

item_number	revision	item_name	quantity
428-0004	9	AIS COMBINED CLASS B / SPLITTER RAYMARINE	
011-0094	1.3	IRIS CONNECTOR PCB ASSEMBLY RAYMARINE	1
010-0087	1	IRIS CONNECTOR PCB RAYMARINE	1
022-0001	1	RES 0R 0402 0.063W 5% THICK FILM	1
022-0036	1	RES 27R 0402 0.063W 1% THICK FILM	1
022-0050	1	RES 100R 0402 0.063W 1% THICK FILM	2
022-0066	1	RES 470R 0402 0.063W 1% THICK FILM	2
022-0098	1	RES 10K 0402 0.063W 1% THICK FILM	4
022-0146	1	RES 1M 0402 0.063W 1% THICK FILM	1
032-0045	1	Cap Cer 1n 0402 COG 50V 5%	1
032-0063	1	Cap Cer 100n 0402 X7R 16V 10%	1
035-0072	1	CAP CER 1n 1206 X7R 2KV 10%	1
049-0013	1	IND FERRITE BEAD 1000R SMD 0402	4
060-0017	1	LED RGB RA SMD	1
070-0005	1	TRANSISTOR NPN BIPOLAR SOT23	3
171-0011	1	MALE 5 WAY FRONT MOUNT ROUND PTH	1
171-0042	1	SOCKET USB B MICRO EXTENDED BODY SMD	1
171-0043	1	MALE 12 WAY FRONT MOUNT ROUND PTH 6.4mm PINS	1
174-0151	1	HEADER 2X20 1mm VERTICAL SMD	1
200-0185	2	LABEL SERIAL NUMBER PCA 10MM x 13MM	1
011-0098	4	IRIS PCB ASSEMBLY	1
010-0084	4	MERCURY PCB	1
022-0001	1	RES 0R 0402 0.063W 5% THICK FILM	10
022-0002	2	RES 1R 0402 0.063W 5% THICK FILM	1
022-0010	1	RES 2R2 0402 0.063W 5% THICK FILM	2
022-0026	1	RES 10R 0402 0.063W 1% THICK FILM	16
022-0030	1	RES 15R 0402 0.063W 1% THICK FILM	3
022-0034	1	RES 22R 0402 0.063W 1% THICK FILM	14
022-0038	1	RES 33R 0402 0.063W 1% THICK FILM	6
022-0042	1	RES 47R 0402 0.063W 1% THICK FILM	10
022-0046	1	RES 68R 0402 0.063W 1% THICK FILM	1
022-0050	1	RES 100R 0402 0.063W 1% THICK FILM	25
022-0054	1	RES 150R 0402 0.063W 1% THICK FILM	10
022-0056	2	RES 180R 0402 0.063W 1% THICK FILM	1
022-0058	1	RES 220R 0402 0.063W 1% THICK FILM	3

