

Item	Quantity	Part Reference
1	0	ACC1
2	0	ACC2
3	1	ACC3
4	30	C3,C101,C156,C176,C288,C289,C290,C301,C302,C303,C323,C341,C
5	47	C8,C9,C10,C17,C86,C96,C102,C115,C127,C140,C154,C171,C172,C19
6	5	C18,C19,C549,C550,C555
7	9	C26,C27,C28,C29,C55,C56,C83,C92,C563
8	37	C30,C33,C34,C41,C42,C43,C45,C47,C49,C59,C78,C80,C84,C91,C95,C
9	20	C31,C44,C46,C48,C50,C121,C185,C187,C189,C199,C201,C236,C242
10	36	C32,C37,C38,C53,C54,C57,C58,C64,C65,C66,C67,C68,C69,C70,C93,C
11	0	C35,C104,C105,C122,C238,C295,C296,C348,C349
12	0	C60,C61,C62,C63,C71,C72,C73,C79,C81,C82,C85,C87,C90,C94
13	4	C88,C97,C210,C211
14	4	C89,C137,C138,C204
15	96	C103,C132,C173,C174,C214,C215,C252,C253,C256,C257,C258,C259
16	2	C110,C114
17	0	C112,C131,C314,C370
18	18	C120,C128,C141,C157,C158,C159,C162,C163,C164,C165,C169,C177
19	2	C124,C125
20	14	C129,C134,C155,C278,C281,C291,C293,C306,C307,C325,C372,C377
21	8	C133,C170,C183,C228,C232,C312,C338,C409
22	2	C135,C136
23	26	C175,C484,C485,C486,C487,C488,C489,C490,C491,C492,C493,C519
24	2	C205,C207
25	24	C212,C213,C216,C217,C218,C219,C220,C221,C222,C223,C224,C225
26	0	C297,C299,C300,C425,C427,C428,C429,C430,C431,C432,C433,C434
27	0	C466,C467
28	25	C481,C496,C497,C498,C501,C509,C510,C511,C512,C513,C514,C516
29	20	C482,C483,C494,C495,C499,C500,C502,C504,C507,C508,C517,C518
30	2	C503,C506
31	6	C505,C551,C557,C558,C559,C566
32	1	D1
33	1	D2
34	0	FID1
35	0	FID2
36	0	FID3
37	0	FID4
38	0	FID5
39	0	FID6
40	20	FL1,FL3,FL4,FL5,FL6,FL9,FL11,FL12,FL13,FL14,FL15,FL16,FL18,FL19,F

