-130-168A/B/C-172-183-208-238, MPS3395-6565, TIS98, 2SC458, 2N371/SK3020.
2N3396	BC108-130-168A/B/C-183, MPS3396-6565, TIS98, 2SC458, 2N3710, SK3018.
2N3397	BC108-130-168A/B/C-183, MPS3397-6565, TIS98, 2SC458, 2N3710, SK3020.
2N3398	BC108/A-130/A-168A/B/C-183, MPS3398-6565, TIS98, 2SC458, 2N3710, SK3020.
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2N3415	BC108B-183-338, MPS6515-6565, 2N3704-3711-5449, SK3020.
2N3416	BC107A-141-182/LA-337, MPS6515-6566, 2N3704-5449, SK3020.
2N3417	BC107B-182/LB-337, MPS6515-6566, 2N3704-5449, SK3020.
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2N3425	MPSH32, 2N3014.
2N3426	2N3303-4265.
2N3427/8	2N1377, SK3004.
2N3429	2N3713.
2N3430	2N3714.
2N3435	MPSH05.
2N3436	E203.

2N3437	E202.
2N3438	E201.
2N3439	2N5058.
2N3440	MPSU10, SK3021.
2N3441	BUY14, 2N3442.
2N3442	BDX11, BUY12, SK3079.
2N3444	BFY55, BSY45-61, BSY46, MPSH04.
2N3445	2N3715, SK3027.
2N3446/7	2N3715, SK3027.
2N3448	2N3716, SK3027.
2N3450	2N4410.
2N3451	MPSL07, SK3114.
2N3452	E202.
2N3453/4	E201.
2N3455	E202.
2N3456/7	E201
2N3458	E232.
2N3459	E230.
2N3460	E201.
2N3462	MPS6573, SK3020.
2N3463	MPS6576, SK3020.
2N3465/6	E202.
2N3467	BC160, 2N2905-3905.
2N3468	2N2905-3905.
2N3469	2N3420, SK3024.
2N3476	BUY12-56/4, 2N3442.
2N3478	BF173, MPS6548, TA2606, SK3019.
2N3485/A	BCW76/10, SK3114, 2N2906A-2907.
2N3486/A	BCW76/16, SK3114, 2N2907/A.
2N3493	2N4252-4265, SK3039.
2N3494	MPSU56, SK3025, 2N2605.
2N3495	2N2605-5400.
2N3496	MPSU56, 2N2605.
2N3497	2N2605-5400.
2N3498	2N697-698-4410.
2N3499	2N4410-5058.
2N3500/1	2N2243A-5550, SK3104.
2N3502	BC161, 2N2905-3602-3906, SK3025.
2N3503	BC161-161/16, MPSA55, 2N2905/A, SK3025.
2N3504/5	BC161-161/16, 2N2907-3906, SK3114.
2N3506	2N2989-3903, SK3024.
2N3507	MPSH05, 2N2989, SK3024.
2N3508	2N4123, SK3039.
2N3509	2N4123, SK3020.
2N3510	2N4123, SK3122.
2N3511	2N4264, SK3039.
2N3512	2N2218-2537-3015-4400.
2N3513	MPSA10, 2N2639-2640.
2N3514/5	MPSA10.
2N3516	MPSA05, 2N2639.
2N3517	MPSA05.

2N3518	MPSA05, 2N3046.
2N3519	MPS6512.
2N3520	MPS6512, 2N3043.
2N3521	MPSA05, 2N2643-3043.
2N3522	MPSA05, 2N2643.
2N3523	MPSA05.
2N3524	MPSA05, 2N2639-2640.
2N3526	2N4410.
2N3527	MPS3705, 2N2944-2945-SK3019.
2N3543	BDY61.
2N3544	MPS6511, 2N918, SK3039.
2N3545	2N4126, SK3114.
2N3546	MPS3639, 2N2894-3576, SK3114.
2N3547/8	MPSA55, SK3114.
2N3549	MPSA55, 2N2604-2605, SK3114.
2N3550	MPSA55, 2N2944-2945, SK3114.
2N3553	BFW47, BSX60.
2N3554	MPS6530.
2N3563	MPS3563, TIS62, SK3018.
2N3564	MPS6541, SK3018.
2N3565	BC108-130-172-183-208-238, MPS6514-6565, TIS98, 2SC485, SK3020.
2N3566	MPS6514, 2N5449, SK3020.
2N3567	MPS6530, SK3024.
2N3568	BC337, MPSA06, SK3020.
2N3569	MPSA05, MPS6531, SK3020.
2N3570	BFX89, SK3018.
2N3571	2N3570, SK3018.
2N3572	BFX89, BFY88, 2N3570, SK3018.
2N3573/4	E270.
2N3575	E176.
2N3576	2N4126.
2N3577	2N4410.
2N3578	E270.
2N3579	MPSH04, 2N2604-2605, SK3114.
2N3580	MPSH04, 2N2605, SK3114.
2N3581	MPSH55, 2N2605, SK3114.
2N3582	MPSA70, 2N2605, SK3114.
2N3585	BDY94, 2N3767.
2N3586/7	MPS6530.
2N3588	AF178-201, 2SA239, 2N2495, SK3006.
2N3592/3/4	2N5551.
2N3597	2N3767-4002.
2N3598	2N3446-4002.
2N3599	2N3447-4002.
2N3600	BFX62, BFY88, MPS3563, 2N918, SK3019.
2N3605	BSX80, BSY62, MPS3646, 2N914, TIS48, SK3019.
2N3605A	BSX20, BSY63, MPS3946, 2SC321.
2N3606	BSY62, MPS3646, TIS48, SK3019.
2N3606A	BSX20, BSY63, MPS3646-3946, 2SC321.
2N3607	BSX20-80, BSY62-70, MPS3946, TIS48, 2SC321, SK3019.

2N3611	AUY21IV, TI3027, SK3009.
2N3612	AUY21IV, SK3009.
2N3613/4	AUY21V, TI3027, SK3009.
2N3615	ASZ16, AUY22IV, TI3027-3031, SK3009.
2N3616	ASZ15, AUY22IV, 2N456A-3146, SK3009.
2N3617	ASZ16, AUY22V, TI3027-3030, SK3009.
2N3618	AUY22V, 2N456A-3146, SK3009.
2N3632	BLY23-60.
2N3633	MPS3640, SK3039.
2N3634/5	2N5400.
2N3636/7	2N5401.
2N3638/A	MPS3638, TIS50, 2N5447, SK3025.
2N3639	MPS3639, TIS53, SK3114.
2N3640	MPS3640, TIS54, SK3114.
2N3641	BCW36, MPS6530, 2N5449, SK3018.
2N3642	BC337, BCW36, MPS6530, 2N2219-5449, SK3122.
2N3643	BFR41, MPS6531, 2N2219-5449, SK3024.
2N3644	BC327, MPS6516, TIS50, 2N5449, SK3114.
2N3645	MPSA55, TIS50.
2N3646	BSX80, BSY34, MPS3646, TIS55, 2N4422, SK3019.
2N3647	2N3303-4123.
2N3648	2N3303-4123, SK3039.
2N3659	2N5058.
2N3660	2N3719.
2N3661	2N3720.
2N3662	BF200-224J, MPS3563, SK3039.
2N3663	BF224J, MPS3563, SK3018.
2N3665/6	2N2432.
2N3667	2N3715, SK3036.
2N3671	MPS6533, 2N2905, SK3025.
2N3672/3	MPS6533, 2N2905, SK3114.
2N3675	2N4238.
2N3676	2N4239.
2N3677	2N2944-2945-4125, SK3025.
2N3678	MPS3693.
2N3680	MPS6530.
2N3681	MPS3563, 2N3570.
2N3682	MPS6532, 2N918, SK3039.
2N3683	MPS6543, 2N3570.
2N3684/A	E231.
2N3685/A	E230.
2N3686/A-7/A	E201.
2N3688/9	MPSH24, SK3039.
2N3690	MPSH20, SK3018.
2N3691	MPS6512, TIS98, SK3018.
2N3692	MPS6513, SK3020.
2N3693	MPS3693, SK3039.
2N3694	MPS3694, SK3018.
2N3695	E270.
2N3696	E176.
2N3697/8	E270.
2N3700	BSX47/10, 2N4410, SK3045.
2N3701	BSX47/6, 2N4410.

2N3702	BC157-177-257A-261-308VI, MPS3702, 2SA585, SK3025.
2N3703	BC147-157-177-257VI-261-307VI-370B, MPS3703, 2SA585, SK3114.
2N3704	BC140-337/16, MPS3704, 2N2222, SK3024.
2N3705	BC140-337-337/16, MPS3705, 2N2221, SK3020.
2N3706	BC140-168-337/16-338, BSX75, MPS3706, 2N2222, SK3020.
2N3707	BC149-149B-167B-169B-173-173B-184-209-209B-237A-370, MPS3707-6520, 2SC458, SK3020.
2N3708	BC147A-167A-B-C-171A-207A-237A, MPS3708-6566, 2SC458, SK3020.
2N3709	BC147A-167-A-170-171A-207A-237A, MPS3709-6566, 2SC458, SK3020.
2N3710	BC147A-167A/B-171/A-182-207/A-237/A, MPS3710-6565, 2SC458, SK3020.
2N3711	BC107-147B-167A/B/C-171B-207B-237B, MPS3711-6566, 2SC458, SK3020.
2N3712	BD115, 2N5551, SK3045.
2N3713	BDY34/4, SK3036.
2N3714	BDY39/4, SK3036.
2N3715/6	BDY39/6, SK3036.
2N3717	BSY34.
2N3718/20	BSX62/6-10, 2N5333, SK3025.
2N3721	BC168A/B/C, MPS3721-3731, 2N3710, SK3020.
2N3722	BSX46/6-10, 2N3015-4400.
2N3723	BSX47/6-10, 2N3015-4410, SK3104.
2N3724	BSX60-73, BSY34-58, 2N3725-4123.
2N3725	BSX59-73, BSY34, MPS3725.
2N3726/7	MPS6518.
2N3728/9	MPS6530.
2N3731	AU106, SK3035.
2N3732	AUY22-28, SK3034.
2N3733	2N3632.
2N3734/A	MPS6532.
2N3735/A	2N4409.
2N3736/A	MPS6532.
2N3737	2N3725-4409.
2N3737A	2N4409.
2N3738	BSX59, BU126, SK3021.
2N3742	MPSU10, 2N5058.
2N3743	MPSU10.
2N3744 to 52	2N3996.
2N3762	2N3244-3905, SK3025.
2N3763	2N3905, SK3025.
2N3764/5	2N2907-3486-3905, SK3025.
2N3766	BD124, BDY13-13/10.
2N3767	BDY13/10.
2N3771	BDX41, 2N5301, SK3036.
2N3772	BDX40, 2N5302, SK3036.
2N3773	BD124, BDX50, BDY12, BUY12-56/4.
2N3774	2N4234, SK3025.

2N3775	2N4235, SK3025.
2N3776	2N4236, SK3025.
2N3777	2N4033-4236.
2N3778	2N4234, SK3025.
2N3779	2N4235.
2N3780/1	2N4236, SK3025.
2N3782	2N4234, SK3025.
2N3783/4	TIXM101, 2N5043.
2N3790	2N3789.
2N3791/2	BC167-168/A-171-182-207-237, MPS6530, 2N3709,
2N3793	SK3020.
2N3794	BC167-168/A-172-183/L-208-238, MPS6531, SK3020.
2N3798	2N2605-5086, SK3114.
2N3799	2N2605-5087, SK3114.
2N3800/1	MPSA55, 2N3350-3352.
2N3802	MPSA55, 2N3347-3350.
2N3803	MPSA55, 2N3350/1.
2N3804 to 11	MPSA55, 2N3350.
2N3812 to 16	MPSA55, SK3114.
2N3817/A	MPSA55.
2N3819	E304, SK3118.
2N3820	E176, SK3116.
2N3821	E202.
2N3822	E210.
2N3823	E304.
2N3824	E114.
2N3825	BC109-173-184-209, MPS3398, SK3039.
2N3826	MPS3826, 2N4994, SK3018.
2N3827	MPS3827, 2N4995, SK3018.
2N3828	BC107-109-171-173-182-207, MPS6565, SK3122.
2N3829	2N3964-4125, SK3114.
2N3830	BFX34, 2N4409.
2N3831	BD131, 2N4409.
2N3832	BSY19, 2N4265, SK3039.
2N3836	2N4409.
2N3837	2N4410.
2N3838	BC107-172-182-207, MPS6565.
2N3839	BFX62, MPS6541, 2N3570/1.
2N3840	2N2945/6-5086, SK3114.
2N3841	MPSL51, 2N2945/6.
2N3842	2N2945/6-5400.
2N3843	MPS6512, SK3122, 2N3709.
2N3844	MPS6512, SK3122.
2N3844/A	2N3709, SK3122.
2N3845	BC107-109-171-173-182-207, MPS6512-6565, 2N3710,
	SK3039.
2N3845A	MPS6513, SK3039.
2N3850 to 3	2N3998.
2N3854	MPS6512, SK3039.
2N3854A	MPS6512/3, 2N3709, SK3039.
2N3855	BC107A-182, MPS6512-6566, SK3039.

2N3855A	BC238A, MPS6512, SK3039.
2N3856	BC107A/S-108-168B-182-238A/B, MPS6513-6566.
2N3858A	MPS6513, SK3039.
2N3857	MPSA55, 2N2944/5, SK3114.
2N3858	MPS6512, TIS98, 2N3710, SK3122.
2N3858A	BC182LA, MPS6566, TIS98, SK3122.
2N3859	MPS6513, TIS98, 2N3711, SK3020.
2N3859A	BC182LB, MPS6566, SK3122.
2N3860	MPS6514, TIS98, 2N3711, SK3039.
2N3862	2N4123, SK3122.
2N3863	2N3715, SK3036.
2N3864	2N3716, SK3036.
2N3866	BFX55, SK3024.
2N3867	2N3905-5333, SK3025.
2N3868	2N5086-5333, SK3025.
2N3877	BF178, BSS34, TIS98, 2N4410, SK3024.
2N3877A	BSS35, 2N4410, TIS98.
2N3878	BD124, BDY13/C, SK3021.
2N3880	MPS6543, SK3122.
2N3881	MPS6530.
2N3900	BC183LB, TIS98, 2N5088, SK3020.
2N3900A	BC184LB, TIS98, 2N5088, SK3020.
2N3901	2N5088, SK3020.
2N3903	BC167A-237A, BF195, BFY19.
2N3904	BC167A-237A, BF194/5, BFY19, BSY34, SK3024,
2N3905	BC212-251-307/A, BCY70, SK3114.
2N3906	BC212-251-307/A, BCY70, SK3025.
2N3907	MPS6576, 2N2915.
2N3908	MPSAO6, 2N2916.
2N3909/A	E176.
2N3910	2N2944-5086.
2N3911/2	2N2944/5-5086, SK3114.
2N3913	2N2944/5-5086.
2N3914	2N2906-2944/5-5086, SK3114.
2N3915	2N2944/5-5086.
2N3921	E400.
2N3922	BFX62, BFY88, E401, 2N3933.
2N3923	2N5550, SK3045.
2N3924	BFW46, BFY99, 2N3553.
2N3925	2N3375.
2N3926	BLY57.
2N3927	BLY58.
2N3930	2N2605-3497-5401.
2N3931	2N5401.
2N3932	BFX62, BFY88, MPS6541.
2N3933	MPSH20, SK3039.
2N3934	E400.
2N3935	E401.
2N3941	2N2920.
2N3942/3/4	MPS6530, 2N2920.
2N3946	MPS6530, 2N2217-2219.
2N3947	2N2217-2219-3904.

2N3948	2N3904, SK3024.
2N3953	MPS6543.
2N3954/A	E400.
2N3955/A	E401.
2N3956/7/8	E402.
2N3959	MPS3640.
2N3960	BFX62, MPS3640.
2N3962	2N2605-3963-5086, SK3114:
2N3963	2N2605-5086, SK3114. :
2N3964	BCY67, 2N2605-5087, SK3114:
2N3965	2N2605-5086, SK3114.
2N3966	E304.
2N3967/8	E202.
2N3969/A	E230.
2N3970	E111.
2N3971	E112.
2N3972	E113.
2N3973	2N4400-5449, SK3122.
2N3974	2N4401-5449, SK3122.
2N3975	2N3709-4400-5449, SK3122.
2N3976	2N3710-4401-5449, SK3024.
2N3977	MPS3640, 2N2944/5, SK3114.
2N3978	MPS3638, 2N2944/5, SK3114.
2N3979	2N2944/5-4402, SK3114.
2N3981	2N4400.
2N3982	2N4123.
2N3983	MPS6548, TIS62, SK3039.
2N3984/5	MPS6548, TIS63, SK3018.
2N3993/A	E174.
2N3994/A	E176.
2N3995	2N1195-2929.
2N4000	2N3019-4410.
2N4001	BSW66, 2N4410.
2N4006	MPS6522.
2N4007	MPS3638.
2N4008	2N2944/5-4125.
2N4013	BSX48, 2N3903, SK3122.
2N4014	BSX49, 2N2219-4409, SK3122.
2N4015	MPS6531, 2N3350.
2N4016	2N3350-5086.
2N4017	MPSH54, 2N3350.
2N4018	2N3350-5086.
2N4019	MPSA70.
2N4020	MPSA70, 2N3350.
2N4021/2	MPSA55, 2N3350.
2N4023	MPSA70, 2N3350.
2N4024/5	MPSA55, 2N3350.
2N4026	BC160, BCW76-10, MPSA55, 2N1132-2906A/7, SK3025.
2N4027	MPSA56, 2N2906A/7, SK3025.
2N4028	MPSA55, 2N2907, SK3025.
2N4029	MPSA56, 2N2907, SK3025.
2N4036	BC161-161/6, BCW80/10, BFX29, MPSA55, 2N2905, SK3025.

2N4031	BC161-10, BCW80-10, MPSA56, 2N2905, SK3025.
2N4032	BC161-16, BCW80-10, MPSA55, 2N2905, SK3025.
2N4033	BC161-16, BCW80-16, MPSA56, 2N2905, SK3025.
2N4034/5	2N3250-3905.
2N4036	BFR23, 2N2904/5.
2N4037	BFR24, 2N2904/5-4402.
2N4042	MPS6566, 2N3680.
2N4043	MPS6576, 2N3680.
2N4044	MPS6566, 2N3680.
2N4045	MPS6576, 2N3680.
2N4046	2N2218-3252-4400.
2N4047	2N4409.
2N4054/7	SK3103.
2N4058	BC178/9-206-253-258VI/A/B-263-309, BCY72, MPS6522, SK3118.
2N4059	BC177-204-250-258/A/B/VI-261-307-308B, MPS6516, SK3118.
2N4060	BC258A/VI-308VI, MPS6516, SK3118.
2N4061	BC258A/B/VI-308A, MPS6517, SK3118.
2N4062	BC258A/B-308B, MPS6518, SK3118.
2N4068/9	2N5551, SK3045.
2N4070	2N3448.
2N4072/3	2N2863, SK3018.
2N4074	MPS3564, SK3122.
2N4075	2N3764-3996.
2N4076	BD124, BDY13-13/10, 2SC830, 2N3996.
2N4078	2SB267, SK3052.
2N4079	AD161/2.
2N4080	2N5226, SK3118.
2N4081	MPS3563, 2N4252.
2N4082	E400.
2N4083	E401.
2N4084	E400.
2N4085	E401.
2N4086	MPS6514, TIS98, SK3020.
2N4087/A	MPS6515, TIS97, SK3020.
2N4088 to 90	E176.
2N4091/A	E111.
2N4092/A/3/A	E112.
2N4094/5	E111.
2N4099	2N3680-5210.
2N4100	2N5210.
2N4101	SK3502.
2N4104	2N2484, SK3020.
2N4105	SK3010.
2N4106	AC128-131-152-153, MPS2060, 2SB370A, SK3004.
2N4115	2N3996.
2N4116	BD124, BDY13-13/16, 2SC830, 2N3996.
2N4117/8/9	E201.
2N4121	2N3905-4423, SK3118.
2N4122	2N3906-4423, SK3118.
2N4123	TIS99, 2N3903, SK3020.