022-0060	1	RES 270R 0402 0.063W 1% THICK FILM	4
022-0062	1	RES 330R 0402 0.063W 1% THICK FILM	5
022-0066	1	RES 470R 0402 0.063W 1% THICK FILM	6
022-0070	1	RES 680R 0402 0.063W 1% THICK FILM	3
022-0074	1	RES 1K 0402 0.063W 1% THICK FILM	22
022-0076	1	RES 1K2 0402 0.063W 1% THICK FILM	3
022-0078	1	RES 1K5 0402 0.063W 1% THICK FILM	1
022-0080	1	RES 1K8 0402 0.063W 1% THICK FILM	9
022-0082	1	RES 2K2 0402 0.063W 1% THICK FILM	2
022-0084	1	RES 2K7 0402 0.063W 1% THICK FILM	2
022-0086	1	RES 3K3 0402 0.063W 1% THICK FILM	14
022-0090	1	RES 4K7 0402 0.063W 1% THICK FILM	6
022-0092	1	RES 5K6 0402 0.063W 1% THICK FILM	3
022-0096	1	RES 8K2 0402 0.063W 1% THICK FILM	5
022-0098	1	RES 10K 0402 0.063W 1% THICK FILM	36
022-0099	1	RES 11K 0402 0.063W 1% THICK FILM	1
022-0100	1	RES 12K 0402 0.063W 1% THICK FILM	1
022-0102	1	RES 15K 0402 0.063W 1% THICK FILM	2
022-0105	1	RES 20K 0402 0.063W 1% THICK FILM	1
022-0106	1	RES 22K 0402 0.063W 1% THICK FILM	3
022-0107	1	RES 24K 0402 0.063W 1% THICK FILM	1
022-0108	1	RES 27K 0402 0.063W 1% THICK FILM	2
022-0109	1	RES 30K 0402 0.063W 1% THICK FILM	1
022-0110	1	RES 33K 0402 0.063W 1% THICK FILM	5
022-0111	P1	RES 36K 0402 0.063W 1% THICK FILM	1
022-0112	2	RES 39K 0402 0.063W 1% THICK FILM	1
022-0114	1	RES 47K 0402 0.063W 1% THICK FILM	5
022-0115	1	RES 51K 0402 0.063W 1% THICK FILM	1
022-0122	1	RES 100K 0402 0.063W 1% THICK FILM	12
022-0123	1	RES 110K 0402 0.063W 1% THICK FILM	1
022-0134	1	RES 330K 0402 0.063W 1% THICK FILM	1
022-0146	1	RES 1M 0402 0.063W 1% THICK FILM	3
023-0001	1	RES 0R 0603 0.1W 5% THICK FILM	2
023-0010	1	RES 2R2 0603 0.1W 5% THICK FILM	1
023-0043	1	RES 51R 0603 0.1W 1% THICK FILM	1
023-0045	1	RES 62R 0603 0.1W 1% THICK FILM	1
023-0046	1	RES 68R 0603 0.1W 1% THICK FILM	1
023-0050	1	RES 100R 0603 0.1W 1% THICK FILM	1
024-0148	1	RES 62R 0805 0.125W 1% THICK FILM	3
024-0149	1	RES 270R 0805 0.125W 1% THICK FILM	1

025-0026	2	RES 10R 1206 0.25W 1% THICK FILM	1
032-0003	1	CAP CER 1p 0402 COG 50V $\pm 0.1\text{pF}$	4
032-0010	1	CAP CER 2p7 0402 COG 50V $\pm 0.1\text{pF}$	1
032-0012	1	CAP CER 3p3 0402 COG 50V $\pm 0.1\text{pF}$	1
032-0014	1	CAP CER 3p9 0402 COG 50V $\pm 0.1\text{pF}$	1
032-0016	1	CAP CER 4p7 0402 COG 50V $\pm 0.1\text{pF}$	2
032-0018	1	CAP CER 5p6 0402 COG 50V $\pm 0.25\text{pF}$	1
032-0019	1	CAP CER 6p8 0402 COG 50V $\pm 0.25\text{pF}$	1
032-0020	1	CAP CER 8p2 0402 COG 50V $\pm 0.25\text{pF}$	1
032-0021	1	Cap Cer 10p 0402 COG 50V 5%	11
032-0022	1	CAP CER 12p 0402 COG 50V 5%	5
032-0023	1	CAP CER 15p 0402 COG 50V 5%	10
032-0024	1	CAP CER 18p 0402 COG 50V 5%	4
032-0025	1	CAP CER 22p 0402 COG 50V 5%	13
032-0027	1	CAP CER 33p 0402 COG 50V 5%	3
032-0028	1	CAP CER 39p 0402 COG 50V 5%	2
032-0029	1	CAP CER 47p 0402 COG 50V 5%	1
032-0030	1	CAP CER 56p 0402 COG 50V 5%	2
032-0032	1	CAP CER 82p 0402 COG 50V 5%	2
032-0033	1	CAP CER 100p 0402 COG 50V 5%	12
032-0039	1	CAP CER 330p 0402 COG 50V 5%	1
032-0045	1	Cap Cer 1n 0402 COG 50V 5%	59
032-0046	1	CAP CER 1n5 0402 X7R 50V 10%	1
032-0047	1	Cap Cer 2n2 0402 X7R 50V 10%	1
032-0048	1	Cap Cer 3n3 0402 X7R 50V 10%	2
032-0049	1	CAP CER 4n7 0402 X7R 50V 10%	1
032-0050	1	Cap Cer 6n8 0402 X7R 50V 10%	1
032-0051	1	Cap Cer 10n 0402 X7R 50V 10%	25
032-0053	1	CAP CER 15n 0402 X7R 50V 10%	2