41	9	FL2,FL7,FL8,FL10,FL17,FL22,FL23,FL24,FL25
42	3	J1,J2,J5
43	0	J6,J7,J8,J9,J10,J11,J12,J13,J14,J15,J16,J17,J18,J21,J22,J25,J27,J29
44	1	J28
45	2	J3,J4
46	4	L1,L2,L5,L10
47	6	L3,L4,L6,L7,L8,L9
48	1	L11
49	3	LBL1,LBL2,LBL3
50	1	LD1
51	0	LOGO1
52	0	LOGO2
53	0	LOGO3
54	0	LOGO4
55	0	LOGO5
56	1	PCB1
57	41	R1,R3,R10,R46,R50,R73,R86,R95,R96,R126,R128,R130,R131,R134,R135,R136,R137,R138,R139,R140,R141,R142,R143,R144,R145,R146,R147,R148,R149,R150,R151,R152,R153,R154,R155,R156,R157,R158,R159,R160,R161,R162,R163,R164,R165,R166,R167,R168,R169,R170,R171,R172,R173,R174,R175,R176,R177,R178,R179,R180,R181,R182,R183,R184,R185,R186,R187,R188,R189,R190,R191,R192,R193,R194,R195,R196,R197,R198,R199,R200,R201,R202,R203,R204,R205,R206,R207,R208,R209,R210,R211,R212,R213,R214,R215,R216,R217,R218,R219,R220,R221,R222,R223,R224,R225,R226,R227,R228,R229,R230,R231,R232,R233,R234,R235,R236,R237,R238,R239,R240,R241,R242,R243,R244,R245,R246,R247,R248,R249,R250,R251,R252,R253,R254,R255,R256,R257,R258,R259,R260,R261,R262,R263,R264,R265,R266,R267,R268,R269,R270,R271,R272,R273,R274,R275,R276,R277,R278,R279,R280,R281,R282,R283,R284,R285,R286,R287,R288,R289,R290,R291,R292,R293,R294,R295,R296,R297,R298,R299,R300,R301,R302,R303,R304,R305,R306,R307,R308,R309,R310,R311,R312,R313,R314,R315,R316,R317,R318,R319,R320,R321,R322,R323,R324,R325,R326,R327,R328,R329,R330,R331,R332,R333,R334,R335,R336,R337,R338,R339,R340,R341,R342,R343,R344,R345,R346,R347,R348,R349,R350,R351,R352,R353,R354,R355,R356,R357,R358,R359,R360,R361,R362,R363,R364,R365,R366,R367,R368,R369,R370,R371,R372,R373,R374,R375,R376,R377,R378,R379,R380,R381,R382,R383,R384,R385,R386,R387,R388,R389,R390,R391,R392,R393,R394,R395,R396,R397,R398,R399,R400,R401,R402,R403,R404,R405,R406,R407,R408,R409,R410,R411,R412,R413,R414,R415,R416,R417,R418,R419,R420,R421,R422,R423,R424,R425,R426,R427,R428,R429,R430,R431,R432,R433,R434,R435,R436,R437,R438,R439,R440,R441,R442,R443,R444,R445,R446,R447,R448,R449,R450,R451,R452,R453,R454,R455,R456,R457,R458,R459,R460,R461,R462,R463,R464,R465,R466,R467,R468,R469,R470,R471,R472,R473,R474,R475,R476,R477,R478,R479,R480,R481,R482,R483,R484,R485,R486,R487,R488,R489,R490,R491,R492,R493,R494,R495,R496,R497,R498,R499,R500,R501,R502,R503,R504,R505,R506,R507,R508,R509,R510,R511,R512,R513,R514,R515,R516,R517,R518,R519,R520,R521,R522,R523,R524,R525,R526,R527,R528,R529,R530,R531,R532,R533,R534,R535,R536,R537,R538,R539,R540