2N4124	BC171-182-207-237, TIS98, 2N3904, SK3020.
2N4125	2N3905-5447, SK3114.
2N4126	BC213-252-308, 2N3906-4061, SK3114.
2N4130	SK3036.
2N4134/5	MPS6540.
2N4137	2N4265.
2N4138	2N2432-4124.
2N4139	E305.
2N4140	2N4400, SK3122.
2N4141	2N4401, SK3122.
2N4142	2N4402, SK3114.
2N4143	2N4403, SK3114.
2N4150	2N3421.
2N4207	MPS3639.
2N4208/9	MPS3640, SK3118.
2N4210/1	2N4002.
2N4220/1	E202, SK3112.
2N4222/A	E203, SK3112.
2N4223	E210.
2N4224	E300.
2N4227	2N4400.
2N4228	2N4402.
2N4234	2N3905, SK3025.
2N4235	2N5086-5333, SK3025.
2N4236	MPSH54, 2N5333.
2N4237	SK3024.
2N4241	AD149, TI3027, 2SB471, SK3013.
2N4242 to 6	TI3027/8.
2N4247	TI3027/8, TIS47.
2N4248	BC213, 2N4058-5086, SK3114.
2N4249	BC212, 2N4058-5086, SK3118.
2N4250	BC214, 2N4059-5087-5987, SK3118.
2N4251	2N4265, SK3039.
2N4252/3	MPS6548.
2N4254/5	BF195, MPS6547, 2N4996/7, SK3039-3118.
2N4256	2N3904, SK3122.
2N4257	MPS3639, TIS53, SK3118.
2N4258	MPS3640, TIS54, SK3114
2N4259	BFX62, BFY88, MPSH32, 2N4252.
2N4260	MPS3638.
2N4264/5	BC238A, TIS55.
2N4269	2N2243A-5551, SK3045.
2N4270	2N5551, SK3045.
2N4274	2N4264-4419, SK3039.
2N4275	TIS47; 2N4265-4418, SK3039.
2N4284	MPS6516, 2N2944/5-4060.
2N4285	MPS6516, 2N4060.
2N4286	BC167-168/A-171-182-184LB-207-237-238C, MPS6515/6-6566, TIS98, 2SC458, SK3020.
2N4287	BC171-182-184LB-207-237-277, MPS6566, TIS98, 2SC458, SK3020.
2N4288	BC178/B-205-212LB-213-262, MPS6518, 2SC565, SK3114.

2N4289	BC177/B-307B, 2SA565, 2N4058-5086, SK3114.
2N4290	BC179-206-214-263, MPS6533, 2N3702-5447, SK3114.
2N4291	BC179-206-214/LA-263, MPS6534, 2N5447.
2N4292	BC173-184-209-224L-239, BFX59-62, MPS918-6518, TIS62, 2N1132.
2N4293	BC139-173-179-184-209-239, MPS918-6518, TIS62.
2N4294/5	2N4264.
2N4300/7/8	SK3021.
2N4302	E202.
2N4303/4	E203.
2N4313	MPS3640, 2N4423, SK3118.
2N4314	MPSH55.
2N4338/9	E201.
2N4340	E202.
2N4341	E231.
2N4342/3	E176.
2N4347	BDX12, SK3079.
2N4348	BDX51, SK3079.
2N4354	MPS4354, SK3025.
2N4355	MPS4355, SK3114.
2N4356	MPS4356, SK3114.
2N4357/8	2N2605-3494-5401.
2N4359	2N5086.
2N4360	E176.
2N4381	E176.
2N4382	E176, MPS3705.
2N4383 to 8	MPS3705.
2N4389	MPS3640, SK3118.
2N4390	BFR25, MPSL01, 2N5058.
2N4391	E111.
2N4392	E112.
2N4393	BSV68, E113.
2N4395/6	2N3715, SK3027.
2N4397	MPS6532, 2N4252.
2N4400	BFR39, 2N5449, SK3122.
2N4401	BFR41, 2N5449, SK3122.
2N4402	BC307VI, BFR79, 2N2904/5, SK3114.
2N4403	BC307A, BFR81, 2N2905, SK3025.
2N4409	BFR34.
2N4410	BSS35, SK3045.
2N4411	MPSL08, SK3114.
2N4412	MPS3705, SK3025.
2N4412A	MPSH54, SK3025.
2N4413	MPS6533, SK3114.
2N4413A	MPSH55, SK3114.
2N4414	MPS6533, SK3025.
2N4414A	MPSH55, SK3025.
2N4415	MPS6533, SK3114.
2N4415A	MPSH55, SK3114.
2N4416/7	E304, SK3112.
2N4418/9	2N4264, SK3039.
2N4420/1/2	MPS3646, SK3118.
2N4423	MPS3640, 2N4421.
2N4424	BC182LB-337, MPS3711, SK3020.

2N4425	BC337, MPS3711, TIS90, SK3020.
2N4428	BFX55.
2N4432/A	MPS6532, SK3122.
2N4433/4	BF115, SK3018/3117.
2N4436	MPS6530, 2N5449, SK3122.
2N4437	MPS6531, 2N5449, SK3122.
2N4438/9	MPSU10.
2N4440	2N3632.
2N4445	E106.
2N4446	E109.
2N4447	E106.
2N4448	E109.
2N4449	2N4265, SK3039.
2N4451	MPS3640.
2N4452	MPS3638, SK3114.
2N4453	MPS3640, SK3118.
2N4856/A	E111.
2N4857/A	E112.
2N4858/A	E113.
2N4859/A	E111.
2N4860/A	E112.
2N4861/A	E113.
2N4867/8/A	E230.
2N4869/A	E231.
2N4872	MPS3640, SK3118.
2N4873	2N4265, SK3039.
2N4874/5	MPS6543.
2N4876	MPSH34.
2N4878	MPSH05.
2N4879	2N5210.
2N4880	2N5401.
2N4888/9	2N5401.
2N4890	BSV16-16/6, 2N3905.
2N4916/7	2N5208, SK3025/3114.
2N4918	BD132, TIP30.
2N4919	BD138, TIP30A.
2N4920	BD140, TIP30A.
2N4921	BD131, TIP29.
2N4922	BD137, TIP29A.
2N4923	BD139, TIP29A.
2N4924	2N4410, SK3045.
2N4925	2N5550, SK3045.
2N4926	2N5551, SK3045.
2N4927	MPSU10, SK3045.
2N4934	MPS6543, 2N4252, SK3039.
2N4935	MPS3826, 2N4252, SK3039.
2N4936	MPS3826, 2N5449, SK3039.
2N4937 to 42	MPS6534.
2N4943	2N4410, SK3024.
2N4944	2N4252-4400, SK3024.
2N4945	MPSA06, SK3024.
2N4946	2N4401-5449, SK3024.

2N4951	BC183L-337, MPS6530, 2N3705-5450, SK3020.
2N4952	BC184L-337, MPS6531, 2N3704-5449, SK3020.
2N4953	BC184LC-337, MPS6531, SK3020.
2N4954	BC183L-338, MPS6530, 2N5449, SK3020.
2N4960	MPSA05, SK3024.
2N4961	MPSA06, SK3024.
2N4962	MPSA05, SK3024.
2N4963	MPSA06, SK3024.
2N4964	MPS6516, 2N4060, SK3024.
2N4965	MPS6552, 2N4058, SK3114.
2N4966/7	MPSA20, TIS99, SK3020.
2N4968	MPS3397, TIS99, SK3020.
2N4970	2N4400, SK3122.
2N4971/2	2N3905, SK3114.
2N4973	2N5221.
2N4976	TIS39, 2N4875.
2N4977/8	E110.
2N4979	E112.
2N4980	2N4125.
2N4981	2N4402.
2N4982	MPSH54, SK3114.
2N4994	MPS3693, SK3122.
2N4996	MPS3694, SK3122.
2N4996	MPSH10, SK3018.
2N4997	MPSH11, SK3018.
2N5006	BD183.
2N5018	E174.
2N5019	E175.
2N5020	E176.
2N5021	E176.
2N5022	2N2386, SK3025.
2N5023	2N2386-4125, SK3025.
2N5024	2N4265, SK3039.
2N5027/8	MPS3646.
2N5029	2N4265.
2N5030	2N4264.
2N5033	E176.
2N5034/5	TIP33.
2N5036	TIP33A, 2N3055.
2N5037	BD181, TIP33A.
2N5040	MPS3702.
2N5041/2	MPSA70.
2N5045/6/7	E231.
2N5053	2N918, SK3018.
2N5055/6/7	MPS3640, 2N3829, SK3118.
2N5058/9	MPSU10, SK3045.
2N5066	2N2432-4124.
2N5073	2N5551.
2N5078	E300.
2N5083	2N3055.
2N5086	BC177-212/KAS-257A-261-307A, MPS6516, 2SA565, 2N4058, SK3114.

2N5087	BC159A-177-179-212/KBS-259A/B-261; MPS6516.
2N5088	BC189C-184KBS-237B, 2N5089, SK3020.
2N5089	BC189C-184KCS-239C, SK3020.
2N5103/4	E305.
2N5105	E300.
2N5106/7	MPS6518, 2N5399.
2N5114	E174.
2N5115	E175.
2N5116	E176.
2N5126	MPSH10, TIS98, SK3020.
2N5127	MPS918, TIS98, SK3020.
2N5128/9	MPS6514, 2N5451, SK3020.
2N5130	MPS3583, 2N5450, SK3018.
2N5131	MPS3646, 2N5451, SK3020.
2N5132	MP6539, 2N5451, SK3020.
2N5133	MPS2714, 2N5449, SK3018.
2N5134	2N4422-5224, SK3020.
2N5135	MPS2711, SK3020.
2N5136	MPS3706, SK3020.
2N5137	MPS6560, SK3020.
2N5138	MPS6516, 2N4061, SK3114.
2N5139	BC308VI, MPS6516, 2N3250, SK3114.
2N5140	MPS6513, 2N3250, SK3118.
2N5141	MPSL07, 2N3829, SK3118.
2N5142/3	MPS3638, 2N3829, SK3114.
2N5144/5	2N4400.
2N5146	MPS451, 2N4031.
2N5148	BSW10-65, BSX63, 2N4410.
2N5149	MPSL51, 2N4033.
2N5150	2N3019-4410.
2N5151	MPSL51, 2N4031.
2N5152	BSW10-65, BSX63, 2N4410.
2N5153	MPSL51, 2N4033.
2N5154	2N3019-4410.
2N5158	E107.
2N5159	E106.
2N5163	E300, SK3116.
2N5172	BC237A, MPS5172, 2N3711, SK3020.
2N5179	2N5224, SK3039.
2N5180	MPS6548, SK3018.
2N5181	MPSU04.
2N5182	MPS6548.
2N5183	2N5222, SK3020.
2N5184	BF178-257, MPSL01, SK3040.
2N5185	MPSL01, SK3040.
2N5186	2N4265, SK3122.
2N5187	2N424, SK3122.
2N5188	MPS6565, SK3024.
2N5189	BSS13, BSX45, MPS6565, 2N3053.
2N5190	TIP31, SK3054.
2N5191/2	TIP31A, SX3054.
2N5193	TIP32, SK3083.

2N5194/5	TIP32A, SK3083.
2N5196/7	E400.
2N5198	E401.
2N5199	E402.
2N5208	TIS37, SK3118.
2N5209	BC182KAS-237/A/B/C, SK3122.
2N5210	BC182KBS-237-237B/C, SK3122.
2N5219	BC238-238B/C-239B, 2N3708KS, SK3122.
2N5220	BC338-338/16/25/40, 2N3706KS, SK3122.
2N5221	BC338-338/16/25/40, 2N3703KS, SK3114.
2N5222	BF224J-254, SK3039.
2N5223	BC239B, 2N3708KS, SK3122.
2N5224	TIS48, SK3122.
2N5225	BC338-338/16/25/40, 2N3706KS, SK3122
2N5226	BC338-338/16/25/40, 2N3702KS, SK3114.
2N5227	2N4061KS, SK3114.
2N5228	TIS53.
2N5232	BC182LB, MPSA05, SK3122.
2N5232A	BC167B-182LB, SK3122.
2N5233/4/5	MPSA05, SK3024.
2N5236	MPS6511.
2N5240	BDY97.
2N5243	MPS3638, 2N4125.
2N5245	E304, SK3116.
2N5246	E305, SK3116.
2N5247	E304, SK3116.
2N5248	E300, SK3116.
2N5249	BC167B/C, MPS6514, SK3024.
2N5249A	MPS6528, SK3024.
2N5255/6	MPSA70.
2N5262	BFX34, BSS14, 2N4409.
2N5265/6	E176.
2N5267	E231.
2N5268/9/70	E232.
2N5272	2N4401.
2N5276	2N4264.
2N5277	E232.
2N5278	E305.
2N5281	2N5401.
2N5284	BDY90.
2N5288	BDY90.
2N5292	MPS3640.
2N5293/4	TIP31A.
2N5295	TIP31.
2N5296	TIP31, 2N3054S, SK3054.
2N5297/8	TIP31A.
2N5309/10	BC167A, 2SC458, 2N4401, SK3024.
2N5311	BC167B, MPS6514, 2SC458, SK3024.
2N5312/3/4	2N5386.
2N5316/7/8	2N5384.
2N5320	BSS15, BSV94.
2N5321	BSS16, BSV93.

2N5322	BSS17, 2N4036.
2N5323	BSS18, 2N4036.
2N5332	MPS3638.
2N5333	MPSL51.
2N5354	BC328, MPS3638, 2N3702, SK3114.
2N5355	BC213L-328, MPS368A, SK3114.
2N5356	BC214LC-328, MPS6534, SK3114.
2N5358/9	E202.
2N5360	E305.
2N5361	E304.
2N5362/3/4	E305.
2N5365	BC212L-327, MPS3638, SK3114.
2N5366	BC212LA-327-328-337, MPS6534, SK3114.
2N5367	BC212LB-327, MPS6534, SK3114.
2N5368	BC183, MPS6530, SK3122.
2N5369	BC184, MPS6531, SK3122.
2N5370	BC184C, MPS6530, SK3122.
2N5371	BC183, MPS6530, SK3122.
2N5372	BC213, MPS6533, SK3114.
2N5373	BC214, MPS6534, SK3114.
2N5374	BC214C, SK3114.
2N5375	BC213, MPS6533, SK3114.
2N5376	BC184, MPS6521.
2N5377	BC183, MPS6520.
2N5378	BC214, MPS6523, SK3114.
2N5379	BC213, MPS6522, SK3114.
2N5380	A5T3903, 2N903, SK3122.
2N5381	A5T3904, 2N904.
2N5382	A5T3905, 2N905, SK3114.
2N5383	A5T3906, 2N906, SK3114.
2N5386	2N5380.
2N5389	2N5388.
2N5391	E231.
2N5392	E305.
2N5393	E305.
2N5394 to 8	E300.
2N5399	MPS706, SK3039.
2N5400/1	BF398.
2N5404 to 7	2N5384.
2N5413	MPS6530.
2N5414	2N4409.
2N5415	2N5401.
2N5417	2N4123.
2N5425	MPS6566.
2N5432/3	E108.
2N5434	E109.
2N5447	BC177-307/A-328, MPS3638A.
2N5448	BC307/VI, MPS3638, SK3114.
2N5449	BC327/40, MPS6514, SK3024.
2N5450	BC327/16, BF178-297, MPS3705, SK3024.
2N5451	BC327/16, BF178-298, MPS6514, SK3024.
2N5452/3/4	E202.
2N5455/6	MPS3638A.

2N5457	E305
2N5458/9	E304, SK3112/3116.
2N5460 to 5	E176.
2N5471 to 3	E176.
2N5474/5	E175.
2N5476	E174.
2N5484/5	E305.
2N5486	E304.
2N5505 to 8	E176.
2N5509	E175.
2N5510 to 3	E176.
2N5514	E175.
2N5515/6	E400.
2N5517	E401.
2N5518	E402.
2N5519	E402.
2N5520/1	E400.
2N5522	E401.
2N5523/4	E202.
2N5543/4	E402.
2N5545	E400.
2N5546	E401.
2N5547	E402.
2N5548	E270.
2N5549	E113.
2N5550/1	BF176-178
2N5555	E114.
2N5556	E231.
2N5557	E232.
2N5558	E231.
2N5561 to 3	E231.
2N5564/5	E420.
2N5566	E421.
2N5592 to 4	E305.
2N5638	E111.
2N5639	E112.
2N5640	E113.
2N5647	E201.
2N5648/9	E202.
2N5650 to 2	MPS6568, SK117.
2N5653	E112.
2N5654	E113.
2N5655	BF338, SK3103.
2N5668	E305.
2N5669/0	E304.
2N5716	E201.
2N5717	E202.
2N5718	E203.
2N5777	2N4124.
2N5778	2N4400.
2N5779	2N4124.
2N5780	2N4400.
2N5794 to 6	2N4400.

2N5810	BFR41, MPS3706.
2N5811	BFR81, MPS3706.
2N5812	BFR41, MPS3706.
2N5813	BFR81, MPS8522.
2N5814	BFR50, MPSA40.
2N5815	BFR60, MPSA70.
2N5816	BFR40, MPSA20.
2N5817	BFR80, MPSA70.
2N5818	BFR40, MPSA20.
2N5819	BFR80, MPSA70.
2N5820	MPSA05, SK3024.
2N5821	MPSA55, SK3025.
2N5822	MPSA05.
2N5823	MPSA55.
2N5824 to 6	MPSA20, TIS92.
2N5827/8	MPSA20.
2N5829	MPS6535.
2N5835	2N4265.
2N5845	TIS116.
2N5901	MPSA18.
2N5902/3	E400, MPSA18.
2N5904	E401.
2N5905	E402.
2N5906/7	E400.
2N5908	E401.
2N5909	E402.
2N5911	E420.
2N5912	E421.
2N5949	BC337, E304.
2N5950	E304.
2N5951	E304.
2N5952/3	E305.
2N5964	MPSA42.
2N5965	MPSA43.
2N5998	MPSA18.
2N5999	2N5086.
2N6000	MPS6531.
2N6001	MPS6534.
2N6002	MPS6531.
2N6003	MPS6534.
2N6005	2N6067.
2N6006	2N5845.
2N6007	2N6067.
2N6008	MPSA18.
2N6009	2N5086.
2N6014	2N5845A.
2N6015	2N6067.
2N6016	2N5845A.
2N6017	2N6067.
2N6098	BDX70.
2N6099	BDX71.
2N6100	BDX72.
2N6101	BDX73.
2N6102	BDX74.

2N6103	BDX75
2NU74	AD133-133III-133IV, ADZ11, CTP1504-1508.
2S31	AF132-137-185, SK3005.
2S32	AC128-131, 2N2431, SK3004.
2S33	AC131-132-153, 2N610-2431, SK3004.
2S34	AC131, 2N2431, SK3004.
2S35	AF133-137-185, SK3008.
2S36	AF127-185, ASY26, 2N112, SK3008.
2S37	AC131, 2N2431, SK3004.
2S38	AC131-153, 2N2431, SK3004.
2S39/40	AC128, 2N2431, SK3004.
2S41	AF135, 2N2836, SK3009.
2S41A	AF134-135, AD150, 2N269-2836, SK3009.
2S42	AUY28, SK3009.
2S43	2N2431, SK3004.
2S44	AC131, SK3004.
2S45	AF133-137, SK3005.
2S49	AF133-137-185, SK3005.
2S52	AF185, SK3005.
2S53	AF133-137-185, 2N409-410, SK3005.
2S54	AC131-153, SK3004.
2S56	AC131, 2N2431, SK3004.
2S60	AF185, SK3005.
2S60A	AF185, 2N412.
2S91	AF185, SK3005.
2S92/A	AF185, 2N411, SK3008.
2S93	AF185, 2N140, SK3008.
2S93A	AF185, 2N412, SK3008.
2S101	2N726, SK3122.
2S103	AFY16, BF272, BFY11, BSW19-72, 2N2273-2873-3324-5354, SK3024.
2S104	AFY16, BF272, BFY19, BSW19-72, 2N2273-2873-3324-5354, SK3024.
2S109	AF135-185, SK3008.
2S110	AF115-135-136-185, SK3007.
2S112	AF135-136-185, SK3008.
2S141	AF115-134-136-185, 2N371-372, SK3006.
2S142	AF115-135-136-185, 2N370, SK3006.
2S143	AF115-135-185, SK3006.
2S144	AF117-137-185.
2S145	AF115-116-134-136-185, 2N1110, SK3006.
2S146	AF136-185, SK3006.
2S148	AF136-185, OC44.
2S155	AF185, SK3005.
2S159	AC162-170-185, SK3005.
2S160	AF185, SK3005.
2S163	AC131-153, OC72, 2N2431, SK3004.
2S178	AF185, 2N140, SK3005.
2S179	2N217-2431, SK3004.
2S303	SK3025.
2S321	OC203, SK3114.
2S322	OC200, SK3114.
2S322A	OC204, SK3114.