,R541,R542,R543,R544,R545,R546,R547,R548,R549,R550,R551,R552,R553,R554,R555,R556,R557,R558,R559,R560,R561,R562,R563,R564,R565,R566,R567,R568,R569,R570,R571,R572,R573,R574,R575,R576,R577,R578,R579,R580,R581,R582,R583,R584,R585,R586,R587,R588,R589,R590,R591,R592,R593,R594,R595,R596,R597,R598,R599,R600,R601,R602,R603,R604,R605,R606,R607,R608,R609,R610,R611,R612,R613,R614,R615,R616,R617,R618,R619,R620,R621,R622,R623,R624,R625,R626,R627,R628,R629,R630,R631,R632,R633,R634,R635,R636,R637,R638,R639,R640,R641,R642,R643,R644,R645,R646,R647,R648,R649,R650,R651,R652,R653,R654,R655,R656,R657,R658,R659,R660,R661,R662,R663,R664,R665,R666,R667,R668,R669,R670,R671,R672,R673,R674,R675,R676,R677,R678,R679,R680,R681,R682,R683,R684,R685,R686,R687,R688,R689,R690,R691,R692,R693,R694,R695,R696,R697,R698,R699,R700,R701,R702,R703,R704,R705,R706,R707,R708,R709,R710,R711,R712,R713,R714,R715,R716,R717,R718,R719,R720,R721,R722,R723,R724,R725,R726,R727,R728,R729,R730,R731,R732,R733,R734,R735,R736,R737,R738,R739,R740,R741,R742,R743,R744,R745,R746,R747,R748,R749,R750,R751,R752,R753,R754,R755,R756,R757,R758,R759,R760,R761,R762,R763,R764,R765,R766,R767,R768,R769,R770,R771,R772,R773,R774,R775,R776,R777,R778,R779,R780,R781,R782,R783,R784,R785,R786,R787,R788,R789,R790,R791,R792,R793,R794,R795,R796,R797,R798,R799,R800,R801,R802,R803,R804,R805,R806,R807,R808,R809,R810,R811,R812,R813,R814,R815,R816,R817,R818,R819,R820,R821,R822,R823,R824,R825,R826,R827,R828,R829,R830,R831,R832,R833,R834,R835,R836,R837,R838,R839,R840,R841,R842,R843,R844,R845,R846,R847,R848,R849,R850,R851,R852,R853,R854,R855,R856,R857,R858,R859,R860,R861,R862,R863,R864,R865,R866,R867,R868,R869,R870,R871,R872,R873,R874,R875,R876,R877,R878,R879,R880,R881,R882,R883,R884,R885,R886,R887,R888,R889,R890,R891,R892,R893,R894,R895,R896,R897,R898,R899,R900,R901,R902,R903,R904,R905,R906,R907,R908,R909,R910,R911,R912,R913,R914,R915,R916,R917,R918,R919,R920,R921,R922,R923,R924,R925,R926,R927,R928,R929,R930,R931,R932,R933,R934,R935,R936,R937,R938,R939,R940,R941,R942,R943,R944,R945,R946,R947,R948,R949,R950,R951,R952,R953,R954,R955,R956,R957,R958,R959,R960,R961,R962,R963,R964,R965,R966,R967,R968,R969,R970,R971,R972,R973,R974,R975,R976,R977,R978,R979,R980,R981,R982,R983,R984,R985,R986,R987,R988,R989,R990,R991,R992,R993,R994,R995,R996,R997,R998,R999,R1000,R1001,R1002,R1003,R1004,R1005,R1006,R1007,R1008,R1009,R1010,R1011,R1012,R1013,R1014,R1015

90	0	TP2,TP45,TP70,TP71,TP72,TP73,TP74,TP75,TP76,TP77,TP125,TP126
91	0	TP46,TP47,TP48,TP49,TP50,TP51,TP52,TP53,TP54,TP55,TP56,TP57,
92	2	TP68,TP69
93	0	TP78,TP79,TP80,TP81,TP82,TP83,TP85,TP86
94	0	TP88,TP89,TP90,TP91
95	0	TP92,TP93,TP95,TP96,TP97
96	0	TP111,TP128,TP129,TP130,TP131,TP132,TP133,TP134,TP136,TP137
97	2	U1,U20
98	1	U11
99	1	U3
100	2	U6,U22
101	2	U7,U106
102	1	U10
103	1	U12
104	1	U15
105	1	U16
106	3	U18,U19,U104
107	1	U21
108	1	U23
109	1	U24
110	1	U25
111	1	U27
112	1	U28
113	1	U29
114	1	U30
115	1	U98
116	1	U101
117	1	U102
118	1	U103
119	1	U105
120	1	U107
121	1	U9
122	1	Y1
123	1	Y2
124	1	Y3
125	1	Y6

Value	Description
DNI	DNI
DNI	
374424B00035G	HEATSINK BGA W/ADHESIVE TAPE
0.01uF	CAP CERAMIC 0.01uF 50V 10% X7R 0402
0.1uF	CAP CERAMIC 0.1uF 16V 5% X7R AUTO 0402
1uF	CAP CERAMIC 1uF 25V 10% X7R 0603
47uF	CAP CERAMIC 47uF 4V 20% X7T 1206
10uF	PASSIVE FILTER EMI 10uF 4V AUTO 0603
22uF	CAP CERAMIC 22uF 6.3V 20% X7T AUTO 0805
1uF	PASSIVE FILTER EMI 1uF 4V AUTO 0402
DNI	DNI
DNI	DNI
22uF	CAP CERAMIC 22uF 10V 20% X7R 1206
220pF	CAP CERAMIC 220pF 10V 5% C0G(NP0) 0402
0.1uF	CAP CERAMIC 0.1uF 6.3V 10% X7S AUTO 0201
10pF	CAP CERAMIC 10pF 50V 5% HI-Q C0G(NP0) 0402
DNI	DNI
0.47uF	CAP CERAMIC 0.47uF 10V 10% X7S AUTO 0402
18pF	CAP CERAMIC 18pF 50V 5% C0G(NP0) 0402
1uF	CAP CERAMIC 1uF 10V 10% X7S AUTO 0402
10uF	CAP CERAMIC 10uF 16V 20% X6S 0603
12pF	CAP CERAMIC 12pF 50V 5% C0G(NP0) 0402
10uF	CAP CERAMIC 10uF 10V 10% X7R AUTO 0805
4.7uF	CAP CERAMIC 4.7uF 6.3V 20% X6S 0402
0.22uF	CAP CERAMIC 0.22uF 6.3V 10% X6S AUTO 0201
DNI	DNI
DNI	DNI
2.2uF	CAP CERAMIC 2.2uF 6.3V 10% X7R AUTO 0603
47uF	CAP CERAMIC 47uF 6.3V 10% X7R AUTO 1210
9pF	CAP CERAMIC 9pF 50V 0.5pF% C0G(NP0) AUTO 0402
0.1uF	CAP CERAMIC 0.1uF 16V 10% X7R AUTO 0402
BZX84C6V8LT1G	DIODE ZENER 250mW 6.8V SOT23-123
SZMM3Z10VST1G	DIODE ZENER 10V 300mW SOD323
DNI	
DNI	
DNI	
DNI	
DNI	
DNI	
120E	IND FERRITE BEAD CHIP 120E 3A 0603

0E	RES 0E 1/4W JUMPER 0603 (HP)
CON_BTOB_2X30_171450_F	CON BTOB 2X30 0.80MM PITCH FEMALE ST SMD
DNI	DNI
HDR_1X3	CON HDR 1X3 2.00MM PITCH ST TH
CON_8X40_F_LPAF	CON 8X40 1.27MM PITCH FEMALE ST SMD
1uH	IND POWER 1uH 3.7A 20% AUTO 1008
0.47uH	IND POWER 0.47uH 20% 4.9A 1008
2.2uH	IND POWER 2.2uH 1.4A 20% SMD
AM6-COMPROCEVM	ACCESSORIE 1 WORKHORSE POLYSTER LABLE 0.25" X 1"
5988170107F	LED ALINGAP GREEN CLEAR 0805
DNI	
DNI	
DNI	
DNI	
DNI	
PROC078E7	J721EX SOM 941X PMIC REV E7 BARE PCB
10K_1%	RES 10K 1/16W 1% 0402
DNI	DNI
9.09K_1%	RES 9.09K 1/16W 1% 0402
0.01E_1%	RES CURRENT SENSE 0.01E 1/4W 1% 0306-4
1K_1%	RES 1K 1/10W 1% 0402
DNI	DNI
0.005E_1%	RES 0.005E 1.5W 1% 1206-W
0.01E_1%	RES 0.01E 1W 1% 0805-W
2.2K	RES 2.2K 1/20W 5% 0201
0E	RES 0E 1/10W JUMPER 0402
10K_1%	RES 10K 1/20W 1% 0201
1K_1%	RES 1K 1/20W 1% 0201
DNI	DNI
11K_1%	RES 11K 1/16W 1% 0402
3K_1%	RES 3K 1/16W 1% 0402
DNI	DNI
22E_1%	RES 22E 1/16W 1% 0402
16.5K_1%	RES 16.5K 1/10W 1% 0402
3.4K_1%	RES 3.4K 1/10W 1% 0402
DNI	DNI
3.01K_1%	RES 3.01K 1/20W 1% 0201
100E_1%	RES 100E 1/20W 1% 0201
500E_0.1%	RES 500E 1/20W 0.1% 0402
240E_1%	RES 240E 1/20W 1% 0201
100K	RES 100K 1/10W 5% 0402
50E_1%	RES 50E 1/8W 1% 0402
DNI	DNI
5.49K_1%	RES 5.49K 1/10W 1% 0402
240E	RES 240E 1/16W 5% 0402
1M_1%	RES 1M 1/10W 1% 0402
220E_1%	RES 220E 1/16W 1% 0402
218-2LPST	SWITCH SLIDE DIP SPST 2POS ST SMD
DNI	DNI