2S323 OC201, SK3114.
 2S371 BFY10, 2S102.
 2SA12 AF126-131-132-137-185-196, AFY15, ASY27, 2N412-642-4034, 2SA240, SK3005.
 2SA13 AC131-137-185, 2N642-4034, 2SA240, SK3005.
 2SA14 AF132-137-185, SK3005.
 2SA15 AF131-132-136-185-196, AFY15, 2N641, 2SA240, SK3005.
 2SA16 AF126-127-133-137-185, 2N642-4034, 2SA240, SK3005.
 2SA17 AC122-125-151, AF134-136-185, OC304, 2N412-486, SK3005.
 2SA18 AF124-130-131-134-136-185-194, 2N412-579, SK3005.
 2SA19 to 21 AF185, SK3008.
 2SA22 AF132-136-185, 2N411.
 2SA23 AF126-133-137-185, 2N642-4034, 2SA240.
 2SA24 AF178-194, 2SA235, 2N346-2495-4035.
 2SA25 AF131-178-194, 2SA235, 2N346-2495-4035.
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 2SA28 AF127-134-137-185, 2SA240, 2N642-4034, SK3005.
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2SD118/9	BU110.
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2SK17G	E202.
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3G2	E202.
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3NU73	OC28, TF80.
3NU74	AD133V, CTP1504-1508, 2N1146A/7A.
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5G2	E305.
5NU73	TF80/60.
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A111 BC109B-169B-172B-208B-386B, GI3710, MPS3710,
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A116 BF186-234-273C-311-384, BFY39/II, GI3710,
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A130 BC110-141/6-254, BF156-177, ME1120, 2N699-1990N
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A157C BC107C-207C-272-237C-386B, BCY56C-59C,
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A159C BC109C-209C-239C-386C, BCY58C, GI3711,
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A171 BC178-205-208-213-262A-291A, 2N3244-3906-4121,
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A274 BFW47, BFY99, BSW28, 2N1483-3553-3866, 2SC890.

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A418 BF167-184-194-224-234-254, GI3392, SE2001, 2N3932-
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A455 BF167-184-185-194-224-234-254, 2N2857-2921-
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A481 BF159-181-311-384, BFS92, BFX59, BFY99, MPS6507,
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A482	BF182-274-311-384, BFS92, BFX62, BFY99, MPS6546, SE3005, 2N918-4253, 40238, SK3117.
A483	BF183-274-324, BFS92, BFX62, ME3011, 2N918-2616-2708-2729-3563, SK3117.
A484	BF161-173-199-200-385, BFX55, MPS6548, SK3117, 2N2616-2729-3600-4137.
A485	BF183, BFX89, BFY78-90, ME3002, MM1501, 2N918-3839-3959-4874-5201, SK3039.
A490	BF183, BFX89, BFY78-90, ME3002, 2N918-3572-3959-5130-5180, SK3024.
A492	BF183, BFX89, BFY78-88-90, ME3002, MM1501, SE3001, 2N918-3572-3959-5179, SK3039.
A494	BF167-174-184-194-224-231, GI3392, 2N3932-4134-4876, SK3018.
A495	BF167-174-185-195-224-235, GI3392, 2N3932-4134-4876, SK3018.
A496	BF160-167-196-198-384, MPS6540, 2N2708-3013-3014.
A497	BF159-173-197-199-385, MPS6539, 2N2708-3014-3137.
A610C	E420.
A610S	E420.
A611L	E420.
A611S	E420.
A747B	BC107A-147B-207A-207B, 385A, BCY59B, MPS6575, 2N3242A-3566.
A747C	BC107B-147C-207B-207C-385B, BCY59C, MPS6576, 2N3242B-3566.
A748B	BC108B-148B-172B-208B-386B, GI3710, MPS3710, 2N3710, 40450.
A748C	BC109C-148C-172C-208C-386C, GI3711, MPS3711, 2N3711, 40399.
A749B	BC109B-149B-173B-209B-386B, GI3710, MPS3710, 2N3710, 40450.
A749C	BC109C-149C-173C-209C-386C, GI3711, MPS3711, 2N3711, 40399.
A757	BC107A-147A-207A-385A, BCY59A, MPS6575, 2N3242A-3566.
A758A	BC158A-204A-214A, BCY79A, 2N3964-4059-4359, 40419.
A758B	BC158B-204B-214B, BCY79B, 2N3964-4059-4359, 40419.
A759A	BC159A-205A-224A-262A, 2N3964-4059-4359, 40419.
A759B	BC159B-204B-205B-224B-262B, 2N3964-4059-4359, 40419.
A777	BF156-177-257, MM2258, 2N1990, 40372.
A778	BF119-178-268-274, MM2259, 2N3019, 40373.
A779	BF118-179-259, MM2259, SE7055, 2N3742, 40374.
AC105	AC124-131-131/30-153V-173-180-188, GFT31/15, NKT281, OC308, SFT124, TF66/30, 2N43-467-660-1384-2001-2431-4106, SK3004.
AC106	AC124-131-153V-173-180, NKT211, 2N43-243-467-660-1384-2001-4106, SK3004.
AC107	AC125-125R-136-150-151R-160-161-173, NKT229, OC306, 2N413A-1190-1371-1853-2613, SK3004.
AC108	AC122R-126-151IV-173-1361, NKT229, OC3041, 2N413A-1191-1371-2429-2613.

AC109	AC122Y-136-151V-173, NKT229, 2N1192-1375-2429-2613.
AC110	AC122G-126-136-151IV-173, NKT225, OC304III, 2N1193-1377-2429-2613.
AC113	AC122-122R-136-151-151IV, NKT223, OC304, SFT353, 2N1191-1352-1371-2613, SK3004.
AC114	AC122-122Y-125-136-151-151IV, NKT229, OC304, SFT353, SK3004, 2N1192-1375-2613.
AC115	AC122R-125-126-136-151-151IV-151V-151VII-160-161-173; BC261B, NKT229, OC304I, 2N1192-1377-2613.
AC116	AC123-126-136-151VI-173-180K, NKT229, SFT353, 2N1189-1190-1192-1371-1377-2429-2613-2907, 2SB75, SK3004.
AC118GN	AC116-126-151V, 2N2907.
AC116Y	AC116-125-151, 2N2429-2907, 2SB75.
AC117	AC117K-128K-153K-180K-188K, NKT304, 2N249-524-659-1384-2001-2431-4106, 2SB370A, SK3004.
AC117R	AC117-128-153.
AC118	AC117-128K-153-180, NKT281, 2N1384-2001-1926-1998.
AC119	AC117-128K-153-180, NKT211, 2N1384-1926-1998-2001.
AC120	AC152-178-180-184, NKT229, SFT323, 2N1008-1131-1384-1999-2431.
AC121	AC121-128K-152-178-180-184, NKT304, SFT323, 2N600-1131-1189-1384-1999-2431, 2SB156A.
AC121IV	AC152IV.
AC121V	AC152V.
AC121VI	AC152V;
AC121VII	AC153VII.
AC122	AC136, NKT214, 2N1192-1305-1352-2429-2613, 2SB364, SK3004.
AC122A	AC125-151IV, SFT353.
A122R	AC122-122Y-125-151-151IV, OC304I, SFT353, 2N1190-2613.
AC122Y	AC122-125-151V, OC304, SFT353, 2N1190-2613.
AC122GN	AC122-125-126-151-151VI, SFT353, 2N1190-2613.
AC122V	AC122-126-151VII, OC305I, SFT353, 2N1190-2613.
AC122W	AC122-126-151VII, OC305II, SFT353, 2N1190-2613.
AC122/30	AC126, ASY48, 2SB56A.
AC122/30Y	ASY48V, SFT353.
AC122/30R	ASY48IV, SFT353.
AC122/30R/W	AC122-123, ASY48-77, NKT210, 2N404A-527-586-1190-1191-1371-2163, 2SB460.
AC123	AC136, ACY21, ASY48-48V, 2N527-586-1191-1371-2429-2613, SK3004.
AC123GN	AC123-126, ASY48.
AC123Y	AC123-126, ASY48, 2N2429, 2SB75A.
AC124	AC117-128K-153K-180K, GFT232, NKT302, 2N586-1926-2374-2431-4106, 2SB67.
AC124K	AC128K-153K.

AC125	AC122GN-136-151VI-152-162-170-173, NKT302, OC305II, SFT353, 2N1189-1192-1305-1352-1375-2163-2428-2429-2613, 2SA202, SK3004.
AC126	AC122W-136-151VII-171-173, NKT302, OC305II, SFT353, 2N1189-1192-1305-1375-2429-2613, 2SB383, SK3004.
AC127	AC141-176-179-181-185-186, NKT781, 2N647-1304-1308-2430, 2SD96, SK3010.
AC128	AC117R-153VI-180, NKT302, SFT232, 2N659-1373-1384-1928-2001-2431-4106, 2SB370, SK3004.
AC128K	AC117-117K-128-153K-180K, OC308, 2N4106, 2SB415.
AC129	AC122-125-151, 2SB46.
AC129Y	AC122-125-151, 2SB47.
AC129V	AC151.
AC129BI	AC151.
AC130	AC127-141-186-190, ASY75, NKT734, OC139, SK3010. 2N1302-1605-1808-1993.
AC131	AC117-153VI-180, NKT211, 2N659-1008-1384-1924-2431-3427, 2SB370A.
AC131/30	AC128-153-180, NKT302, SFT232, 2N417-1384-1926-2001.
AC132	AC122-122/30-131-136-162-173-184, NKT213, 2N1008-1008A-1352-1371-1924-2613, 2SB496, SK3004.
AC134	AC121-122-122Y-125-132-151V-151IV-173, NKT224, OC304II, 2N1008-1372, 2613.
AC135	AC121-122-122GN-122Y-125-131-132-151V-151VI-173, NKT219, OC304III, 2N1008-1374-2613.
AC136	AC122Y-125-131/30-132-151V-151VI-162-173, NKT217, 2N1189-1375-2613.
AC137	AC122/30-128-151VII-171-173, NKT229, 2N1192-1375-2613.
AC138	AC122R-124-125-128-131/30-151VI-152-153-173.180 AM54, NKT229, SFT353, TA2063, 2N456-1008-1189-1924-1998-2613.
AC139	AC117R-122Y-124-125-151V-153-153V-180, NKT211, TA2065, 2N1384-2374-3427.
AC141	AC175-176-181-AM72, NKT781, SFT377, 2N1605A-2430.
AC142	AC117-117R-124-153-173-180, AM74, NKT302, 2N586-1926-1998-2001.
AC150	AC122-125R-126-136-151R-173, NKT223, 2N1352-1372-1384-1707-2429, SK3030/3004.
AC150/30	AC125R.
AC150Y	AC107-125-150Y-151V-151VR-161-163, OC306II, SFT353, 2N2613, 2SB73.
AC150GN	AC107-125-151IVR-161-163, OC306III, 2N652-2613
AC151	AC126-136-173, NKT219, 2N652-1193-1375-2429-2613, 2SB439, SK3004.
AC151IV	AC122R-125-126, OC304I, 2N238, 2SB459.
AC151VR	AC128-150-150Y-151IV-161, OC306I, 2SB73.
AC151V	122Y-125, OC304II.
AC151VR	128-150-150Y-161, OC306II.
AC151VI	AC122GN-125, OC304III.
AC151VIR	AC128-150-150GN-161, OC306III.

AC151VII	AC122V-122V/W-125-126, OC305I/II.
AC151VHR	AC160-160V-161, OC307.
AC152	AC128-131/30-136-180-184, NKT304, 2N600-1375-1924-2431-2613-4234, 2SB156, SK3004.
AC152IV	AC124R-128, OC307-308, SFT322, 2N610-4106, 2S32.
AC152V	AC124R-128, OC307-308, SFT322, 2N610, 2S32.
AC152VI	AC117R-128, OC307-308, SFT322, 2N610, 2S32.
AC153	AC117R-180, NKT211, SFT232, 2N659-1384-2000-2431-3427, SK3004.
AC153K	AC117-117K-128-126K-180K, 2N4106, 2SB415, SK3004.
AC153V	AC124R-128, ACY12-24, ACZ10, 2N467-4106, 2SB222.
AC153VI	AC117R-128, ACY24, ACZ10, ASY12, 2SB415.
AC153VII	AC117R-128, ACY24, ACZ10, ASY12.
AC154	AC117-131-152-152IV-152V-180, NKT211, OC309, SK3004, 2N659-1384-1924-2000-3427.
AC155	AC122-122R-122Y-125-151IV-151V-173, NKT229, OC304I-304T, 2N1190-1191-1192-1371-2613, SK3004.
AC156	AC122-122Y-125-151-151V, NKT223, OC304III, SFT353, 2N1190-1191-1192-1371-2163, SK3004.
AC157	AC175K-176-181-185-186, NKT743, 2N1605A-2430, SK3010.
AC160	AC125R-136-151R-151IV-161-173, NKT225, 2N1191-1352-1375-2613.
AC160A	AC125-151R-151IV/V-161, OC306I/II-307.
AC160B	AC126-151R-151VI/VII-161, OC306III-307.
AC160K	AC125R.
AC160R	AC125-151IVR-161, OC306I, 2SB73.
AC160Y	AC151VR-161, OC30II.
AC160GN	AC151IVR-151VJR-161, OC306III.
AC161	AC125R-136-151V-151VIR-160-173, NKT227, OC306III-307, SFT337, 2N1191-1352-1377-2613, SK3004.
AC162	AC125-128-136-170-173, NKT229, SFT353, SK3004, 2N1191-1192-1377-2429-2613, 2SB459.
AC163	AC126-136-163-171-173, NKT229, 2N1190-1192-1371-2163-2429-2613-2907, 2SB459.
AC165	AC122GN-122-122Y-125-151V-151VI, 173-222, BC261, NKT227, 2N1191-1352-1371-2163, SK3004.
AC166	AC117-131/30-152-152V-180-184, NKT211, SK3004, 2N659-1189-1384-1926-2000-4106.
AC167	AC117-131/30-152-152V-180-184, NKT211, 2N659-1089-1189-1384-2000-4106, SK3004.
AC168	AC175K-176-179-181-185-186, 2N647-1012-1473-2430, SK3004.
AC169	AC122-125-151, NKT229, SFT353, 2N1191-1352-1357-2613, SK3004.
AC170	AC122-125-151VI-162-173, NKT281, OC309, SFT353, 2N1191-1192-1373-2613, 2SB54-77A.
AC171	AC122-151VII-163-173, NKT225, SFT353, 2N413A-1190-1194-1377-2163, 2SB460.

AC172 AC163-175-181-183, NKT734, 2N1473-1808-2430, SK3010.
AC173 AC117-128-131-132-152-180, NKT281, 2N1176B-1189-1384-1926-2000.
AC174 AC117-128-131-131/30-153-153V-180, MJ2060, NKT281, 2N117B-1384-1926-2001.

AC175 AC176K-181-187-187K, SK3020, 2N1306-1732-2291-2430-2707.
AC175K AC176K-183K.
AC176 AC181-186-187, NKT734, 2N1306-1732-2297-2430, SK3010.
AC176K AC175-176-181-186-187K, 2N2297.
AC177 AC117-131-132-152-152V-173-180, ASY80, NKT211, 2N1176B-1384-2000-3427-4030.
AC178 AC117-122K-128K-153K-180-180K, NKT211, 2N1176B-1384-2001-3427, 2SB370.
AC179 AC175-176K-180-181-187L-187K, NKT713, 2N1605A-2430.
AC179K AC181K.
AC180 AC117-128-131/30, NKT11, 2N1176B-1185-1384-1926-2000-4106.
AC180K AC128K-131/30-153, 2N1185-4106.
AC180K/L AC117-153K-188K.
AC181 AC175-186, NKT734, TLS50, 2N1473-1808-2430.
AC181K AC176-186-187K.
AC181K/L AC175-176K-187K.
AC182 ASY26, NKT229, 2N586-851A-1371.
AC183 AC127-176-181-186, NKT734, 2N1308-1732-2430.
AC184 AC128-131-152-153, MJ2060, NKT11, 2N1176B-1384-2000-3427-4106.
AC185 AC127K-176K-183-186, 2N1308-1732-2430.
AC186 AC176-185-187-187K, NKT734, 2N1308-1732-2430.
AC187 AC187K,
AC187K AC175-175K-176K.
AC188 NK211, 2N1176B-1384-2000-3427, SK3004.
AC188K AC117-153K, 2N4030, 2SB370.
AC191 AC122-125-125R-150-151R-161, NKT229, 2N1191-1352-1371-2613, SFT353.
AC192 AC122-125-151-151IV-162-170-173, NKT227, SKT353, 2N1191-1352-1375, 2613-2614.
AC193 AC117-117R-128-153-180-184, NKT211, 2N1176B-1384-1926-2000.
AC193K AC117-128K-153K-180K-188K.
AC194 AC175-176-179-181-186-187-187K, NKT713, 2N1605A-2430.
AC194K AC175-176K-187K.
ACY16 AC117-128K-180K, ACY33-33V, ASY14, NKT302, SK3009, 2N526-1997-2303-2801.
ACY17 AC117-184K, ASY48, BC157, SK3004, 2CY17, 2N652A.
ACY18 AC117-153V-180K, BC158, SK3004, 2N652-3467, 2SY18.
ACY19 AC117-128-153, 2CY19, 2N249-4106, 2S56, SK3004.

ACY20	AC48V-117-128-131/30-153-184K, 2CY20, 2N1176B-2565-3467, SK3004.
ACY21	AC117-123-180K, ASY48VI, SK3004, 2CY21, 2N1176B-2801-3467.
ACY22	AC117-180K, ACY16-33V, SK3003, 2CY22, 2N651.
ACY23	AC117-122/30-125-180, NKT225, 2N526-1039-1190-1352-2613, SK3004.
ACY24	AC117-128K-184K, ASY14-48V, NKT217, 2N625-1384-1924-2303-2801.
ACY27	AC122-125-126-151-173, ACY23V, NKT225, SK3004, 2N525-651-1191-2447-2613-3467, 2S13.
ACY28	AC122-126-151, ACY23V, NKT225, SFT353, SK3004, 2N526-1192-1377-2613.
ACY29	AC122-125R-150-160-173, ACY32, NKT225, SK3004, 2N237-1191-1352-1371-2613.
ACY30	AC117-122/30-126-128-131/30-153-180, ACY23, 2N237-526-1191-1352-1373-2613, SK3004.
ACY32	AC125R-150-173, ACY29, NKT225, SK3004, 2N527-1191-1352-1377-2613.
ACY33	AC117-180, ACY16K-30-128, ASY14, NKT211, 2N527-618-652-1384-2303-2801.
ACY34	AC117-122-125-128K-180K; ACY16-22-23V, ASY14, NKT229, SK3004, 2N651-1190-1377-2613.
ACY35	AC16-117-122-125-128K-180K, ACY23V, ASY14, NKT225, SK3004.
ACY36	AC117-122-128K-180K, ACY16-23V, ASY14, NKT225, SK3004, 2N1190-1352-1375-2613.
ACY38	AC125R-151-160/B, ASY27, NKT227, 2N1191-1377-2613.
ACY39	ACZ10, 2N652-2303-2801.
ACY40	AC122-173, ACY16-23-29, SK3005, 2N586-625-1189-1371.
ACY41	AC117-131/30-180, ACY23-30, SK3004, 2N586-652-1189-1375.
ACY44	AC117-180, ACZ10, ASY48, NKT217, SK3004, 2N1189-1377-1997.
ACZ10	AC117-128/K-153V-184K, ACY24K, ASY12-48, NKT211, 2SB222, 2N467-2303-2801-4106.
AD103	AD138/50, ADY23, ASZ16, AT1138, MP2008A; NKT402, SFT265-266, SK3014, 2N513A-2869.
AD104	AD134-138/50, ADZ11, ADY23, ASZ16, AT1138A, MP2008A, NKT402, SFT265-266, SK3009, 2N514A-2869.
AD105	AD135, ADY28X, AT1138B, AUY24-28-30, MP2008A, SFT266, SK3009, 2N513B-2870.
AD130	AD129-143-150-153, ADY23, AUY33, MP1529, NKT451, SK3009, TI3029, 2SB337-426, 2N514-1529-2148.
AD130III	AD149/IV, ASZ15, AT1138B, AUY34, OC26-603, MP1552, SFT213-268, TI3029, 2N513B-514B-1100-1146C-1906-2063-2869-3615.
AD130IV	AD149/IV, OC26, SFT213, TI3029, 2N257-2064-2869-3615.