DNI	DNI
DNI	DNI
5002	ACCESSORIE PC TEST POINT
DNI	DNI
DNI	DNI
DNI	DNI
DNI	DNI
TMP100NA/3K	IC TEMPERATURE SENSOR WITH I2C AND SMBUS INTERF
MT53D1024M32D4DT	IC 32Gb AUTOMOTIVE LPDDR4 SDRAM VFBGA200
TLV70018DDCR	IC LDO LINEAR REGULATOR 200mA 1.8V SOT23-5
TPS22965NDSGR	IC 6A,16mOHM ON RESISTANCE LOAD SWITCH WSON8
SN74LVC2G74	IC SINGLE POSITIVE-EDGE-TRIGGERED D-TYPE FLIP-FLOP V
TPS22976NDPUT	IC 6A,14mOHM ON RESISTANCE DUAL CHANNEL LOAD SV
TPS22965TDSGRQ1	IC 5.5V 4A 16mE ON-RESISTANCE LOAD SWITCH WSON8
SN74LVC2G66QDCURQ1	IC DUAL BILATERAL ANALOG SWITCH VSSOP8
CAV24C256WE-GT3	IC 256Kb I2C AUTOMOTIVE SERIAL EEPROM SOIC8
SN74LVC1G08DBVRE4	IC SINGLE 2-INPUT POSITIVE AND GATE SOT23-5
TPS7A8400ARGRT	IC 3A HIGH-ACCURACY LOW NOISE LDO REGULATOR VQFN
TS3DDR3812RUAR	IC 12-CH 1:2 MUX/DEMUX SWITCH FOR DDR3 APPLICATI
MT35XU512ABA1G12-0AUT	IC 1.7-2V 512Mb AUTOMOTIVE XCCELA FLASH MEMORY
S71KS512SC0BHV000	IC 512Mb 1.8V HYPER-FLASH AND HYPER-RAM MCP FBGA
TPS659413	IC POWER MANAGEMENT WITH 4-PHASE 14A BUCK VQFN
TPS62290TDRVRQ1	IC 1A SYNCHRONOUS STEP DOWN BUCK CONVERTER WS
TPS659411	IC POWER MANAGEMENT WITH 4-PHASE 14A BUCK VQFN
TPS74501PDRVR	IC 500mA ADJ OUTPUT LDO WITH POWER-GOOD WSON6
SN74LV1T08DBVR	IC 2-INPUT POSITIVE AND GATE CMOS LOGIC LEVEL SHIF
TLV7103318QDSERQ1	IC 200mA 3.3V/1.8V LOW IQ LDO REGULATOR WSON6
TS5A3159MDBVREP	IC SPDT ANALOG SWITCH SOT23-6
NVMFS4C05NT1G	IC MOSFET N-CHANNEL 30V 127A SO-8FL(DFN5)
CCBTLV3257MPWREP	IC 4BIT 1-OF-2 FET MULTIPLEXER/DEMULTIPLEXER TSSOP
SN74LVC1G06DCKT	IC SINGLE INVERTER BUFFER/DRIVER WITH OPEN-DRAIN
J721E_181212	IC J7ES GP VERSION MICROPROCESSOR BGA827
22.5792MHz	CRY 22.5792MHz 8pF SMD
32.768KHz	CRY 32.768KHz 12.5pF SMD
19.200MHz	CRY 19.200MHz 8pF SMD
32.768KHz	CRY 32.768KHz 9pF SMD

## PROC078E7A(001)\_BOM

Mfr_name	Mfr_part_number	Direct Alternate_mfr_name
DNI	DNI	
Aavid Thermalloy	374424B00035G	
KEMET	C0402C103K5RACTU	TDK
MURATA	GCM155R71C104JA55D	TDK
TDK CORPORATION	C1608X7R1E105K080AE	SAMSUNG
MURATA	GCM31CD70G476ME	
MURATA	NFM18HC106D0G	
MURATA	GCM21BD70J226ME36L	
MURATA	NFM15HC105D0G	
DNI	DNI	
DNI	DNI	DNI
TAIYO YUDEN	LMK316AB7226ML-TR	TDK
AVX CORPORATION	0402ZA221JAT2A	
MURATA	GCM033C70J104K	
MURATA	GJM1555C1H100JB01D	KEMET
DNI	DNI	
MURATA	GCM155C71A474KE36D	TDK
TAIYO YUDEN	UMK105CG180JV-F	SAMSUNG
MURATA	GCM155C71A105KE38D	
MURATA	GRM188C81C106MA73D	SAMSUNG
AVX CORPORATION	04025A120JAT2A	SAMSUNG
MURATA	GCM21BR71A106KE22K	SAMSUNG
MURATA	GRM155C80J475MEAAD	TAIYO YUDEN
MURATA	GRT033C80J224KE01D	
DNI	DNI	
DNI	DNI	
MURATA	GCM188R70J225KE22D	TDK
MURATA	GCM32ER70J476KE19L	TDK
TDK CORPORATION	CGA2B2NP01H090D050BA	TDK
MURATA	GCM155R71C104KA55D	TDK
ON SEMICONDUCTOR	BZX84C6V8LT1G	
ON SEMICONDUCTOR	SZMM3Z10VST1G	
MURATA	BLM18KG121TH1D	TDK

VISHAY	CRCW06030000Z0EAHP	
MOLEX	171450-5106	
DNI	DNI	
HARWIN INC	M22-2510305	
SAMTEC	LPAF-40-03.5-L-08-2-K-TR	
TDK CORPORATION	TFM252012ALMA1R0MTAA	
TDK CORPORATION	TFM252012ALMAR47MTAA	
COILCRAFT	LPS3015-222MRC	
BRADY	THT-103-423-10	
DIALIGHT	5988170107F	
ANY	PROC078E7	
YAGEO AMERICA	RC0402FR-0710KL	
DNI	DNI	
VISHAY	CRCW04029K09FKED	
OHMITE	FC4L16R010FER	
PANASONIC-ECG	ERJ-2RKF1001X	
DNI	DNI	
SUSUMU	KRL3216E-C-R005-F-T1	
SUSUMU	KRL2012E-C-R010-F-T5	
YAGEO AMERICA	RC0201JR-072K2L	
PANASONIC-ECG	ERJ-2GE0R00X	
SAMSUNG	RC0603F103CS	
KOA SPEER	RK73H1HTTC1001F	
DNI	DNI	
YAGEO AMERICA	RC0402FR-0711KL	
YAGEO AMERICA	RC0402FR-073KL	
DNI	DNI	
YAGEO AMERICA	RC0402FR-0722RL	
PANASONIC-ECG	ERJ-2RKF1652X	
PANASONIC-ECG	ERJ-2RKF3401X	
DNI	DNI	
PANASONIC-ECG	ERJ-1GNF3011C	
VISHAY	CRCW0201100RFNED	
VISHAY	PNM0402E5000BST1	
YAGEO AMERICA	RC0201FR-07240RL	
PANASONIC-ECG	ERJ-2GEJ104X	
ATC	504L50R0FTNCFT	
DNI	DNI	
PANASONIC-ECG	ERJ-2RKF5491X	
YAGEO AMERICA	RC0402JR-07240RL	
PANASONIC-ECG	ERJ-2RKF1004X	
YAGEO AMERICA	RC0402FR-07220RL	
CTS	218-2LPST	
DNI	DNI	