AD130V	AD149/V, OC26, SFT213, TI3029, 2N257-2064-2869-3615.
AD131	AD138/50-142-149, ADY24-28X, ADZ12, ASY16, AUY32-33, MP1530, NKT405, SK3009, 2SB425, 2N514A-1530-2148.
AD131III	AD138/50-149/IV, OC603, SFT250, TI3029, 2SB471, 2N2065-2870-3615.
AD131IV	AD138/50-149IV, SFT250-4012, TI3029, 2N268-2066-2870-3615.
AD131V	AD138/50-149V, SFT250-4012, TI3029, 2N268-2066-2870-3615.
AD132	AD142, ADY23-28Y, ADZ12, ASZ12, AUY28-32, MP1531, NKT403, SK3009, 2SB424, 2N514B-1531-2147.
AD132/2	OC26, OD603, SFT250, 2N2065.
AD132HI	ASZ15, AUY22III, OC26-28, OD603/50, SFT250, TI3030, 2SB472, 2N2065-2870-3616.
AD132IV	AUY22IV-28, OC26, SFT250-4012, TI3030, 2N268-2066-2870-3616-4012.
AD132V	AUY22IV.
AD133	AD138/50, ADY23, ADZ72, ASZ16, AT1138, NKT402, SFT266, SK3014, 2N278-513-1549-2869.
AD133III	ADZ11, AUY29III, 2SB236, 2N1549-2869.
AD133IV	AUY29IV, 2N2869-3146.
AD133V	AUY29V, 2N2869.
AD134	AD138/50, ADY23, ADZ11, ASZ11-16, AT1138A, NKT402, SFT265, 2N402-513A-1099-2869.
AD135	ADY24-28X, ADZ12, AUY28-30, AT1138B, NKT403, 2N513B-1099-2870.
AD136	AD160, ASZ18, AT216, NKT402, 2N173-513B-1039-1184B.
AD138	AD143, ADY23, ADZ11, ASZ16-18, MP2060, NKT404, SFT266, SK3014, TI3027, 2N512-1022A-1073A-2869.
AD138/50	AD135-142, ADY28Y, ADZ12, ASZ15-18, AUY22-32, MP2062, NKT403, OC28, SK3014, TI3029, 2N513B-1073B-2870.
AD139	AD143-150-153-62, ADY24-27-28X, NKT451, SK3009, 2N178-513-250A-2869.
AD140	AD150, ADY27, AT1833, AUY34, NKT402, SK3009-3014, 2N513A-1022-1184B-1540-2138-2836-2870.
AD142	AD132-138/50-149, ADY23-28Y, ADZ11, AM92, ASZ15, AUY22-28-32, MP1531, NKT401, OC28, SFT240, TI3029, 2N513B-1073A-2869-2870-3146.
AD143	AD133-138-138/50-150-153, ADY23, ADZ11, ASZ16-17, AM91, AUY33, MP2060, NKT451, SK3014, TI3027, OC28, 40254, 2N512-1073A-2869.
AD145	AD133-133V-138-149-153, ADY23, ASZ16, AUY33, NKT451, TI3027, 40254, 2N307A-513.
AD146	AD166.
AD148	AD139-143-150-163, ADY24, AUY33, NKT452, TI3027, SK3009, 2N514-2142A.
AD148IV	AD139-148-148IV-156, 2SB426, 2N456.
AD148V	AD139-148-156.

AD149	AD140, ADY27-28Y, NKT405, TI3028, SK3009-3013, 40051, 2SB425, 2N514A-1530-2143A-2836.
AD149/01	AD149, SK3009, 2N2836.
AD149/02	AD149, SK3009, 2N2836.
AD149IV	AD149-166, TI156, 2SB471, 2N456-1022-2869-3615.
AD149V	AD149-166, TI156, 2SB471, 2N1022-2836-2869-3615.
AD150	AD143-153, ADY24, AUY33, NKT451, SK3009-3030, TI3027, 40462, 2N514-1142-1530-2142A-2836.
AD150IV/V	AD150-166, TI156, 2SB426, 2N456-2869-3614.
AD152	AD140-162/V, ADY25-28X, MP2060, NKT405, SK3009, TI156, 2SB368, 2N514A-1539-2836-2869.
AD153	AD131-138-140-150-153, ADY27, AUY33, MP2060, NKT402, TI156, 2N513A-1540-2138-2570-2859.
AD155	AD145-162V, ADY25-28X, 2SB367, TI3027, 40254, SK3082, 2N307A-513.
AD156	AD139-140-148-149-152-153, ADY27-28Y, NKT452, SK3009, 40051, TI3028, 2N513A-2142A.
AD157	AD140-149-153, ADY27-28X, NKT405, SK3009, TI3028, 40462, 2N513A-2143A.
AD159	AD136/IV-159, ASZ17, NKT402, SK3009, 2N173-513B-1039-1184B.
AD160	AD136/IV, ASZ16, AT216, NKT402, 2N173-513A/B-1039-1184B.
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AD165	AD149-161, MJ3101, 2N1218-1292-1722-4077.
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AD167	AD142-149, AU102, DTG601, MP1532, NKT401, TI3029, 2N512B-2147.
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ADY25	ASZ18, AT1138B, AUY28-34, NKT420, TI3030, 2N513B-1146C-3618.
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AM15	2N1178/9.
AM18	MM139.
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AM52	2N215-406.
AM53	AC126-161-192, SK3004, 2N2614.
AM54	AC151, SK3004, TA2063.
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AM72	SFT377.
AM73	2N591.
AM94	40254.
AM251	BC107.
AM252	BC108.
AM253	BC109.
AM254	BC267.
AM255	BC268.
AM256	BC269.
AM257	BC270.
AM258	BC271.
AM259	BC272.
AM260	BC300.
AM261	BCY58.
AM262	BCY59.
AM263/4	BC301.
AM276	BC297.
AM291	2N3055.
AM293	BD142.
AM294	BD141.
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ASY13	ASY48V, 2N1926.
ASY13-I/II	AC124-128-153, ACY24, ASY81, BFX74A, BSW74, ME0401, NKT217, 2N398B-1924-5022.
ASY14	ASY48IV.
ASY14-I/II/III	ACY24, ASY48-77-81, BCW86, BSW74, NKT217, 2N398/A-1924/5-2890-5022.
ASY24	ASY24-48-56-71-80-81, BCW86, BSW72, NKT217, SK3008, 2N398A-1924-5022.
ASY24B	ASY48-71-76-81, BCW86, BSW72, NKT217, 2N398B- 1925-5022.
ASY26	BSW72, BSX36, NKT210, SK3005, 2N653-1192-1307- 1371-2613-2927.
ASY27	ASY26-58, BSW72, BSX36, NKT135, SK3005, 2N1192- 1304-1371-1384-1707-2927.
ASY28	AC127, BSW82, BSX12, NKT717, 2N1605A-1808-2430- 5135.
ASY29	AC127, BSW82, BSX12, NKT713, SK3011, 2N1306- 1605A-1808-2430-5135.
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ASY67 2N2191.
ASY70 AC124K, ACY24, ASY63-81, BSX36, NKT229, OC74,
 SFT232, 2N404-1926-1998-1384-2927.
ASY71 ACY24, NKT229, 2N398-1998-2042-2890-4928.
ASY72 SK3011, 2N1304.
ASY73 AC127, ASY28, BSW82, BSX12, NKT717, SK3011,
 2N1605A-1808-2430-5135.
ASY74 AC127, ASY29, BSW82, BSX12, NKT717, SK3011,
 2N1605A-1808-2430-5135.
ASY75 AC127-153V, ASY29, BSW41, BSX12, SK3011,
 2SC91, 2N1306-1605A-1808-2430.
ASY76 ACY16/K, ASY48, BCW86, BFS95, BSW72, ME0401,
 SK3005, 2N398-526-1925-5022.
ASY77 ACY24/K, ASY48-81, BCW86, BFS92, BSW74,
 ME0401, NKT217, SK3005, 2N398A-526-1926.
ASY78 ACY16, ASY48, BCW86, BSW74, ME0401, NKT217,
 2N398B-1307-1925-1998-5022.
ASY80 ACY24/K, ASY48, BCW86, BSW74, ME0401, NKT217,
 SK3005, 2N398A-527-1307-1925.
ASY81 ACY24/K-77, ASY48, BCW86, BSW74, ME0401,
 NKT217, SFT232, 2N398B-1926-1998-5022.
ASZ10 ASY19-30K-48-77, BCW86, BSW74, ME0401, NKT317,
 SFT232, SK3006, 2N398-1925-1926-1998-5022.
ASZ11 ASY26, SK3006.
ASZ12 ASY27.

ASZ15 | ADY25, AT1138B, AUY22III-28-34, SK3009,
 TI3029/30, 2SB341, 2N513B-1146C-3613.
ASZ16 | AD138/50, ADY23, AUY21IV-28, AT1138B, SK3009,
 TI3028, 2SB339, 2N513A-1146-3615.
ASZ17 | ADY24, AT1138B, AUY21III-28, SK3009, TI3028,
 2SB339, 2N513A-1146B-3615.
ASZ18 | AT1138B, AUY21II-28-34, SK3009, TI3029, 2SB340,
 2N513B-1146B-3613.
ASZ20 | ACY24, ASY48-80-81, BCW86, BSW74, GM1213B,
 NKT613F, SFT232, 2N398-1926-1998-5022.
ASZ20N | ACY24, ASY48-80-81, BCW86, BSW72, NKT613F,
 SFT232, 2N2273-3324-5022.
ASZ21 | ASY26, BC178VI, BFX48, BSW72, NKT613F, 2N711A-
 2273-3324-4916.
ASZ23 | ASY24, BCY70.
ASZ30 | ASY26, SK3006, 2N1925.
AT207 | AD136, NKT405, 2N514B-1039-1184B.
AT209 | AC173, ACY16-21, ASY48, BSW74, BSX36, NKT229,
 2N1189-1384-1998-2927.
AT210 | AC173-180, ACY16-23, ASY70, BSW74, BSX36,
 NKT229, 2N1189-1998-2613-2927.
AT216 | AU104-112, MP3731, 40349.
AT318 | BF115-167-196-224-334, BFY64, ME1001, MM1803,
 SE1001, SK3039, 2N2857-5144.
AT319 | BF115-167-196-334, BFY64, ME1001, MM1803,
 NKT10339, SE1001, SK3039, 2N2857-5144.
AT321 | BF115-167-197-224-335, BFY65, ME1002, MM1803,
 NKT10439, SE1002, SK3039, 2N2857-5144.
AT322 | BF173-195-235-273A, GI3709, ME2001, MPS3709,
 NKT12329, SE2001, SK3039, 2N2708.
AT323 | BF173-195-235-273B-385, GI3709, ME2001, MPS3709,
 NKT12329, SE2001, SK3039, 2N2708.
AT324 | BF173-194-234-274A-384, GI3710, ME2002, MPS3710,
 NKT12429, SE2002, SK3039, 2N5189.
AT325 | BF167-196-273, GI3709, ME3001, MPS6507,
 NKT16229, SE3001, SK3009, 2N4874-5189.
AT326 | BC148A-208A-386A, BCY58A, MPS3710, GI3710,
 NKT10419, 40450, SK3039, 2N3710.
AT327 | BC148B-208B-386B, BCY58B, GI3710, MPS3710,
 NKT10519, 40450, SK3039, 2N3710.
AT328 | BC148C-208C-386B, BCY58C, GI3711, MPS3711,
 NKT10519, 40399, SK3039, 2N3711.
AT329 | BF167-195-235-255-273-385, GI3709, MPS3709,
 NKT16229, SE5025, SK3122, 2N2708.
AT330 | BF167-194-234-254-274-386, GI3709, MPS3709,
 NKT16229, SE5025, SK3039, 2N2708.
AT331 | BC157-158A-205A-212-291, SK3114, 40408, 2N3245-
 3906-4121.
AT332 | BC158/B-205B-213-260B-292, SK3114, 40419,
 2N3244-3964-4359.
AT333 | BC158C-159-205C-224-260C-292, 40419, 2N3964-
 4059-4359.
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 NKT16229, SE3001, SK3122, 2N4874-5189.

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AT341 BC147A-207A-385A, BCY58A, GI3710, MPS3710, NKT10519-40399, SK3117, 2N3710.
AT342 BF167-195-196-273, GI3708, ME3001, MPS6507, SE3001, SK3117, 2N4874-5189.
AT343 BF167-195-196-273, ME3001, GI3708, MPS6507, NKT16229, SE3001, SK3117, 2N4874-5189.
AT450 AU104-106, MP3731, 40349.
AT605 BD160.
AT650 AD149-150, ADY27-28Y, AUY31, NKT405, 2N513B-1365-2870.
AT1138 ADY23, ADZ11, ASZ16, AUY21-28-31, NKT402, 2N512-2869-3615.
AT1138A ADY24, ADZ11, ASZ16, AUY21-28-31, NKT402, TI3028, 2N512B-2869-3615.
AT1138B ADY25, ADZ12, ASZ15, AUY22-28-32, NKT401, TI3029, 2N513B-2870-3615.
AT1833 ADY24, ADZ11, ASZ17, AUY21-28-31, NKT402, TI8027, 2N513-2869-3615.
AU101 AUY22, AU105, B1085, DTG2300, MP1612A, SK3014, 2N1100-1543-1906-5003.
AU102 AUY21III, DTG110A, SK3009, TI3027, 2N1184B-1359-3312.
AU103 AU104, B1085, DTG110A, MP1612B, TI3031, 2N1364-1906-5007.
AU104 AU103, B1178, BD299, DTG1110, MP1612B, TI3031, 40440, 2N1073B-5009.
AU105 AU103, ASZ15, B1178, DTG1110, MP1612A, TI3031, 2N1364-1906-5005.
AU106 AU111, BD299, DTG1010, MP3730, 40439, 2N5325.
AU107 AU103-104-111, DTG1110, MP3731, 40440, 2N5324.
AU108 AU101-105, ASZ15, DTG2300, MP1612A, 2N908-1073B-1906-5005.
AU110 AU101-103, DTG1110, B1178, MP1612B, TI3031, 2N1364-1906-3442-5007.
AU111 AU106, DTG1010, MP3730-40439, 2N5325.
AU112 AU106, DTG1010, MP3730, 2N5325.
AUY10 AD138/50, ADY22-28, ADZ12, AT1138B, AUY22, NKT401, SK3009, 2N513B-1099-2870-4033.
AUY18 AD138/50-148, ADY23, ADZ11, ASZ15, AUY18-31, AT1138A, BD132, NKT404, TI3029, 2N3615-5134.
AUY19 AD138/50, ADY24, ADZ11, ASZ15, AT1138A, AUY31-33, NKT403, TI3028, SK3014, 2SB338, 2N157A-513A-2869-3613.
AUY20 AD132, ADY24, ASZ15, AUY28-32, ADZ12, AT1138B, NKT401, SK3014, TI3029, 2SB341, 2N157A-513B-2870.
AUY21 ADY23-28, ADZ11, ASZ15-16-18, AT1138A, AUY28-34, MP2061, NKT402, SK3009, TI3028, 2SB339, 2N513A-2869.
AUY21A ASZ15.
AUY22 ADY23, ADZ12, ASZ16, AT1138B, AUY20IV-28-32, MP2062, NKT401, SK3009, TI3029, 2N513B-2870.

AUY22A ASZ15.
AUY28 ADY25-26, ASZ15, AUY22III-30-32-34, AT1138B, MP2063, NKT401, TI3030, 2SB340, 2N513B-2870.
AUY29 ADY23, ADZ11, ASZ16, AT1138A, AUY21-29IV-31, MP2061, NKT406, TI3028, 2N513A-2869.
AUY30 ADY22, ADZ12, ASZ15, AT1138B, AUY22/II-28, MP2062, NKT403, TI3029, 2N513B-2870.
AUY31 ADY23, ADZ11, ASZ16, AUY21/III-28, NKT404, MP2061, TI3028, 2N513A-2869.
AUY32 ADY24, ADZ12, ASZ15, AT1138B, AUY20-22-28, MP2062, TI3029, 2N513B-2870.
AUY33 ADY24, ADZ11, ASZ16, AT1138A, AUY19III-21-28, MP2061, NKT402, TI3028, 2N513A-2869.
AUY34 ADY24, ADZ12, ASZ15, AT1138B, AUY28-30, MP2063, NKT420, TI3030, 2N513B-2870.
AUY35 ASZ16, AUY30.
AUY37 ADY25, ASZ15, AUY30-34/II, AT1138B, MP2063, NKT420, TI3030, 2N513B-2870.
AUY38 ASZ15.
AUZ11 AD140-149-150-153, ADY27-28X, ASZ16-17, AUZ10, NKT451, 40462, TI3028, 2N514A-2143A.
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B1178 AU103-105-110, DTG2400, MP1612B, TI3031, 2N1364-1906-5007.
B1181 AU103-105-110, DTG1110, MP1612B, TI3031, 2N1364-1906-5009.
B10474 ADY24, ADZ11, AT1138A, AUY21-28-31, MP2061, SK3014, TI3028, 2N513A-2869.
B10475 AU101-104-110, DTG1110, MP1612A, SFT240, SK3014, TI3031, 2N1364-1906-5005.
B10912 ADZ11, AT1138A, AUY21-28, DTG110B, MP2061, NKT406, TI3028, SK3009, SFT266, 2N513A-2869.
B10913 ADZ12, AT1138B, AUY22-28, DTG110B, MP2062, NKT401, SFT267, SK3009, TI3029, 2N513B-2870.
B102000 ADZ11, AT1138A, AUY21-28, DTG600, MP2061, NKT402, SFT265, TI3028, 2N513A-2869.
B102001 ADZ11, AT1138A, AUY21-28, DTG600, MP2061, NKT402, SFT265, TI3028, 2N513A-2869.
B102002 ADZ12, AT1138A, AUY21-28, DTG600, MP2062, NKT401, SFT266, TI3029, 2N513B-2870.
B102003 ADZ12, AT1138B, AUY22-28, DTG601, MP2062, NKT401, SFT267, TI3029, 2N513B-2870.
B103000 ASZ16, AT1138A, AUY29, DTG600, MP2061, NKT402, SFT265, TI3027, 2N513A-2869.
B103001 ADZ11, AT1138A, AUY21-28, DTG600, MP2061, NKT402, SFT265, TI3028, 2N513A-2869.
B103002 ADZ12, AT1138B, AUY22-28, DTG601, MP2062, NKT401, SFT266, TI3029, 2N513B-2870.
B103003 ADZ12, AT1138B, AUY22-28, DTG602, MP2062, NKT401, SFT267, TI3029, 2N513B-2870.
B103004 ADZ12, AT1138B, AUY22-28, DTG602, MP2062, NKT403, SFT268, TI3029, 2N513B-2870.

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B113001 AU103-105-110, DTG2400, MP1612B, TI3031, 2N1364-1906-5009.
B113002 AU103-104-110, DTG1110, MP1612B, TI3031, 2N1364-1906-5009.
B113003 AU103-104-105, DTG2400, MP1612B, TI3031, 2N1364-1905-5007.
B113004 AU103-105-110, DTG1110, MP1612B, TI3031, 2N1364-1906-5009.
B113005 AU103-104, DTG1110, MP1612B, TI3031, 2N1364-1906-5009.
BC100 BCY49A, BD115-127.
BC107 AM251, BC147-167-207-317, MPS6566, SK3020-3122, ZTX107; TT107.
BC107A BC171A-182A-207A-237A-385A, MPS6566-6575, SK3020-3122, 2SC458, 2N324A-2921-3566-3568.
BC107B BC147B-167B-171B-182B-207B-237B-385B, MPS6566-6576, SK3122, 2N3242B-3566-3568.
BC108 AM252, BC148-168-208-318, MPS6520, SK3020, ZTX108, TT108.
BC108A BC148A-168A-172A-183A-208A-238A-368A, GI3710, BSY76, MPS6530-3710, SK3122, 40450, 2SC458, 2N3391-4135.
BC108B BC148B-168B-172B-183B-208B-238A-386B, BSY80, GI3710, MPS3710-6520, SK3020-40450, 2N4134.
BC108C BC148C-168C-172C-183C-208C-238C-386C, GI3710, MPS3711-6520, SK3122, 40399, 2N3711.
BC109 AM253, BC149-169-209-319, MPS6521, SK3020, ZTX109, TT109.
BC109B BC149B-169B-173B-184B-209C-239B, GI3711, MPS6521-6571, SK3020, 40397, 2SC458, 2N5126.
BC109C BC149C-169C-173C-184C-209C-239C, GI3711, MPS6521-6571, SK3122, 40450, 2N5132.
BC110 BC117-174, BF177, BSW65, BSY55, ME8002, SK3122, 2SC856, 2N699-1990-3701-4410-4961-5184.
BC112 BC146-246, SK3039.
BC113 BC148B-168B-172/B-183/B-208B-238/B-386B, GI3707, MPS3707-6520, NKT10519, SE4002, SK3122, SX3707, 40450, 2SC458, 2N3568.
BC114 BC149B-169B-171-173/B-184/B-207A-209B-237B-238B-239/B, GI3711, SK3122, 40397, MPS3711-6521, ZTX114, 2N3568.
BC115 BC182-237A, BCY58A, GI3706, MPS6566, NKT10439, SE6001, SK3122, 2SC984, 2N3568-3704-3933-4123-4876.
BC116 BC117-160/6-177-212/LA-261-307VI-313, GI3644, MPS6534, NKT20339, 2SA565, 2N2904-2906-3502-3468-4037-4403-5041.
BC116A BC177-212/LB-261, 2N2904-5041.
BC117 BC141-145-178; BF117-178-257-297, BFR86, MM2258, SE7002, 40373, 2N3019-5831.