DNI	DNI	
DNI	DNI	
KEYSTONE	5002	
DNI	DNI	
DNI	DNI	
DNI	DNI	
DNI	DNI	
TEXAS INSTRUMENTS	TMP100NA/3K	
MICRON	MT53D1024M32D4DT-046 AAT:D	
TEXAS INSTRUMENTS	TLV70018DDCR	
TEXAS INSTRUMENTS	TPS22965NDSGR	
TEXAS INSTRUMENTS	SN74LVC2G74DCUR	
TEXAS INSTRUMENTS	TPS22976NDPUT	
TEXAS INSTRUMENTS	TPS22965TDSGRQ1	
TEXAS INSTRUMENTS	SN74LVC2G66QDCURQ1	
ON SEMICONDUCTOR	CAV24C256WE-GT3	
TEXAS INSTRUMENTS	SN74LVC1G08DBVRE4	
TEXAS INSTRUMENTS	TPS7A8400ARGRT	
TEXAS INSTRUMENTS	TS3DDR3812RUAR	
MICRON	MT35XU512ABA1G12-0AUT	
CYPRESS	S71KS512SC0BHV000	
TEXAS INSTRUMENTS	TPS659413	
TEXAS INSTRUMENTS	TPS62290TDRVRQ1	
TEXAS INSTRUMENTS	TPS659411	
TEXAS INSTRUMENTS	TPS74501PDRVR	
TEXAS INSTRUMENTS	SN74LV1T08DBVR	
TEXAS INSTRUMENTS	TLV7103318QDSERQ1	
TEXAS INSTRUMENTS	TS5A3159MDBVREP	
ON SEMICONDUCTOR	NVMFS4C05NT1G	
TEXAS INSTRUMENTS	CCBTLV3257MPWREP	
TEXAS INSTRUMENTS	SN74LVC1G06DCKT	
TEXAS INSTRUMENTS	XJ721EGALF	
ABRACON CORPORATION	ABM10W-22.5792MHZ-8-K1Z-T3	
ABRACON CORPORATION	ABS07AIG-32.768KHZ-T	
ABRACON CORPORATION	ABM10W-19.2000MHZ-8-K1Z-T3	
ECS INC	ECS-.327-9-34QCS-TR	

Direct Alternate_mfr_part_number	Automotive Alternate_mfr_name
C1005X7R1H103K050BE	TDK
CGA2B1X7R1C104K050BC	TDK
CL10B105KA8NNNC	TDK
	TDK
	TDK
	TDK
	DNI
DNI	DNI
C3216X7S1A226M160AC	TDK
CBR04C100J5GAC	MURATA
	DNI
CGA2B3X7S1A474K050BB	TDK
CL05C180JB5NNNC	TDK
CL10X106MO8NRNC	MURATA
CL05C120JB5NNNC	TDK
CL21B106KPQNNNE	MURATA
JMK105BBJ475MV-F	TAIYO YUDEN
CGA3E1X7R0J225K080AC	TDK
CGA6P1X7S1A476M	TDK
CGA2B2C0G1H090D050BA	TDK
CGA2B1X7R1C104K050BC	TDK
MPZ1608S121ATAH0	TDK

[illegible]

[illegible]