BC118	BC147-167-129-171-182-207/A-237/A-385A, MPS6566-6575, NKT10439, SK3122, 40450, 2N3566-3568-3694-4401.
BC119	BC140-211, BSX46VI, SBC119, SK3024, 2N1507- 2218-2410-3252-5189.
BC120	BC108-140-211-286, BFY50, BSX45VI, SK3024, MM3725, 2N1507-2102-2218-2410-3036-3252/3- 3665-5189.
BC121	BFY87A, SK3020.
BC121W	BC146/R, BFY87Y, 2SC458.
BC121BL	BC146 Blue.
BC121GR	BC146 Green.
BC121YEL	BC146 Yellow, BC107A.
BC122	BC146, BFY87A, SK3020.
BC122W	BFY87A, BC146/R, 2SC458.
BC122Y	BC107A-146Y.
BC122B	BC146G.
BC122G	BC146G.
BC123	BC112, SK3020.
BC123W	2SC458.
BC123Y	BC107A.
BC125	BC107A-171-182-207A-237A-337-385A, GI3705, MPS6566-6575, SK3122, 2N3242A-3566-3705.
BC126	BC160VI-177-212-261-307-313-338-360VI, GI3644, SK3114, TIS93, MPS6535, 2N3638A-3703-4037- 4402-5041-5138.
BC127	BC146R, SK3039.
BC128	BC146G, SK3039.
BC129	BC107-147-167-171-182-207-237-317-385, MPS6566- 6575, NKT10519, SK3122.
BC129A	BC107A-182A, MPS6566, 2SC281, 2N3568.
BC129B	BC107B-182B, MPS6566.
BC130	BC108-148-168-172-183-208-238-386, GI3711, MPS3711-6520, NKT10419, SK3122, 40399, 2N3711.
BC130A	BC108A-183A, 2SC231.
BC130B	BC108B-183B.
BC131	BC108B-109-149-169-173-184-209-239-319-386, GI3711, MPS3711-6521, NKT10519, SK3122, 40399, 2N3711.
BC131B	BC109B-184B.
BC131C	BC109C-184C.
BC132	BC108-148-168-172-183-184-208/A-238A, GI3711, MPS6552, NKT10419, SK3122, SX3710, 40399, 2N3565-5136.
BC134	BC147-167-171-182/B-207/A-237B-385, MPS6575, SK3122, 2N3242-3566.
BC135	BC107/A-147-167-171-118-182A/B-207/A-385, MPS6566-6576, SK3122, 2N3242-3566-3568.
BC136	BC125-140/VI-171-182/A-237/A-211-341VI, GI2270, BSW63, MPS6530-6566, SK3122, 40347, 2N2221A- 2194A.
BC137	BC116-126-160/VI-313-327, GI3644, MM3726, MPS6533, SK3114, TIS93, 40410, 2N1132-2906- 4030-5042.

BC138 BC140-140/10-160, MM3725, SBC119, SK3024, 2N2219-5189.
BC139 BC140-160/VI, MM3726, MPS6534, SK3025, 40410, 2N1132-2904-3644-4036-5855.
BC140 BC142-144-286, BSY46, MM3725, SK3024, 2SC708, 2N2218/A-2102-2192/A-3036-5321.
BC141 BC142-310, BFX84, BSY55, ME8002, SK3024, 2N2102-2193/A-3020-3036-3569-5262.
BC142 BC141/VI-286, BSY55, ME8003, SK3024, 2N2102-2219/A-2792-3020-3036-3109-5321.
BC143 BC160-161/VI-287-313, BSY46, MM3726, SK3025, 2N1132-4031-4036-4037.
BC144 BC140/X-211-286-341X, BFY50, BSW63, SK3024, 2N2193-2218A-2788-3253-5321.
BC145 BC117-141, BF117-145-257-297, BFR86, MM3001, SE7002, 40373, 2N3114.
BC147 BC171-182/L-207-317, MPS6566, SK3020.
BC147A BC107A-167A-171A-118-182A/LA-207A-385A, BCY59A, MPS6566-6575, SK3020, 2SC281, 2N3242-3566-3568.
BC147B BC107B-167B-171B-182B/LB-207B, BCY59B, MPS6566-6576, SK3020, 2N3242-3566-3568.
BC148 BC172-183/L-208-318, MPS6520, SK3020.
BC148A BC108A-118-168A-172A-183A/LA-208A-386A, BCY58A, GI3710, MPS3710-6520, SK3020, 40450, 2SC281, 2N3568-3710.
BC148B BC108B/C-118-168B-172B-183B/LB-208B/C-386B/C, BCY58.B/C, GI3710/1, MPS3710-3711-6520, SK3020, 40399-40450, 2N3568-3710-3711.

BC148C BC108C-118-168C-172C-183C/LC-208C, MPS6520, SK3020, 2N3568.
BC149 BC184/L-209-173-319, MPS6521, SK3020.
BC149B BC109B-169B-173B-184B/LB-209B-386B, BCY58B, GI3710, MPS3710-6521, SK3020, 40450, 2SC258, 2N3710.
BC149C BC109C-169C-173C-184C/LC-209C-386C, BCY58C, GI3711, MPS3711-6521, 40399, SK3020, 2N3711.
BC153 BC154-157-159-177-179-204VI-206-212/A-214A, 251-253-259-263-307A/VI, BCY79A, MPS6516-6534, NKT20339, SK3114, 40419, 2N3964-4059-5041.
BC154 BC158-204B-212B-213-214/B-252-307A/B, BCY79B, MPS6522, SK3114, NKT20339, 40419, 2N4059-4359-5087.
BC155 BC121-146, SK3039.
BC156 BC112-121-146, SK3039.
BC157A BC204A-212LA-251A-291D, 40408, 2N3244-3908-4121.
BC157B BC204B-212LB-251B-291D, 40408, 2N3245-3908-4121.
BC157VI BC212L
BC158 BC178-153-205-213/L, 252-258-321, MPS6522, SK3118, 2SA565.
BC158A BC204A-205A-213LA-214A-252A, MPS6534, SK3118, 40634, 2N3644-4359.

BC158B	BC204B-205B-213LB-214B-252B, MPS6534, SK3114, 40419, 2N3962-4059.
BC158C	BC213LC.
BC159	BC153-179-206-214/L-253-259-263-322, MPS6523, SK3114, 2SA565.
BC159A	BC214LA, SK3114.
BC159B	BC214LB, SK3114.
BC159C	BC214LC.
BC160	BC143-287, MM3726, SK3025, 2N1132-2904-4037. SK3025.
BC160-6/10/16	BC311, SK3025, 2N2904-4036-4037.
BC161	SK3025.
BC161-6/10/16	BC167A-171/A-182/A/L-207-237-317, MPS6566, SK3122, 2SC458.
BC167	
BC167A	BC107A-118-147A-171A-182A/LA-207A, MPS6566.
BC167B	BC107B-118-147B-171B-182B/LB-207B, MPS6566.
BC168	BC172-183/L-208-238-318, MPS6520, SK3020.
BC168A	BC108A-118-148A-172A-183A/LA-208A, MPS6520, SK3020, 2SC458.
BC168B	BC108B-118-148B-172B-183B/LB-208B, MPS6520, SK3020.
BC168C	BC108C-118-148C-172C-183C/LC-208C, MPS6520.
BC169	BC173-184/L-209-239-319, MPS6521, SK3020.
BC169B	BC109B-149B-173B-184B/LB-209B, MPS6521, SK3020.
BC169C	BC109C-149C-173C-184C/LC-209C, MPS6521, SK3018.
BC170	BC108-148-168-113-183-208-318, MPS6520, SK3122, SX3708.
BC170A	BC148-168-172-183-208-238A, SK3122, SX3710, 2SC458.
BC170B	BC148-168-172-183-209-238A, SK3122, SX3709.
BC170C	BC148-168-172-183-208-238, SK3122, SX3711.
BC171	BC107-113-147-167-182-207-237-317, MPS6566, SK3122, 2SC458, 2N2921.
BC171A	BC107A-182A-237A, SK3122.
BC171B	BC107B-182B-237B, SK3122.
BC172	BC108-114-148-168-183-208-238-318, MPS6520, 2SC458.
BC172A	BC108A-183A-238A, SK3122.
BC172B	BC108B-183B-238B, SK3122.
BC172C	BC108C-183C-238C, SK3122.
B173	BC109-149-169-184-209-239-319, MPS6521, SK3020, 2SC458.
BC173B	BC109B-184B-239B, SK3020.
BC173C	BC109C-184C-239C, SK3122.
BC174	BC110-182-108, BFR40, SK3024.
BC174A	BC190A, BFR40, SK3024.
BC174B	BC190B, BFR40, SK3024.
BC177	BC157-153-204-212-251-257-261-320, MPS6516/7, SK3114, 2SA565.

BC177A/B	SK3114.
BC178	BC153-158-205-213-252-258-262-321, MPS6518-6522, SK3114, 2SA565.
BC178A/VI	SK3114.
BC178B	SK3053.
BC179	BC154-159-206-214-253-259-263-322, MPS6519-6523, SK3114.
BC179A/B	SK3114.
BC181	BC153-157-177-204-212-251-257-261-307VI-308VI, MPS6519-6523.
BC182	BC107-147-151-167-171/A-174-207/A-237/A-317, MPS3704-6566, SK3122, 2N3242-3566.
BC182A	BC171B-207B-237B, MPS3704, 2N3242-3566.
BC183	BC107-147-167-172-207-208-237/A-238-318, MPS6520, SK3122.
BC183A	BC171A-183B-207A-237A/B-327, MPS3704, 2N3242-3566.
BC183B	BC171B-207B-237B-327, MPS3704, 2N3242-3566.
BC183C	BC207, BCY59D, MPS6575, SE6001, 40450, 2N2926.
BC184	BC109-149-169-173-209-237-239/B-319, MPS6521, SK3122.
BC184B	BC171B-207B-237B, MPS6575, 40450, 2N2926-3566.
BC184C	BC207, BCY59D, MPS6575, SE6002, 40399, 2N2926.
BC185	BC140/X-177-181-211-261, BFY67, FT3722, 40314, 2N1613-1711-2192-2219.
BC186	BC107A-177VI-178-181-261, SK3122.
BC187	BC177VI-178A-179-181-261, SK3114.
BC190A	BC107A-174A, BCY65E/7, BFR16, 2N956-2219A-2484-2645-3904-4409.
BC190B	BC107A-174B, BCY65E, BFR17, 2N956-2219A-2484-2645-3904-4409.
BC192	BC328, BFW20, ME0402, SK3114, 2N2906/7-3485-3644-3720-5354.
BC194	BC246R.
BC196/IV	BC200R.
BC196A/B	BC200G, SK3114.
BC197	BC107-147-167-171-182-207-237B-317, MPS6566, SK3122.
BC197A	BC107-123Y-147-171-182-207, SK3122.
BC198A	BC108-122Y-148-172-183-208.
BC199	BC109-146G-149-169-173-184-209-319, MPS6521, SK3122.
BC199B	BC109-122G-149-173-184-209.
BC200	BC206-322, SK3118.
BC201	BC109-168-200-239, SK3114, 2SA565.
BC202	BC108-200Y-238/9, SK3114, 2SA565.
BC203	BC107-200Y-237, SK3114, 2SA565.
BC204	BC157-177-153-212-251-257-261-307, MPS6516/7, SK3114.
BC204VI	BC177VI-212-251A-291D-307VI, MPS3703, SK3114, 40406. 2N3133-3251.

BC204A	BC177A-212A-251B-291A-307A, MPS3702, SK3114, 40406, 2N3133-3251.
BC204B	BC177B-212B-251C-291D-307B, MPS3702, SK3114, 40419, 2N3134-3251.
BC205	BC153-158-178-213-252-258-262-308, MPS6518-6522, SK3114.
BC205VI	BC116-178VI-213A-252A-308VI, EN3502, MPS6519, SK3114, 40419, 2N3134.
BC205A	BC116-178A-205A-252B-308A, EN3502, MPS6519, SK3114, 40419, 2N213B-3702.
BC205B	BC116-178B-213B-252C-308B, EN3502, MPS6519, SK3114, 40419, 2N3134.
BC206	BC154-159-179-206-214-253-259-263-309, MPS6519-6523; SK3114.
BC206B	BC179B-214B-253B-291D-309B, SK3114, 40419, 2N3251-3644.
BC207	BC107-113-147-167-171-182, MPS6577, SK3122.
BC207A/B	BC171B-182B-237B-385B, MPS6575, SK3122, 2N3242-3566.
BC208	BC108-148-168-172-183, MPS6520, SK3122.
BC208A	BC172A-183A-238A-386A, MPS6574, SK3122, 40450, 2N2924-5136.
BC208B	BC172B-183B-238B-386B, MPS6574, SK3122, 40450, 2N2925-5136.
BC208C	BC172C-183C-238C-386C, MPS6574, SK3122, 40399, 2N2926-5136.
BC209	BC109/A-149-169-173-184, MPS6521, SK3122.
BC209B/C	BC174C-184C-239C-386C, MPS6574, SK3122, 40399, 2N2926-5136.
BC211	BC140/VI-120, BFR17, BSX45VI, SK3024, 40290, 2N2102-2218/A-2219A-2193A-3020-3036-3567-3725-4409.
BC212	BC153-157-177-204-251-257-261-307-320, MPS6516, SK3114.
BC212A	BC204-266A-307A-327, ME0411, 40314, 2N3790-3906-4121.
BC212B	BC204-266B-307B-327, ME0412, 40314, 2N3790-3906-4121.
BC213	BC153-157-177-204-251-257-261-205-307/VI-321, MPS6522, SK3114.
BC213A	BC204-266A-307A-327, ME0411, 40314, 2N3790-3906-4121.
BC213B/C	BC204-266B-307B-327, ME0412, 40419, 2N379-3906-4121.
BC214	BC154-159-179-253-259-263-206-307/A-322, MPS6523, SK3114.
BC214A/B/C	BC204-266B-307B-327, ME0412, 40419, 2N3790-3906-3962-4059-4121-4249.
BC215	BC149-157-231-261-327, MPS6534.
BC215A	BC153-160VI-290-313-327, 2N4031-4236-5323.
BC215B	BC154-160X-290-313-327, 2N2907-3799-403B-4236-5323.

BC216	BC107A, SK3024.
BC219A	2N4360.
BC219B	2N4343.
BC219C	2N4342.
BC220	BC113-170C-209B-237A-239B/C-386B, MPS6544, SK3122, SX3710, 40399, 2N2926-5136.
BC221	BC328, BFY64, BSV15X, BSX40, ME0402, SE8540, SK3114, NKT20339, 40406, 2N2906-5226-5365.
BC222	BC125-338, BSX22-70-75, NKT10339, ME8061, SE8040, 40407, 2N2221-3705-4424-5225.
BC223	BC107-120-140/XVI-144-147-130-207-223-337-340XVI, MPS3705, BFX55, BFY68, SE8002, 2N2218-2788- 3020-3553-3704-4046-4952.
BC224	BC153-158-162-178-204B-205-213-225-252-258/B- 262-307B-308B, BCY78C, MPS6518-6522, NKT20339, 2N3136-4037-5244.
BC225	BC204A-212-224-251A-307A/VI, MPS6518, NKT20339, SK3118, 2N3136-4037-5244.
BC231	BC137-160-161-177-179-224-225-257A-261-327, BSW45A, FPS6535, NKT20339, 40406, 2N3251- 5244.
BC231A/B	BC327.
BC232	BC107-130-136-140-147-167A-207-225-231-337-340, BSW43A, FPS6532, NKT20339, 40406, 2N2222- 3251.
BC232A/B	BC337.
BC237	BC107-147-167-171-113-182-207-317, MPS6566, SK3122.
BC237A	BC107A-144-182A-171A-207A-232, MPS3705, NKT10339, 40407, SE8002, 2N2788.
BC237B	BC107A/B-171B-207A/B-385A-182B, MPS6575, 40450, 2N3566.
BC238	BC108-114-148-168-172-183-208-318, MPS6520, SK3122.
BC238A	BC107B-108A-183A-207B-172A-208A, MPS6575, 40450, 2N3566.
BC238B	BC108A/B-172-183B-208A/B-386A, MPS6574, 40450, 2N2924-5136.
BC238C	BC108B/C-172C-183C-208B/C-386B, MPS6574, 40450, 2N2925-5136.
BC239	BC109-149-169-173-184-209-319, MPS6521, SK3122.
BC239B	BC108C-109B-173B-184B-208C-209B-386C, MPS6574, 40399, 2N2926-5136.
BC239C	BC109B/C-173C-184C-209B/C-386B, MPS6574, 40399, 2N2925-5136.
BC250	BC153-177-205-231-308-321, MPS6516, SK3114, SX4059.
BC250A	BC109C-178A-205VI-209C-258A-260A-308A/VI-386C, MPS6574, SK3114, 40399, 2N2926-5136.
BC250B/C	BC205A/VI-178B-212-258B-260B-307VI-308B, MPS3703, SK3114, 40406, 2N3133-3251.
BC251	BC153-157-177-204-212-257-261-307-320, MPS6516, SK3114.

BC251A	BC204VI-205B-212A/B-261A-307A/B/VI, BCY79A, MPS3702, SK3114, 40419, 2N3134-3251:
BC251B	BC204VI-204A-208B-213A-212B-261B-307A/B, BCY79B, SK3114, 40314, 2N3790-3906-4121.
BC251C	BC204A/B-212B-213B-261C-307B/C-308A/B, SK3114, 40314, 2N3790-3906-4121.
BC252	BC153-158-178-205-213-258-262-308-321, MPS6522, SK3114.
BC252A/B	BC204B-205VI-213A/C-262A-308A/B/VI, BCY78A, SK3114, 40419, 2N3790-3906-4121.
BC252C	BC205A/B-213C-214A-262C-308B/C-309A, BCY78C, FT3645, MPS6519, SK3114, 40419, 2N3644.
BC253	BC153-159-179-206-214-259-263-309-322, MPS6523, SK3114, 2SA565.
BC253A/B	BC206B-214A-309A/B, BCY78B, FT3645, SK3114-40419, 2N3133-3251.
BC253C	BC263C-309B/C, SK3114.
BC254	BC108A-110-107-130-145-147-174-206B-207-214C-307A-309B, BSY55, FT3645, 40419, 2N3134-3251.
BC255	BC107-108B-130-145-147-337, BF178, BFY43.
BC256	BFR80, SK3114, 2N4250A.
BC256A	BC117-161VI-254-266A-307A, BCY79A, BSW44A, ME0411, SK3114, 2N871-1890-1893-5320.
BC256B/C	BC161VI-204-256A-266B-307A-BCY79A/B/C, BSW44A, MPS6534, SK3114, 40634, 2N3644-4359.
BC257	BC153-157-177-204-212/L-231-251-261-307, MPS6516/7, SK3118, 2SA565.
BC257A/B/VI	BC177C-204B-224A-251C-287A-308A/B, FT3645, MPS6516/7, 40419, 2N3644.
BC258	BC153-158-178-205-213/L-251/2-262-307, MPS6518-6522, SK3114, 2SA565.
BC258A/B/C	BC178C-205B/C-225C-252C-291D-308C, MPS6519, 40419, 2N4059-5244.
BC259	BC153-159-179-206-214/L-253-263-309, MPS6519-6523, SK3114.
BC259A	BC212LA.
BC259B	BC179B-206B-214LB-253B-283B-309B, MPS6522, 40406, 2N2696-3134.
BC259C	BC179C-206C-214C-253C-283-309C, MPS6522, 40406, 2N2696-3134.
BC260	SK3114, 2N3964.
BC260A	BC178A/VI-204A-212-250A, MPS6519, SK3114, 40406, 2N3133-4121.
BC260B	BC178A/VI-204B-212B-250B, MPS6519, SK3114, 40406, 2N3134-4121.
BC260C	BC178B/C-204-212C-250C, MPS6519, SK3114, 40419, 2N3134-4121.
BC261	BC153-157-177-204-212-251-257, MPS6516, SK3025, 2N3964.
BC261A	BC177A/VI-204III-212-251A-307A, SK3025, 40406, 2N3133-3906-4121.
BC261B	BC177A-204A-212A-251B-307B, BCY79IX, SK3025, 40406, 2N3133-3906-4121.