Automotive Alternate_mfr_part_number	PCB Footprint	Remarks
	DNI	
CGA2B3X7R1H103K050BB	CAP0402_0-75	
CGA2B1X7R1C104K050BC	CAP0402_0-75	
CGA3E1X7R1E105K080AC	CAP0603_1	
CGA5L1X7T0G476M	CAP1206_2	
YFF18AC0G475MT	EMIFIL_NFM18C_0603_0-7	
CGA4J1X7T0J226M	CAP0805_1-25	
	EMIFIL_NFM15CC_0402_0-5	
DNI	DNI	
DNI	DNI	
CGA5L1X7S1A226M160AC	CAP1206_2	
	CAP0402_0-75	
	CAP0201_0-5	
GCM1555C1H100JA16D	CAP0402_0-75	
DNI	DNI	
CGA2B3X7S1A474K050BB	CAP0402_0-75	
CGA2B2C0G1H180J050BA	CAP0402_0-75	
	CAP0402_0-75	
GRT188C81C106ME13D	CAP0603_1	
CGA2B2C0G1H120J050BA	CAP0402_0-75	
GCM21BR71A106KE22L	CAP0805_1-5	
JMK105BBJ475MVHF	CAP0402_0-75	
	CAP0201_0-5	
	DNI	
	DNI	
CGA3E1X7R0J225K080AC	CAP0603_1	
CGA6P1X7S1A476M	CAP1210_2-75	
CGA2B2C0G1H090D050BA	CAP0402_0-75	
CGA2B1X7R1C104K050BC	CAP0402_0-75	
	SOT23-123_1-2	
	DIO_SOD323_1-1	
	DNI	
	DNI	
	DNI	
	DNI	
	DNI	
	DNI	
MPZ1608S121ATDH5	EMIFIL_BLM18P_0603_0-8	

	RES0603_0-75	
	CON_BT0B2X30_171450-5106_S_S_S_4-6	
	DNI	
	HDR_1X3_78-74_S_T	
	CON_8X40_LPAF-40-03-5-L-08_S_S_S_3-5	
	IND1008_1-2	
	IND1008_1-2	
	IND_LPS3015_120X120_SMD_1-5	
	NA	
	LED_0805_0-7	
	DNI	
	DNI	
	DNI	
	RES0402_0-5	
	DNI	
	RES0402_0-5	
	RES_FC4L16_0306-4_0-7	
	RES0402_0-5	
	DNI	
	RES_KRL3216_1206-6_0-7_TI	
	RES_KRL2012_0805-6_0-7_TI	
	RES0201_0-5	
	RES0402_0-5	
	RES0201_0-5	
	RES0201_0-5	
	DNI	
	RES0402_0-5	
	RES0402_0-5	
	DNI	
	RES0402_0-5	
	RES0402_0-5	
	RES0402_0-5	
	DNI	
	RES0201_0-5	
	RES0201_0-5	
	RES0402_1	
	RES0201_0-5	
	RES0402_0-5	
	RES0402_0-75	
	DNI	
	RES0402_0-5	
	RES0402_0-5	
	RES0402_0-5	
	RES0402_0-5	
	SW4_49-99_150X230_SMD_2-7	
	DNI	

	DNI	
	DNI	
	TP_CIR67D40_TH_4-6	
	DNI	
	DNI	
	DNI	
	DNI	
TMP100AQDBVRQ1	SOT23-6_1-5	
	WFBGA200_MT53DDS_400X570_1	
TLV70018QDDCRQ1	SOT23-5	
	WSO8_19-68_80X80_0-8	
	VSSOP8_19-68_85X95	
	WSO14_15-74_80X120_0-8	
	WSO8_19-68_80X80_0-8	
	VSSOP8_19-68_85X95_0-9	
	SOIC8_1-8	
SN74LVC1G08QDBVRQ1	SOT23-5	
	VQFN20_19-68_140X140_1_EP2-2	
	TQFN42_19-68_140X360_0-8	
	TPBGA24_39-37_240X320_1-2	
S71KS512SC0BHB000	BGA24_39-37_240X310_1	
	VQFN56_19-68_320X320_0-9_EP6	
	SON6_25-59_85X85_0-8	
	VQFN56_19-68_320X320_0-9_EP6	
	SON6_25-59_85X85_0-8	
	SOT23-5_1-5	
	WSO6_TPS717_60X60_0-8	
	SOT23-6	
	DFN5_NTMFS4835N_240X200_1-1	
	TSSOP16_25-59_205X180_1-2	
	SC70-5_1-1	
	FCBGA827_31-49_950X950_2-8	
	XTAL4_ABM10W_100X80_SMD_0-6	
	XTAL_ABS07AIG_130X60_SMD_0-9	
	XTAL4_ABM10W_100X80_SMD_0-6	
	XTAL_ECS-32_130X60_SMD_0-9	

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