BC261C BC177B-204B-212B, 251C-307C, SK3114, 40406,
 2N3134-3906-4121.
BC262 BC153-158-178-205, 213-252-258-262, MPS6522,
 SK3114, 2N3964.
BC262A BC178A/VI-205VI-213-252A-308A, SK3114, 40314,
 2N3251-3790.
BC262B/C BC178B-205B-213B-252C-308C, MPS3702, SK3114,
 40314, 2N3251-3790.
BC263 BC153-159-179-206-214-253-259, MPS6523, SK3114,
 2N3964.
BC263A BC179A/VI-206VI-214-253A-309A, FT3645, MPS6516,
 SK3114, 40419, 2N3133.
BC263B/C BC179B/C-206B/C-214B/C-253B/C-309B/C, FT3645,
 MPS6517/8, SK3114, 40419, 2N3134.
BC266 BC143-212, SK3114, 2N3962-3965.
BC266A BC139-161/VI-256A-307A, BFY79A, BSV16VI,
 BSW44A, ME0411, SK3114, 2N2906A-3250A-4037.
BC266B/C BC139-161X-166VI-256B-307B, BCY79B/C,
 BSV16VI/X-BSW44A-45A, ME0411/2, SK3114,
 2N2906A/7A-3250A/1A-4037.
BC267 BC140-144-207-211-317, SK3122, 2N2102-2218-3020-
 3036.
BC267A BC107A-171A-207A-237A-385A, MPS6575, PBC107A,
 2N3242-3566.
BC267B BC107B-171B-207B-237B-337-385B, MPS6575,
 PBC107B, 2N3242-3566.
BC268 BC140-208-211-318-338, SK3122, 2N2102-2218-3020-
 3036.
BC268A BC108A-172A-208A-238A-386A, PBC108A, MPS6574,
 40450, 2N2924-3565.
BC268B/C BC108C-172C-208C-238C-386C, PBC108C, MPS6574,
 40399, 2N2926-3565.
BC269 BC109-209-319, SK3122.
BC269B/C BC109B/C-173B/C-209B/C-239B/C-386B/C,
 PBC109B/C, MPS6574, 40399, 2N2925/6-3565.
BC270 BC140-144-223-283-338, SK3122, 2N2218-3020-2102.
BC270A BC108A-170A-208A-238A-386A, MPS6574, PBC108A,
 40450, 2N2924-3565.
BC270B/C BC108B/C-107B/C-208B/C-238B/C-386B/C,
 PBC108B/C, 40399, 2N2925-3565.
BC271 BC283-338.
BC271A/B BC172A, BSX45VI/X, ME8001, NKT10339, 40407,
 2N2222-2645-3568-4409.
BC272 BC337, 2N2222.
BC272A/B BC171A/B, BSX45XVI, ME8001, 40407, 2N2222-2645-
 3568-4409.
BC280 SK3122, 2N930.
BC281 SK3114, 2N3964.
BC282 BC190A, BCY65VII, BSX45XVI, SK3122, 2N2483-
 2952-3053-3946-3947.
BC283 BC313-360X, BSV15VI, SK3114, 2N2906/7-4030-4236.
BC284 SK3122, 2N915.
BC284A BC140X-184A, BCY59A, BSX51A, SK3122, 2N2218-
 R553-4237.

BC284B	BC140XII-184B, BCY59B, BSX52A, SK3122, 2N2219-3553-4237.
BC285	BF117-178-257-336, SK3122, 40373, 2N2243-3114-3723-4001-4895.
BC286	BC140XVI-141XVI, BFY46-68, BSY54, SK3024, 2N1711-3568-3725A, 40290.
BC287	BC161VI/X-313, SK3025, 2N2904A-4030, 4037-4236.
BC288	BC140X-211, BFX34, BFY55, BSX45X-62, ME8003, SK3024, 2N3109-3110-3553-3567-4047.
BC289	BC107, SK3122.
BC289A	BC171A-207A-382A, BCY59B/D, MPS6576, SK3122, SE6001, 2N3242A-3665.
BC289B	BC171B-207B-382B, BCY59C, MPS6576, SK3122, SE6002, 2N3665.
BC290A	BC107B.
BC290B	BC172B-207B-283B, BCY59C, MPS6574, SK3122, 2N3242A-3665-5136.
BC290C	BC172C-207-383C, BCY59D, MPS6574, SK3122, 2N3242B-3665-5136.
BC291	BCY79VIII, SK3114.
BC291A	BC204A-224A-307A, BCY79B, MPS6519, SK3114, 40419, 2N3790-4121.
BC291D	BC204VI-224B-307VI, BCY79A, MPS6519, SK3114, 40419, 2N3790-4121.
BC292	BCY79X, SK3114.
BC292A	BC204A-214A-307A, BCY79B, MPS6516, SK3114, 40406, 2N3133-4121.
BC292B	BC204B-214B-307B, BCY79C, MPS6517, 40406, 2N3134-4249.
BC293	BFX34, BSV64, BSX45VI-63, 2N1479-1613-3405-3418-3553-3568-5531.
BC297	BC143-160-227, MM3726, 2N1132-4037.
BC297B	BC307A.
BC297PA/B	BC204A/B-214A/B-307A/B, BCY79A/B, MPS6519, 40419, 2N3790-4121.
BC298	BC143-160-328, MM3726, 2N1132-4039.
BC300	BC141-293, BSV64, BSX46X-47, ME8002, 2N1893-2102-3019-3020-3036-3553-3568.
BC301	BC141/VI-211-293, BSW65, BSX23-46X-62, ME8003, MM3001, SK3024, 2N286-2102-2243A-2351-3032-3036-5184.
BC302	BC140/VI-144, 2N2102-2218-3020-3109.
BC303	BC161/VI-287-313, SK3025, 2N4030-4036/7-4236.
BC304	BC143-160/VI-287, MM3726, 2N1132-4037.
BC307	BC153-157-177-204-212-251-261-320, MPS6516/7 SK3114.
BC307VI	BC177VI-204VI-212-214A-261A, MPS6519, 40419, 2N3790-4121.
BC307A	177A-204A-212A-214A-251A-261A/B, MPS6519, 40419, SK3114, 2N3790-4121.
BC307B	BC251B-261B.
BC307C	BC251C-261C.

BC308	BC153-158-178-205-213-252-262-321, MPS6518-6522, SK3114.
BC308VI	BC178A-205VI-214A-213-262A, MPS6519, 40419, 2N3790-4121.
BC308A	BC178B-205A-213A-224A-252A-262A/B, MPS6519, 40419, SK3114, 2N3790-4121.
BC308B	BC178B-205B-213B-252B-262B/C, MPS6519, 40406, 2N3133-4121.
BC308C	BC252C-262C.
BC309	BC153-159-179-206-214-253-263-322, MPS6519-6523, SK3114.
BC309A	BC206A-214A-179A-253A-263A, 40419, SK3114, 2N3790-3906-4121.
BC309B	BC206B-179B-214B-253B-263B, 40419, 2N3790-3906-4121.
BC309C	BC253C-263C.
BC310	BC286.
BC311	BC287.
BC313	BC160VI-161/VI-287-313, BSV16VI, SK3024, 2N4030-4036/7-4236.
BC314	BC293, BD139, BSV64, BSW10, BSX63, 2N1479-2243A-2351-5184-5531.
BC315	BC153-159-177A-179-204A-206-214/B-253-261B-263-415A, MPS6523, 40419, 2N3790-3906-4121-5087.
BC320/A/B	BC327.
BC327	BC161XVI-287, TIS93, 2N2907A-4030-4037-4236-5368.
BC328	BC160XVI-207, TIS93, 2N2907-4030-4037-4236-5368.
BC329	2N5210.
BC333	BC239B.
BC334	BC309A.
BC335	BC239B.
BC336	BC309A.
BC337	BC140XVI-288, TIS92, 2N2222A-3110-3553-3567-3725-4047-4424.
BC338	BC140XVI-288, TIS92, 2N2222-3110-3553-3567-3725A-4047-4424.
BC340	2N3109-3110.
BC340VI	BC140VI-288, SK3024, 2N2218A-3110-3553-3567-3725-4424.
BC340X	BC140X-288, SK3024, 2N2219A-3110-3553-3567-3725-4424.
BC340XVI	BC140XVI-289B, SE6002, SK3024, 2N2219A-3110-3553-3567-3725A-4424.
BC341	2N3107-3108.
BC341VI	BC141VI-289A-383A, MPS6576, SE6001, SK3024, 2N3242A-3417-3665.
BC341X	BC141X-289A-383A, MPS6576, SE6002, SK3024, 2N3242B-3417-3665.
BC341XVI	BC141XVI-289B-383B, MPS6576, SE6002, 2N3242B-3417-3665.
BC342	BC141VI.
BC343	BC161VI.
BC344	BD139.

BC345	BD140.
BC347	BC237A/B.
BC348	BC237A/B.
BC349	BC308VI/A.
BC350/1	BC307VI/A.
BC352	BC308VI/A.
BC354	BC238A/B.
BC355	BC308VI/B.
BC357	BC308.
BC360	BC143-160, MM3726, 2N1132-4037-5022-5023.
BC360VI	BC160VI-287, SK3025, 2N2904/A-4030-4037-4236.
BC360X	BC160X-287, SK3025, 2N2905/A-3644-4032-4033-4037.
BC360XVI	BC160XVI-287, SK3025, 2N2905/A-3644-4032-4033-4637.
BC361	BC143-157-160-161-177, MM3726, 2N1132-4030/1/2-4037.
BC361VI	SK3025, 2N2904A.
BC361X	SK3025, 2N2905A.
BC370	BC143-160-328, MM3726, 2N1132-4037.
BC377	BC140-144-337, 2N2102-2218-3020-3036.
BC378	BC140-144-338, 2N2102-2218-3020-3036.
BC381	BC177/A-204A-225-261/A-307VI-328, EN3250, 2N3250-3702-4403.
BC382	BC107-113-147-167-171-182-207-414A/B, MPS6566.
BC382B/C	BC207-237A/B-266A/B, MPS6575-40450, 2N3566.
BC383	BC108-114-148-168-172-183-208-237-413B/C, MPS6520.
BC383B/C	BC207-237C-266C, MPS6575, 40450, 2N3566.
BC384	BC109-149-169-173-184-209-413B, MPS6521.
BC384B/C	BC207-237B-261B-337, MPS6575, 40450, 2N3566.
BC385	BC107-113-147-167-171-182-207-237/A-261B-337, MPS6566-6575, 40450.
BC386	BC108-114-148-168-172-183-208-238/B-262C-338, MPS6520-6575, 40450, 2N3566.
BC387/8	BC337.
BC397	BC161VI.
BC398	BC141VI.
BC399A	BC146 Yellow.
BC399B	BC146 Green.
BC407	BC237.
BC408	BC238.
BC409	BC239.
BCW10	ZXT300.
BCW11	ZXT500.
BCW12	ZXT301.
BCW13	ZXT501.
BCW14	ZXT302.
BCW15	ZXT502.

BCW16	ZXT303.
BCW17	ZXT503.
BCW18	ZXT304.
BCW19	ZXT504.
BCW20	ZXT330.
BCW21	ZXT530.
BCW22	ZXT331.
BCW23	ZXT531.
BCW29	BC153-158A-204A-308A, BCY78A, GI3702, MPS3702, SK3118, 40319, 2N978-4060.
BCW30	BC153-158B-204B-308B, BCY78B, GI3702, MPS3702, SK3118, 40319, 2N2411-4060.
BCW31	BC132-148A-183-208A, BCY58A, GI3709, SK3039, 2N930-2483-4135.
BCW32	BC148B-183C-208B-284, BCY58B, GI3710, SK3039, 2N930-2484-5219.
BCW33	BC108C-148C-208C-384C, BCW32, BCY58C, FT107C, GI3711, 2N2484-5223.
BCW34-36	BC140X-144-211-340X, ME8003, SK3122, 2N2222A-2484.
BCW37	BC143-160X-313-360X, ME0402, SK3114, 2N2907A-5323.
BCW46	BC140XVI-211, BCY86, BSX45XVI, SK3024, 2N2222A-2483-3568.
BCW47	BC147B-182A-204A-207/B-317, BCY58B, MPS6576, SK3024, 2N2484.
BCW48	BC148C-183-204C-208/C-318, BCY58C, MPS6575, SK3024, 2N2484-3569.
BCW49	BC149C-184-205C-209/C-319, BCY59C, MPS6571, SE4002, SK3024, 2N2483-3569.
BCW56	BC161X-287-313, BSV16X, BCW85, SK3118, 2N2907A-4249-4356-5323.
BCW57	BC157A-204-207A-291A-320, BCW86, BCY58A, SK3118, 2N3486-4143-5323.
BCW58	BC158B-205-208B-292-321, BCY59B, GI3702, MPS3702, SK3118, 2N4037-4058-4359.
BCW59	BC159B-206-208C-292-322, BCY59C, GI3703, MPS3703, SK3118, 2N4037-4058-4359.
BCW85	BC139-313-361X, 2N2907A-4036-4356.
BCW86	BC177A-313-361X, BSV16X, 2N2907A-4036-4356.
BCX10	2N1132.
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BCY11	BCY39, ME513, SK3114, 2N329A-1232-3062.
BCY12	BC143-160, BCY40, BSW20VI, BSY59, NKT20339, SE8540, SK3114, 2N721-1131/2.
BCY13	BC144, BFX61, BFY12-40-44-50, ME8003, SK3122, 40347, 2N497-656-2194-2219-2410.
BCY14	BC142, BFX65, BFY13-41-65, BSY55, ME8002, 2N657-698-1890-5320.
BCY15	BC144, BFX61, BFY40-44-13-51, ME8003, SE8001, SK3122, 40347, 2N656-2194-2219-2410-4140.

BCY16	BC142, BFX84, BFY41-65, BSY55, ME8002, SK3122, 2N657-698-1890-2219-5320.
BCY17	BCY27-38, BSX36, MPS6535, SE8540, SK3025, TIS38, 2N3644-5243.
BCY18	BCY28-38, BSX36, MPS6535, SE8540, SK3025, TIS38, 2N3644-5243.
BCY19	BCY40, BFX74A, SK3025, 2N2605-3072-3250A-3468-3962.
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BCY22	BCY29-39, BFS91, SK3025, 2N3496-4356-5323.
BCY23	BCY29-40, BSX36, MPS6535, SE8540, SK3025, TIS38, 2N3644.
BCY24	BCY29-38, BSX36, MPS6535, SE8540, SK3025, TIS38, 2N3644.
BCY25	BCY29-54, MPS6535, SE8540, SK3025, TIS38, 2N3644.
BCY26	BCY29-38, BSX36, MPS6535, SK3025, TIS38, 2N3644-5243.
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BCY29	BCY34, BSX36, MPS6580, SK3114, 2N3638-3829-5040.
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BCY33	BCY40-78VII, BSX36, MPS6580, SK3025, 2N3638-3829-5040.
BCY34	BC177-212-216-261, BCY27-29-38-78VII, BSX36, MPS6535, SK3025, TIS38, 2N3644-5040.
BCY38	BC143, BCY29, MPS6535, SE8540, SK3114, 2N2904-3644-3762.
BCY39	BC160-161, BFX74A, SK3114, 2N2904/A-3072-3496-3763-4027-5323.
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BCY42	BFY39I, BSW41, BSX25-26-48, SK3122, SE6001, 2N708-3935-4123-4148-4876.
BCY43	BFY33-39I, BSW41, BSX25-26, SE6001, SK3122, 2N708-3933-4123-4148-4876.
BCY50	BC108A/B-183/B, BSX68, BSY62, ME3001, SK3122, 2N709-743-4251-5186-5220.
BCY50R	BC109B-184B
BCY50I	BC108B-130B-183B-SK3122
BCY51	BC108A/B-107/B-182B-183/B, BSX26-68, BSY62, ME3002, SK3122, 2N744-2432-3564-3600-4264-5137
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BCY51R	BC109B-184B, MPS6521
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BCY56	FT107B, SE4021, SK3122, 2N2484
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BCY57	BC107A-182A, BCY58, FT107A, SE4022, SK3122, 2SC648, 2N2484-2921-3568
BCY57A/B	BC208-383B, BCY58B/C, GI3706, MPS3706, SE2001, 40450
BCY57C	BC208-383C, BCY58C, GI3706, MPS3706, SE4002, 40399
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BCY59B	BC207, BCY59VIII, MPS3694, SE1002, SK3122, TIS97, 40407, 2N3694
BCY59C	BC207-382C, BCY59IX, MPS6575, SE4021, SK3122, 2N3694-5106
BCY59D	BCY59X, SK3122
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BCY66VII	BC207-289A/B, BCY59B/C, MPS6575, 2N929-930-3694
BCY67	BC325, BCY71, SK3025
BCY67VII	BC204-292A, BCY79B, 2N3798-3964-5086
BCY67VIII	BC204-292B, BCY67VIII-79C, 2N3799-3964-5087
BCY70	BC161VI-177-204-212-216-261-287-361VI, BCY79, SK3114, 2SA549, 2N2906A-3250-3964
BCY71	BC160VI-204-292A-360VI, BCY79B, SK3114, TIS93, 2N3644-3964-4359
BCY72	BC160VI-116-205-360VI, BCY78B, MPS3638, SK3114, 2N2696-3638-3644-3964
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BCY85	BC141XVI, BFR21, BSY56, 2N1890-2405-3499-4410
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BCY86	BC141XVI, BFR20, BSY54, 2N2511-4409
BCY86A	BC107B
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BCY90/1/2	BC160VI-287, BCY19-54, GI3644, ME0411, MPS6516, SK3114, 2N3644-4121-5365-5448
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BCZ10 BC153-177-178-204-206-212-213-216-261-360VI, BCY72-78B, BSV15VI, BFX48, MPS6522, GI3638, SK3114, 2N2695-3638-3829
BCZ11 BC177-204-206-212-216-261, BCY72-78A, BSX36, GI3638, MPS3638, SK3114, 2N2695-3638-3829
BCZ12 BC360VI, BCY70, BFX40, BSV16VI, ME0411, SK3114, 2N2905-3763-4026-4030-4037-5365
BCZ13 BC153-178-200-205-206-213-261-262, BCY27-72-78A, BCZ33, BSX36, GI3638, MPS3638-6522, SK3114, 2N2695/6-3638-3829
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BD117 BLY47, BD123-127-130, BDY11-13X-34-39-55, SK3017A, 2SC1030, 2N1490-1618-2820-3055-3233
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BD119 BD127-129-144, BDY29, BLY50, BU111, 40328, 2N2580-3902
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BF164 BF167-198-224-225/J-241, BFX60, BFY88, ME5001,
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BF168	BF167-173-225, MM8000, SK3117, 2N3689-3693-3932
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BF182	BF155-224-311, BFX62, BFY37-88, MPS6542, SE3005, SK3117, 40237, 2N3691
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BF185	BF115-125-167-195-235-237-241-255-288-385, GI3693, MPS3693, SE5056, SK3117, 40478, 2SC535, 2N3932-4436
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BFX34	BSV64, BSX46VI-85, SK3045, 2N2193A-3419-4300- 4895-5154
BFX35	BC360XVI, BCY79B, BSW21A, 2N3251-3504-3644
BFX36	2N3810-4024
BFX37	BC161XVI, MM4000, 2N2907A-3962/3-4033-4928- 5323
BFX38	BC161/X, SK3025, 2N3468-3763-4032-4037-4356, BFT80

BFX39	BC360VI, BSV15VI, BFT80, BSV15VI, BSW224, ME0401, 2N3468-3763-4030-4037-4354
BFX40	BC161/VI-313, BFT79, BSV16VI, BSY40, ME0401, SK3025, 2N4031-4033-4236-4356-5323
BFX41	BC161/XVI-313, BFT79, BSV16XVI, BSW19A, BSY41, SK3025, 2N4030/1-4236-4356-5323
BFX42	BFW30, BFX32-59-73, ME3002, MM1500, 2N915-918-3839-4251
BFX43	BFX92, BFY90, BSX19-92, BSY63-95A, ME9001, SK3039, 2N2368/9-2616-3563-4072-4873-5180
BFX44	BFX93, BFY90, BSX20-93, BSY63-95A, ME9001, NKT16229, SK3039, 2N2368/9-4134-4874, 40405
BFX45	BC148, BCW49, BCY58C, BSW42A, BSX24-38-81-93, MPS6542, NKT12429, SK3039, 2SC907, 2N2222-2369-3691-3932
BFX48	BC179, BCY78A, BSW21, ME0463, NKT20329, 40406, 2N2905-4034-4061-4125-4916-5208
BFX50	BFX61-68A, BFY55-56A, BSY83, SK3024, 2N1889-2193-2222A-2297-3110-4014-5231
BFX51	BFX61-68A, BFY55-56A, BSY83, SK3024, 2N1889-2193-2221A-2297-3108-4047
BFX52	BFX72, BFY52-67C, BSX22-32, SK3024, 2N2195/B-2222A
BFX53	BFY90
BFX55	BFS10-23, BFY88, SE3006, 2N2218A-3553-3866, 40347
BFX59	BFS17, BFX73-89, BFY90, FT129, ME3011, NKT16229, SE3005, 2SC890, 2N918-3794-3839
BFX60	BF173-198/9-271, FT129, NKT16229, SK3117, 2SC463, 2N918-3337-3693-3933-4876
BFX61	BFX51-68A, BFY50-55, SFT443, SK3024, 2N1889-1893-2193-2297-3110-4014-5321
BFX62	BF180-224-270, BFY90, ME3001, MPS6542, NKT10519, SE5025, SK3117, 2SC707, 2N918-2708-3691
BFX65	2N3962
BFX66	2N997/8
BFX67	2N997
BFX68	BFY68, BSX45XVI, BSY54-71, SK3024, 2N1711-2049-3019-3253-3735-3737-5262
BFX68A	BSX45XVI, BSY54, SK3024, 2N1711-2193-3019-3109-3252
BFX69	BFY67, BSX45VI, BSY53, SK3024, 2N1613-3020-3170-3253-3735-5262
BFX69A	BFY55, BSX45VI, BSY54-83, SK3024, 2N2193-3020-3110-3253
BFX70	2N2060
BFX71	2N2223
BFX72	2N2223A
BFX73	BFX58-89, BFY90, ME3011, SE3005, SK3117, 2N918-3600-3839
BFX74	BC161VI, BFX87, SK3024, 2N1131-2904-3133

BFX74A	BC161VI, BFX29, SK3025, 2N1132-2800-2837-2904A-3072
BFX77	BF173, BFY74, BSW61, BSX48-79, MPS6532, SK3117, 2N918-1986-2221-3933-4951-5144-5450
BFX82	2N4381
BFX83	2N4382
BFX84	BFW24, BSX46VI, BSY85, ME8002, SK3024, 2N1889/90-3056-3108-5320
BFX85	BFW33, BSX46VI, BSY86, ME8002, SK3024, 2N1890-2405-3057-3107
BFX86	BFY46-50, BSX32-73, BSY83, SK3024, 2N2195B-2218-3109-3507-3725-5189
BFX87	BC161VI, BFX74A, BSW21A, ME0401, SK3025, 2N2904/A-3468-4037-4890
BFX88	BC160VI, BFX74A, BSW21A, ME0402, SK3025, 2N2904-3467-4037-5042
BFX89	BF357, BFX20-62-73, BFY66, ME3011, MT1061, 2SC707, 2N2616-2857-918-3839, SE3005
BFX90	2N3930-4357-4930
BFX91	2N3931-4358, MM4002
BFX92	BCY59A, BSY77-93, ME4101, SK3122, 2N929
BFX92A	BCY65E, BSY93, ME4102, MM2483, 2N2483
BFX93	BCY59B, BSY77-93, ME4104, SK3122, 2N930
BFX93A	BCY65E, BSY78-93, ME4102, MM2484, 2N2484
BFX94	BFY34, BSW61-84, BSX73, ME6101, SK3024, 2N2221-3301-4951
BFX95	BFY46, BSW62-85, BSX74, ME6102, SK3024, 2N2222-3302-4952
BFX96	BFX97, BFY34, BSX73, BSW51, BSY53, ME6101, SK3024, 2N2218-3299
BFX97	BFY46, BSW52, BSX74, BSY54, ME6102, SK3024, 2N2219-3300
BFX98	BF111-119-178-257, MM3001, SE7017, 40412, 2N3114
BFX99	2N2060/B
BFY10	BC107, BFX45, BFY33-51-76, BSX48-75, BSY51, SK3018, TIS87, 40239, 2N840-929-1565-3693
BFY11	BC107, BFY27-33-51-77, BSX48, ME5001, SK3018, TIS87, 2N841-915-929/30-1566-3693
BFY12	BCY10, BSX73, SK3024, 2N2218A-2219/A, 2SC479
BFY12B	BFX95, BFY50-70, BSX49-73, ME4101, 40317, 2N2194-2217-2218A-2787
BFY12C	BFX55-96, BSW53-84, BSX74, ME4101, 40314, 2N2193-2218/A-2788
BFY12D	BFX97, BFY46, BSW54-85, BSX74, ME4101, 40459, 2N2192-2219/A-2789
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BFY13B	BC211, BFX68, BFY44, BSW10, BSY87, ME8003, 40348, 2N735-2218A-3567-3722-4945
BFY13C	BC211, BFX69, BFY44, BSW10, BSY87, ME8003, 40348, 2N736-2218A-3568-3725-4945

BFY13D BC211, BFX69A, BFY44, BSW10, BSY88, ME8003,
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BFY14 BF140, BFY43, SK3024
BFY14B BFR21, BSV64, BSY45-55, ME8002, 40367,
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BFY14C BFR21, BSV64, BSY45-55, ME8002, 40408,
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BFY14D BSV64, BSY45-56, ME8002, 40408, 2N740-3107-
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BFY15 BFY33-67, BSW19, SK3024, 2N697-930-2219
BFY16 BFY12, SK3024, 2N697-2219
BFY17 BFY12-39-54, BFX19-55, BSX72, BSW51, ME6001,
 SK3024, 2N918-708-2218/9-2222-3137-3261-
 3508-4148-4875
BFY18 BCY59, BFX19-75, BFY19-39-51-84, BSW41,
 BSX39-48-75, BSY93, SK3025, 2N708-918-2222-
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BFY19 BFX20, BC108A, BSW62, BSX38-48, BSY19-33-63,
 ME9001, MPS6542, SK3024, 2N708-753-930-
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BFY20 BF173, 2N2218-2640
BFY22 BC121/W-146R, BF224, BFY47R-87Y, SK3020,
 2SC475, 2N930
BFY23 BC121/Y-146R, BF224, BFY47Y-87Y/G, SK3020,
 2SC476, 2N930
BFY23A BC121G-146G/BN, BF224, BFY87W, 2SC476,
 SK3020
BFY24 BC121/W-146/R/GRT, BFY47R-87A, SK3020,
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BFY25 BFY28, BSY34, SK3122, 2N2219
BFY26 BFW66, BSW63-84, BSX49-79, BSY63, SK3122,
 2N708-2194-2219A-3253-3642-3903-3946-4140-
 5189
BFY27 BF167, BFY28-46, BSW63, ME6101, SK3024,
 2N718A-915-918-2222/a-2221-2788
BFY28 BSY34, SK3122, 2N2221
BFY29 BC123-146R, BFY49R, SK3020, 2N930
BFY30 BC130-146R, BFY49R, SK3020, 2N930
BFY33 BFX17-33, BFY67, BSX46-95, BSY44-53-92,
 ME6101, MPS3705, SK3122, 40451, 2SC479,
 2N697-1613-1984-3705-4046-5450
BFY34 BFR19, BFY68, BSX45-95, BSY11-44-54, ME6102,
 SK3024, 2SC479, 2N1613-2218A-2787
BFY37 BC107-108A, BFX31, BSX38-48-51, BSY70-93-95A,
 NKT12329, SK3019, 40454, 2SC907, 2N706A-
 835-2218-2222, ME9001
BFY39 BC107-182, BCY58, BFY27, BSY39, MPS6565,
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BFY39I BC107A-182, BFY39, BSW54A, BSX33-48-51A-54A,
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BFY39II BC107A/B, BFY39, BSW41, BSX33-39-45X-51A-
 54A, NKT10339, SE6001, 40398, 2N3705-4123-
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BFY39III BC107B/C, BFY39, BSW41, BSX45XVI-52A-54B,
MPS6532, SE6001, NKT10439, 40397, 2N3704-
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BFY40 BC140/VI, BFX96, BFY34-67, BF178, BSW51,
BSX45-73, BSY44-92, ME6102, SK3024,
2SC53-708, 2N1313-1613-2410-3053-3299-5189
BFY41 BC141/VI, BF111-140-257/8, BSW67, BSX46,
BSY45-55, ME8002, MM225B, 40349, 2N698-
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BFY42 BC107
BFY43 BF110-114-117-140-178-257/B, BFX98, BFY45,
BSW68, BSY56, ME8002, SK3045, 40346,
2SC154C, 2N3114-3500-3712-3923
BFY44 BFW59, BFX51, BFY12-50, BSW10, MEB003,
SFT443, SK3024, 40348, 2N2193-3444-3507-
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BFY45 BF178, BFS90, BFW36, BFY43-57-65, BSW66-68,
BSY56, ME8002, SE7002-7016, SK3045,
40346, 2SC857, 2N1893-1990-3114-3500
BFY46 BFY68, BSX45-96, BSY54-71, ME6102, SK3024,
2SC479, 2N1711-2219A-2789
BFY47 BC121, SK3018
BFY48 BC122, SK3018, 2N930
BFY49 SK3018, 2N930
BFY50 BFR18, BFY68A, BSX45VI-46, BSY46-85, ME6001,
SK3024, 40348, 2SC708, 2N2193-2222-2297-
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BFY51 BFX51-68A, BFR19, BSX45/X, BSY46-85, SK3024,
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BFY52 BFX52-72, BFY56, BSX33-45/XVI, BSY46,
ME8001, SK3024, 2SC708, 2N2195-2219-3053-
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BFY53 BFX52-72, BFY46-50-52, BSX46, ME8001, SK3024,
MM3724, 2N2195-3724A-3924-5023
BFY55 BFR18, BFX51-68A, BFY50, BSX45/VI, BSY46-83,
ME6001, SK3024, 40348, 2SC708, 2N2193-
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BFY56 BFR18, BFX50-68A, BFY50, BSX46-61, BSY83,
ME6001, SK3024, 40348, 2N2193-2297-3110-
3252-3444
BFY56A BFR18, BFX50-68A, BFY56A, M6001, SK3024,
40348, BSW65, 2N2193-2195-2297-3108-3110-
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BFY57 BF110-117-140, BFS50, BFX98, BFY41, BSW67,
BSY55, MEB002, SK3045, 40346, SE7002,
2N3114-3500-3923
BFY63 BFX62-89, BFY90, ME3011, SE3005, SK3122,
2N918-2616-3137-3478-3570-3600-3839
BFY64 BC327-360XVI, BSV15VI, BSW21A, ME0402,
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BFY65 BC141, BF177, BFR21, BFY14-41-43-45-80,
BSX46, BSY55/6, ME8002, SK3045, 2SC154,
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BFY66	BF180, BFX62-73-89, BFY56-63, ME3011, MPS918, SE3005, SK3024, 2N918-2616-3563
BFY67	BFR19, BFY34-57, BSX45/X, BSY44-52-53, ME6101, SE8002, SK3024, 2SC408A, 2N915-1613-3735
BFY67A	BFR19, BFY34, BSX45VI, BSY44-53, ME6101, SE6020, SK3024, 40347, 2SC708, 2N2219-2270-3053
BFY67C	BFX17, BSX45VI-49-74, BSY53, ME6101, SE8001, SK3024, 2SC708, 2N2219-3724-3866-4013
BFY68	BFR20, BFY46, BSX45/XVI, BSY54-71, ME6102, SK3024, 2N1711-2049-5321
BFY 68A	BFR20, BFY46, BSX45X, BSY54-71, ME6102, SK3024, SE6002, 2N2219-3947
BFY 69/A	BC122-146, SK3039, 2N706A
BFY 70	BC140, BFX95, BFY50, BSW10, BSX73, ME8003, SFT443, SK3024, 2N1613-2193/4-2217-2787-3724
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BFY74	BFW47, BFX55, BFY27, ME5001, MPS3826, SK3122, 2N915-2221-2483-2586-4994
BFY75	BC107A, BFW47, BFX55, BFY27, ME5001, MPS3826, SK3122, 2N915-2221-2222A-2483-2586-4994
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BFY79	BFY19, BSX48, ME9001, SE5001, SK3117, TIS84, 40482, 2N2708-3737-4134-4137-4874
BFY80	BFR21, BF177, BFY14-41-43, BSX21-46-46VI, BSY55/6, ME8002, SK3045, 2SC857, 2N719A-1893-699B-1490-1990/N-2643-2896-3036-5320
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BFY87	BC122-146, BF185, BFY19, 2N930-5181
BFY87A	BC122-146
BFY88	BF185, BFW17, BFX20-60-89, BFY19-90, BSX88A, FT129, SE5030B, 2SC707-890, 2N918-2616-3553-3600-3691-3866-3933-4876-5181
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BFY93	2N2920
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BLY16	SFT443A
BLY17	BLY16-72, SFT441A, 3TE120, 2N3772-4301-5008
BLY20	BDY15A, BLY16-74-81, SFT443A, 2N1208-3375-3632-4040-5083
BLY21	BDY16A, BLY16-74, SFT443A, 2N1212-3632-4040-5084
BLY22	BD137, BDY16B, BLY74-81, SFT440, 2N1208-3375-3632-4040-5085
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BRY28	2N1592
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BSV16X	BC327-361X, BFX74A, BSW21A, ME0401, 2N3485/6- 3644-3671-4030
BSV16XVI	BC327-361XVI, BFX74A, BSW22A, ME0402, 2N3644- 3486-3671-4032
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BSV28	ZTX341
BSV29	ZTX342
BSV33	ZTX510
BSV35	2N2369
BSV35A	2N708
BSV36	2N2475
BSV37	2N2894
BSV38/P	E111
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BSV51	BSX21
BSV52	BC122
BSV62	2N4393
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BSV89	BSW42-51-82, BSX19, BSY62, GI2926, ME9001, SE1010, 2N2616-3932-4252-4264
BSV90	BSW43-52-83, BSX20, BSY63, GI2926, ME9002, SE3001, 2N3600-3933-4253-4265
BSV91	BSW42-53-48, BSX19, BSY62, GI2926, ME9001, 2N2616-4996-5179-5224
BSV92	BSW43-54-79, BSX79, BSY63, GI2926, ME9002, SE4001, 2N3600-4997-5180-5222
BSW10	BC141VI, BF177, BFX34-84, BSX23-46, ME8002, SK3024, 2N699-1890-2102-2218A-2219A-3107- 3722-5320
BSW11	BSW13-59, SE3646, SK3122
BSW12	BSW13, BF 173, BSX69, BSY19-63, SK3122, 2N708- 914-3646
BSW13	BC146
BSW15	BFT81
BSW16	BFT80
BSW19	BC178, BCY71-78/VII, 40406, 2SA548, 2N2906- 3014-3504
BSW19VI	BFX48, BSW21A, BSY40-59, MPS6533, 2N3644- 4037-4059/60-5138
BSW19A	BFX48, BSW21A, BSY41-59, MPS6534, 2N3644-4037- 4059-4061-5138
BSW20	BC307
BSW20VI	BFX48, BSW44, BSY40-59, MPS6533, 2N3644-4037- 4059/60-5138

BSW20A **BFX48, BSW45, BSX41, BSY41-59, MPS6534,**
 2N3644-4037-4059-4061-5138
BSW21 **BC178, BCY72, SK3114, 2N2894-2906**
BSW22 **BC178, SK3114, 2N2907**
BSW22A **BCY79VIII, SK3114**
BSW23 **BSV16VI, BSX29, ME0401, SK3025, 2N2904-4037**
BSW24 **BSV16VI, BSX30, ME0401, SK3114, 2N2906-4037**
BSW25 **BFX12-29, BCY72, BSW19VI-81, ME8201,**
 2N2894A-3012
BSW26 **BFX17, BSW63, BSX45VI-59, ME8003, SK3024,**
 2N696-2194-2217-2221A-4047
BSW27 **BC341VI, BFX17, BSX46VI-59, BSY55, BSW65,**
 SK3024, 2N697-2193-4047
BSW28 **BC341VI, BSW65, BSX46VI-59, BSY55, SK3024,**
 2N731-2194-2218-4047
BSW29 **BC340VI, BFX17, BSX45VI-60, BSY53, SK3024,**
 2N2195-4046
BSW32 **BFR21, BFY45-80, BSW70, BSX21, BSY79, ME1120,**
 SK3045, 2N911-1889-1974-1990-5320-5830
BSW33 **BC147A-207, BCW33, BFW64, BFY46, BSW82,**
 BSX22-52A-53, SE6001, SK3122, 2SC641,
 2N916-1482-1711-3691-3933-4876
BSW34 **BC147A-207, BCW47, BFW68, BFY46, BSW84,**
 BSX23-52A-53, ME5001, SK3122, 2N1482-3693-
 3866-4014
BSW35 **BC147A-207, BCW46, BFX92A, BSW84, BSY44,**
 ME5001, SK3024, 40347, 2N929A-1890-2405-
 2483-3053-3946-4994
BSW36 **2N2905**
BSW37 **2N2894**
BSW38 **2N2369**
BSW41 **BFW64, BSX45VI-48-51A, BSY75-95, ME8001,**
 SE6001, SK3122, 2SC321, 2N916-2221-3693-
 3866-3933-4876
BSW42 **BC207-238A-317, BCY58A, BFY76, BSX24-38A-81,**
 GI3710, MPS3710, SE8040, SK3122, TIS86,
 40398, 2N929
BSW42A **BC237A, BCY59A, BFX92A, BSX54A, SE4020,**
 SK3122, TIS87, 40407, 2N929A
BSW43 **BC208-238B-318, BCY59C, BFY77, BSX54B, GI3711,**
 MPS3711, SE8040, SK3122, TIS86, 40397, 2N930
BSW43A **BC237B, BCY59C, BFX93A, BSX54B, SE4020,**
 SK3122, TIS87, 40407, 2N930A
BSW44 **BC205-308VI/A-321, BCY78A, BFX48-88, BSW20VI,**
 BSX40, MPS6519, SE8540, SK3114, 40406,
 2N3250-4059
BSW44A **BCY79A, BFX87, BFY64, BSW20A, BSX40,**
 SK3114, 40406, 2N3250A-3798-4354-5086
BSW45 **BC206-308B-322, BCY78C, BFW20, BFX29,**
 BSW20A, BSX41, MPS6522, SE8540, SK3114,
 40406, 2N3251-4059
BSW45A **BC327, BCY79C, BFW23, BFX30, BSW20A, BSX41,**
 SK3114, 40406, 2N3251A-3799-4355-5087

BSW50	BFY33-67, BSY44-53-63, 2N2217
BSW51	BFR19, BFY34, BSY34-44-53, 2SC479, 2N1613-2218
BSW52	BFR20, BFY34, BSY34-44-53, 2N1711-2219
BSW53	BFR19, BFY46, BSY34-54-71, 2SC479, 2N1613-2218/A
BSW54	BFR20, BFY46, BSY34-54-71, 2N1711-2219/A
BSW58	BSX72, BSY63, 2N2369
BSW59	BSX72, BSY62, 2N2222-2369
BSW61	BFR18, BFX55, BFY34, BSX49, BSY44-53, 2N1613-2221
BSW62	BFR20, BFX55, BFY34, BSX49, BSY44-53, 2N1711-2222
BSW63/4	BFR18, BFX55, BFY46, BSX49, BSY54-71, 2N1613-2221
BSW65	BFX61, BSW10, BSY47-63VI, SE6021, SK3024, 2N2243A-1715-2405-3019-3725-4000-4236
BSW66	BSX46, SK3024, 2N1716-2405-2988-3019-3498-3712-4001-5338
BSW67	MPSU03, 2N2008-3140-3712-4001
BSW68	2N3400-3500-3712-4929
BSW69	BF119-178, BFW44, BFY45, SE7001, SK3044, TIS101, 40354, 2N3114-3712-4925
BSW70	BC177, BF117-177, BFX98, BSW32, SK3045, 2N870-910-1990-4410-5185
BSW72	BC327XVI, BSV15VI, BSX36, ME0401, SK3114, 40406, 2N721-2906-2837-3135-5447
BSW73	BC327, BSV15X, BSX36, ME0401, SK3114, 40406, 2N722-2838-2907-3136-5448
BSW74	BC327XVI, BFX41, BSV16VI, ME0401, SK3114, 2N2906/A-4027-4031-5322
BSW75	BC327, BFX40, BSV16X, ME0402, SK3114, 2N2907/A-4029-4033-5322
BSW78	BSX88, BSY19-63, ME9001, NKT13329, 2N2368-3210
BSW79	BSX87, BSY19-63, ME9001, NKT13429, 2N2369-3211
BSW80	BSX87A, BSY19-63, ME9001, NKT13429, 2N914-2369-3013-3211-3648
BSW81	BFX12, BSW19VI, BSX29, ME8201, 2N2894A-3546-5055-5292
BSW82	BSW41-61, BSX39-48-72, BSY51, ME6001, MPS3706, NKT10339, SK3122, 2N1986-2221-3261-5451
BSW83	BSW41-61, BSX48/9-72-88A, BSY52, ME6002, MPS3706, NKT10439, SK3122, 2N1987-2222-3261-3706
BSW84	BSW10, BSX33-49-63VI-70, BSY53, ME6101, SK3122, 2N2221/A-2193-2790
BSW85	BFX68, BSW10, BSX49-63X-71, BSY54, ME8003, SK3122, 2N2192/A-2222/A-2791
BSW88	BC167A, BSW33, SK3122, 2N3692
BSW88A	BC168A-183A-208B, BFY39, BSX51A-69, MPS6574, NKT10419, SE8040, 40398, 2N3566
BSW88B	BC168B-183B-208C, BFY39, BSX52A-67, MPS6574, NKT10519, SE8040, 40397, 2N3566

BSW89	BC167A, BSW33, SK3122, 2N3692
BSW89A	BC183A-208B-238A, BFY39, BSX51A-69-81, MPS6574, NKT10419, SE8040, 40398, 2N3566
BSW89B	BC183B-208C-238B, BFY39, BSW88B, BSX52A-81, MPS6574, NKT10519, SE8040, 40397, 2N3566
BSW93	2N5023
BSW96	2N2193A
BSW97	2N2906
BSW98	2N2193
BSW99	2N2904
BSX12	BSX48-72, BSY58-81, SK3039, 2N3303
BSX19	BSX48-75-92, BSY81, ME6001, NKT13329, SK3122, 2SC689, 2N2368-3210-3648-4138
BSX20	BSX48-75-93, BSY19-82, ME6002, NKT13429, SK3122, 2SC689, 2N2369-3211-3648-4138
BSX21	BFS47, BFW23-45, BFY45-80, BSY79, ME1120, SK3045, 2SC857, 2N698-719-1893-1990-5184
BSX22	BC140, BFX96, BFY50, BSW10-26-29, BSX45-60- 62VI-72, SK3024, 2N1613-2195-2270-3252- 3724-3734-4046-4231
BSX23	BC141, BFR21, BFT39, BFX34, BSW10-26-35, BSX62-63VI, BSY46, SK3024, 2N1480-1613- 2896-3019-3036-3056A-3262-3725
BSX24	BC107/A-168A, BCY56-58-59, BFX48, BSW27-41, BSX38/A-51/A-69-81, MPS834, NKT10339, SK3122, 2SC707, 2N834-2221-3692-3933-4876
BSX25	BCY59, BSW41-82, BSX19-22-24-39-48-51A-75, ME6001, SK3122, 2N930-956-2222-2368-3014- 4123-4137-4427-4876
BSX26	BSX20-48-75, BSY19-63-82, ME6002, SK3039, 40405, 2N708-914-2368/9-3013-3210
BSX27	BFW30, BFY66, BSX20, BSY17, BSW80, ME3001, SK3039, 2N709-918-2368/9-2475-3010-3493- 5186
BSX28	BFY90, BSW80, BSX20, BSY63, ME8101, SE3001, SK3039, NKT16229, 2N918-2368/9-3011-3563- 4274
BSX29	BCY78, BFX12, BSW19/VI-81, BSY41, ME8201, TIS53, 2N2894-2906-3012-4258-4313
BSX30	BFY34-67, BSY44-53, ME6102, SK3122, 2N2410- 2537-2846-3015-3053-3299-3641
BSX31	2N110
BSX32	BFY34-67, BSW85, BSY34-44-53, ME6102, 2N718- 731-2218-2221-2476-2868-3725
BSX33	BFY46-68, BSY54-71, ME8003, SK3024, 2N718A- 735-2193-2218A-2221A-3110
BSX35	BFX12, BSW19VI-81, BSX20, ME8201, SK3039, 2N2894A-2906-3304-3639-4207
BSX36	BC360VI, BFX29, BSV15VI, BSW21A-41, BSY59, ME0401, MPS6533, NKT20339, SK3114, 2N2906/7-3644-5042
BSX38	BC107B, BCY58/VI/VII, BSX24-51, BSY19, SK3122, 2SC907, 2N708-2222

BSX38A	BC168A-183A-208A, BFY39, BSW88A, BSX38A-51A-69, MPS6574, NKT10419, SE1001, 40398, 2N3566
BSX38B	BC168B-183B-208B, BFY39, BSW67-88B, BSX52A MPS6574, NKT10519, SE1001, 40397, 2N3566
BSX39	BSX20-48-75-97, BSY82, ME6001, NKT10339, SK3122, 2N708-2710-3014-3705-4013-5450
BSX40	BC139-160, BCY78A, BFX48-88, BSV15VI, BSW21A, BSY59, ME0401, SE8540, SK3025, 40406, 2SA537, 2N2904-3120-3644-4402
BSX41	BC100-139-160, BCY78B, BFX48-88, BSW22A, BSV15XVI, ME0402, SE8540, SK3025, 2N3121-3644-4403
BSX44	BSX12, BSY17-20-38-70, ME8101, 2N709-744-1708-2205-3013-5128-5186
BSX45	BFT41, BFY55, BSX22, BSY46, SK3024, 2N2218A-2297-3252-4231
BSX45VI/X	BC140VI-211, BFR18, BSX95, 40348, 2N2194A-2297-2788-3110-3444-4400
BSX45XVI	BC140XVI, BFR18, BSX96, 40348, 2N2192A-2219A-2789-3109-4401
BSX46	BFT40, BSV64, SK3024, 2N3252
BSX46VI	BC141VI, BFR21, BSY55, ME8002, 40360, 2N870-912-1975-2890-3108
BSX46X	BC141X, BFR21, BSY55, ME8003, 40360, 2N871-911-1974-2891-3108
BSX46XVI	BC141XVI, BFR21, BSY56, 40360, 2N910-1973-3019-3107
BSX47	BFR21, BFT39, BSY45-55, 40360, 2N1893-3020-3419-4239
BSX48	BFY67C, BSV64, BSX73, BSY51-53, ME6001, MPS3705, SK3122, 2N2221/2-3705-3736-3866-4013-5450
BSX49	BFX17, BFY67A, BSX74, BSY52-54, ME6002, SK3122, 2N2194-2222/A-2224-2270-2868-3053-4013
BSX51	BCY58/VIII/A, BFY76, BSW62, BSX38-53A-69-81A, SE1001, SK3122, TIS86, 40398, 2N697-929-2222-3710
BSX51A	BC107A, BCY59A, BSX54A, SE4020, SFT714A, SK3122, TIS87, 40407, 2N929A-2222
BSX52	BCY58/VIII/B, BFY77, BSX53B-67-79, SE1001, SK3122, TIS86, 40397, 2N930-1420-2222-3711-
BSX52A	BC107B, BCY59B, BFX93A, BSX54B, SE4020, SK3122, TIS87, 40407, 2N330A-929A-2222A
BSX53	BCY58/VIII, BSX51, SK3122, 2SC907, 2N1613-2222
BSX53A	BC208A, BCY58A, BSX51, SE1001, TIS86, 40398
BSX53B	BC208B, BCY58B, BSX52, SE1001, TIS86, 40397, 2N930-3711
BSX54	BC107A, BCY59, SK3122, 2N2222/A
BSX54A	BC208A, BCY59A, BSX51A, SE1001, TIS86, 40398, 2N929-3710

BSX54B	BC208B, BCY59B, BSX52A, SE1001, TIS86, 40397, 2N930-3711
BSX59	BFX69, BFY99, BSX45, 2SC479, 2N2218A-2787-3252-3444-3553-3725-3735-5262
BSX60/I	BFX69A, BFY99, BSX45, SK3024, 2SC479, 2N2219A-2444-2787-3444-3553-3735-5262
BSX62	BFX34, BFY51, BSW65, SK3024, 2N1889
BSX62VI	BFW47, BFX17, BSX23, 40348, 2N2194A-2788-2831-2890-3506-3735-3831-5531
BSX62X	BFW47, BFX69, 40348, 2N2193A-2788-2891-3506-3553-3735-5531
BSX62XVI	BFW47, BFX68, 40348, 2N2192A-2789-2891-3506-3553-3735-5531
BSX63	BFX34, BSW65, SK3024, 2N1893
BSX63VI	BFY69A, BSX23, 40348- 2N2890-3109-3507-3553-3830-5531
BSX63X	BFY68A, 40348, 2N2891-3109-3507-3553-5531
BSX67	BC108A, BCY58/A, BF154, BSX38A-51-69, SK3122, 2N743-2708-3691-3709-4874-5135
BSX68	BC148-168A-238A, BFY39, BSW88A, SK3122, 2SC641, 2N2708-2884-3691-4874-5135
BSX69	BC148-169A-239A, BFY39, BSX54A, BSW42, SK3122, 2N2708-2884-3692-4124-4874
BSX70	BFY34, BSX33, BSY44-53, SK3024, 2N718A-1613-2195A-2297-2790-3253-3735-3831
BSX71	BFY46, BSX33, BSY54, SK3024, 2N1711-2195A-2222-2297-2791-3252-3727-3831
BSX72	BC140, BFX96, BSX48-70, BSY51-58-81, MM8001, MM3724, SK3024, 2SC479, 2N2195-2219-3724/A
BSX73	BFX96, BFY34, BSW51-84, 2N2218-2410-2537-3299
BSX74	BFX97, BFY46, BSW52-85, 2N2219-2538-3300
BSX75	BC140, BSW41-61-82, BSX20-48, BSY51, MM3724, SK3122, 2N2195-2222-3704/A-4013
BSX76	BC238A, BSW88A, BSX51, BSY62-71, SK3122, 2N835-2369-3014-3298-3394-4124-5136
BSX77	BC237A, BSX26-51A, BSY63-76, SK3122, 2N2369-2601-3014-3227-3566-4072-4137
BSX78	BC237B, BSX26-51A-79, BSY75, SK3122, 2N2369-3014-2501-3227-3566-4072-4137
BSX79	BC237A, BCY59VII, BSX51A, BFX17, BSY74, SK3122, 2N1983-2219-2222-2846-3261-3705-3946
BSX80	BFX45-89, BSX28-68- BSY19-53-63, NKT13429, SK3122, 2SC641, 2N708-2708-3011-3691
BSX81	BC148A-183A-208A-238A, BCY58, BFX45, BSW33-88, BSY74, MPS6574, NKT10419, SE1001, SK3122, 2N718-2410-3565
BSX87	BFX60, BSX20-75, BSY81, ME6002, NKT13329, SK3122, 2N914-3009-3210-3646-4427
BSX87A	BFX60, BSX19-72, BSY80, ME6001, NKT13429, SK3039, 2N708-914-3013-3211-3647-4427
BSX88/A	BSY19-63, NKT13329, SK3039, 2N708-3013-3211-3648-4427
BSX89	BSY21-62, SK3122, 2N706A-2369A-3303-3426-4138

BSX90 BFY66, BSY17-38, NKT13329, SK3122, 2N743-3011-5187
BSX91 BFY66, BSY18-39, NKT13329, SK3122, 2N744-918-3011-5187
BSX92 BSX19-48-72, BSY81, ME6001, NKT 329, SK3039, 2N914-2368-3009-3210-3646
BSX93 BSX20-48-75, BSY82, ME6002, NKT13429, SK3039, 2N914-2369-3013-3211-3647
BSX94 BFX12, BSW19VI-81, ME8201, 2N2894A-3304-3639-4207-4257-5140/1
BSX95 BSX33-45/VI, BSY44-53, ME6001, SK3024, 2SC479, 2N698-2195A-2297-2790-3253-3831
BSX96 BSX33-45/XVI, BSY54-71, ME8003, SK3024, 2SC479, 2N699-2195A-2297-2790-3252-3735-3831
BSX97 BFX60-96, BSX20-48, BSY51-81-91, ME6001, MM3724, SK3122, 2N2195-2218-3724A
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BSY11 BC140VI, BCY59/VII-66, BFX92, BSY44, ME4102, SK3020, 40240, 2N736-929-2218-2222-2484-3693
BSY17 BSX90, BSY19-21-38-70-95, NKT13329, SK3122, 2SC321, 2N743-914-2368-3011-5187
BSY18 BCY16-70, BSX20-91, BSY21-39-95A, NKT13329, SK3122, 2N744-2368-3011-5187, 2SC321
BSY19 BSX20-88, BSY63, SK3122, 2SC321, 2N708-2242-4427-4873
BSY20 BSX68-80-89, BSY18-62-70-73, MPS6579, SK3122, 2N706/A/B-3572-4264-5187
BSY21 BSX20-87, BSY10-19-63, SK3122, 40405, 2N914-3013-3210-3648
BSY22 BF115, BFY39-74, BSX38, BSY63, MPS916, SK3039, 2N708-916-3014-3933-4427-4876
BSY23 BFY39, BSX38, BSY22-63, MPS834, SK3039, 2N708-834-2368-3014-3932
BSY24 BSX19-48-62-72, BSY81-91, ME6001, 2N2218/9-2368-3508-3724A-3866-4046
BSY25 BSX20-48-62-72-75, BSY26-46-58-82, ME6002, SK3024, 2N2218/9-2369-3508-3724A-3866-4046
BSY26/7 BFY66, BSY17/8/9-38/9-95, ME9001, NKT13329, SK3122, 2N706A-708-743-914-3011-5187
BSY28 BFY90, BSW78, BSX91, BSY17-19-21-61, ME9002, NKT13329, SK3122, 2N708-743-914-2369-3011-4264-5128-5187
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BSY32 BFY66, BSX70-91, BSY17-21-29-38-95, ME9001, NKT13329, 2N743-3011-5187
BSY33 BFY66, BSX70-91, BSY18-21-29-39-95A, ME9001, NKT13329, 2N744-3011-5187
BSY34 BFX69, BFY44, BSW53, BSX61-73, BSY44, SK3122, 2SC479, 2N1613-2218/A-2219A-2410-3252-3724

BSY36 BFY90, BSX91, BSY17/8-21-38/9-70-95A, ME9001
 NKT13329, 2N708-743/4-3011
BSY37/8 BFY90, BSX91, BSY17-21-38-70-95, ME9001,
 NKT13329, 2N708-743-3011-5187, SK3122
BSY39 BFY66, BSX91, BSY17/8/9-21-95, ME9001,
 NKT13329, 2N708-744-3011-5187
BSY40/1 BCY78, BFX48, BSW19VI-21A, BSX40, BSY59,
 SK3114, 40406, 2SA548, 2N2297-2411-2894-
 3638-3829-4126-5040-5138
BSY42/3 BFX73, BFY12, 2N2219
BSY44 BFX69, BFY34-53-67, BSX45-95, BSY53, ME6002,
 SK3024, 2SC708A, 2N1613-3678-3735-5321
BSY45 BC141VI, BFR21, BSX45-47, BSY55, ME8002,
 SK3024, 2SC708A, 2N739-1893-2243A-2405-
 3565
BSY46 BFY44-55, BSX39-45-46/VI, BSY84, ME8003,
 SK3024, 2SC708A, 2N1613-1893-2193-2297-
 3108-3507-3722
BSY47/8/50 BSY20-62-70, 2N706A
BSY51 BFX55, BFY34, BSX45/VI-60-73-95, BSY51,
 SK3024, 2SC479, 2N697-2410-3015-3299
BSY52 BFX55, BFY34-56, BSX45/X-74-96, SK3024,
 2SC479, 2N1420-1711-2219-2538-3053-3301
BSY53 BFX69, BFY34-67, BSX45-46VI, BSY44, SK3024,
 2SC479, 2N1613-2788-3678-3735-5262
BSY54 BFX68, BFY46-68, BSX45-46X-47, BSY71, BFR21,
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BSY55 BFR21, BFY14C, BSX46VI-47, BSY45, ME8002,
 SK3024, 2N1893-2102-2243A-2895-3498-3566
BSY56 BFR21, BFY14D, BSX46X-47, BSY55, ME8002,
 SK3024, 2N739-1890-1893-2102-2243A-3565
BSY58 BFX17, BFY44, BSX73-95, BSY51, SK3122,
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BSY59 BC328, BFX48-88, BSV15VI, BSX40, BSW44A,
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BSY61 BC238A, BSX27, BSY19-21, ME9002, SK3122,
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BSY63 BSX20-88, BSY19, ME9001, SK3122, 2SC321,
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BSY68 BF111, BFS47, BSV64, BSW10, BFY65, BSY55,
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BSY70 BSX24-48-76-87, BSY19-62, ME9002, MPS706,
 SK3039, 2SC321, 2N706-753-2205-3563-3839
BSY71 BFY46-68, BSX45/XVI, BSY54, ME6102, SK3024,
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BSY72 BC108/A-130A-139-182A-183-207A, BCY58VII,
 BSY19-63, ME9002, MPS6520, SK3019, 2SC648,
 NKT13429, BSX5-28, 2N930-2330-2708-3014-
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BSY73 BC108/A-130A-182A-183-207A, BCY58VII, BSX29-
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 SK3019, 2SC907, 2N2221-2331-2708-3014-3932-
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BSY74 BC108/A-130A-182A-183-207A, BCY58VIII,
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 SK3019, 2SC907, MPS6520, 2N929-2331-2708-
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BSY75 BC107-182, BCY59VII, BFX51A-79, BFY33-68,
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 SK3122, 2SC907, 2N834-2221/2-3691-3933-4876

BSY76 BC107-182, BCY59VII, BFY12C-68, BSX29-45-48-
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BSY79 BFX98, BFY45-65-80-90, BSX21-45, BSY68,
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BSY80 BC108A-109-130C-184-209, BCY58VIII, BFX89,
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BSY83 BFY55, BSX32-45VI, BSY40-46, ME6101, SK3024,
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BSY85 BFR21, BSX46VI, BSY46-55, ME8002, SK3024,
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BSY86 BFR21, BSX46X, BSY56, ME8002, SK3024,
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BSY88 BC141X, BFY14D, BSX39-46X, BSY56, ME8002,
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CV7630	2N2696
CV7631	2N2904
CV7632	ZT92
CV7633	ZT92
CV7637	D1003
CV7638	D1004
CV7639	ZT90
CV7644	ZT89
CV7647	2S322
CV7648	BSY95A
CV7750	ZT81
CV7751	ZT181
CV7752	ZT82
CV7753	ZT182
CV7754	ZT87
CV7755	ZT187

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CV7764	2N2219
CV7765	2N2218A
CV7766	2N2219A
CV7767	2N2221
CV7768	2N2222
CV7769	2N2221A
CV7770	2N2222A
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CV7779	ZT7400
CV7832	VX9260
CV7837	2N2894
CV7854	2N3055
CV7855	2N3821
CV7856	2N3822
CV7857	2N3823
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CV7867	BDY52
CV7868	BFX18
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CV7871	BFX21
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CV7873	ZT800
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CV8276	2xV30/30P
CV8288	TK13
CV8322	SG220
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CV8358	MA393
CV8359	2G306
CV8380	ZT23
CV8361	2G104
CV8368	2G221
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CV8373	2S108
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CV8393	2S301
CV8400	2G220
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CV8415	DT1111
CV8416	DT1112
CV8424	DT4111
CV8442	SAC40
CV8451	2S019
CV8453	2S002
CV8455	2S003
CV8473	2x2S324
CV8500	2S321
CV8562	TS774

CV8582	GT4Z
CV8611	2S024
CV8612	2S323
CV8613	2S712
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CV8649	ZT86
CV8673	2G227
CV8677	2N2270
CV8686	2xNKT401
CV8696	2S711
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CV8722	2S306
CV8762	2S322
CV8781	2S020
CV8782	2S026
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CV8789	2x2N458A
CV8792	CTP1109
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CV8887	2x2S017
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CV9217	MM1614
CV9218	40251
CV9220	SA56
CV9243	40110
CV9249	2G401
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CV9347	SE3001

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CV9415	2G302
CV9449	2x2N3858
CV9490	T13028
CV9505	T2039
CV9506	T2775
CV9516	ZT211
CV9525	T2040
CV9530	2xT2040
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CV9539	40250
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CV9603	2N2892
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CV9626	MM1613
CV9627	MM2613
CV9629	V405
CV9760	ZT1483
CV9761	ZT1484
CV9762	ZT1485
CV9763	ZT1486
CV9823	CTP1500
CV9861	ZT1479
CV9862	ZT1480
CV9863	ZT1481
CV9864	ZT1482
CV9865	ZT1487
CV9866	ZT1488
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CV9868	ZT1490
CV9868	ZT87
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CV10396	2S502
CV10397	SAC44
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CV10718	OC36
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OC79 AC123-125/6-151V/V-152-184, ACY24, BC260A, BCW86, NKT302, SK3004, 2N398-1998-2387-2431-2837-5151
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SDT1960	2N4051-4052-4053
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SE4010	BC108B-114-131-173C-183-184C-209C-239C, GI3708, ME4010, MPS6576, NKT10519, SK3020, TIS97, 2N2708
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SE5024	BF127-167-225-310, MPS6570, NKT35219, SK3018, TIS108, 2N3338-3689
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