032-0063		1	Cap Cer 100n 0402 X7R 16V 10%	73
032-0065		1	Cap Cer 1u 0402 X5R 10V 10%	29
032-0067		1	Cap Cer 4u7 0402 X5R 6.3V 20%	2
032-0072		1	CAP CER HIGH-Q 0p5 0402 C0G 50V ±0.05pF	1
032-0073		1	CAP CER HIGH-Q 8p2 0402 C0G 50V ±0.05pF	1
032-0077		1	CAP CER HIGH-Q 5p6 0402 C0G 50V ±0.05pF	1
032-0078		1	CAP CER HIGH-Q 12p 0402 C0G 50V ±2%	1
032-0080		1	CAP CER HIGH-Q 4p7 0402 C0G 50V ±0.05pF	3
032-0094		1	CAP CER 2p2 0402 COG 100V ±0.1pF	2
032-0109		1	CAP CER 15p 0402 COG 100V ±5%	2
032-0110		1	CAP CER 18p 0402 COG 100V ±5%	2
032-0111		1	CAP CER 22p 0402 COG 100V ±5%	1
032-0113		1	CAP CER 33p 0402 COG 100V ±5%	2
032-0119		1	CAP CER 100p 0402 COG 100V ±5%	1
033-0035		1	CAP CER 1n 0603 COG 50V +/-5%	4
033-0055		2	CAP CER 100n 0603 X7R 100V 10%	1
033-0059		1	CAP CER 220n 0603 X7R 25V 10%	4
033-0063		1	Cap Cer 470n 0603 X7R 16V 10%	1
033-0067		1	CAP CER 1u 0603 X5R 25V 10%	1
033-0068		1	CAP CER 2u2 0603 X5R 16V 10%	2
033-0079		2	CAP CER 4p7 0603 C0G 250V +/-0.1pf	1
033-0090		1	CAP CER 27p 0603 C0G 250V 5%	1
033-0099		1	CAP CER 1n 0603 X7R 100V 10%	5
033-0104	P1		CAP CER 10u 0603 X5R 25V 20%	6
034-0085		1	CAP CER 1p 0805 C0G 250V +/-0.1pf	3
034-0095		1	CAP CER 6p8 0805 C0G 250V +/-0.1pf	1
034-0100		1	CAP CER 12p 0805 C0G 250V 5%	1
034-0102		1	CAP CER 18p 0805 C0G 250V 5%	1
034-0103		1	CAP CER 22p 0805 C0G 250V 5%	3
034-0116		1	CAP CER 1u 0805 X7R 50V 10%	2
034-0119		1	CAP CER 4u7 0805 X5R 25V 10%	1
034-0120		1	Cap Cer 10u 0805 X5R 16V 10%	10

035-0068	1	Cap Cer 1n 1206 COG 200V 5%	7
035-0073	2	CAP CER 10u 1210 X7R 50V 10%	5
037-0001	1	CAP TANT 47u 35V 10% SMD EIA7343-43	1
042-0023	1	IND 10nH 0402 1300mA 2%	1
042-0032	1	IND 22nH 0402 800mA 2%	4
042-0042	1	IND 47nH 0402 420mA 2%	4
042-0045	1	IND 68nH 0402 320mA 2%	3
042-0051	1	IND 220nH 0402 160mA 2%	2
043-0078	1	IND 1uH 0603 400mA +/-2% LS	2
043-0080	1	IND 1.2uH 0603 370mA +/-2% LS	1
043-0081	1	IND 2.7uH 0603 280mA +/-2% LS	1
044-0008	1	IND 10nH 0805 600mA 2% CS	1
044-0014	1	IND 27nH 0805 500mA 2% CS	1
044-0017	1	IND 39nH 0805 500mA 2% CS	1
044-0019	1	IND 47nH 0805 500mA 2% CS	4
044-0024	1	IND 100nH 0805 400mA 2% CS	1
044-0027	1	IND 150nH 0805 400mA 2% CS	1
044-0029	1	IND 220nH 0805 400mA 2% CS	2
044-0033	1	IND 390nH 0805 290mA 2% CS	1
044-0037	1	IND 820nH 0805 180mA 2% CS	4
044-0047	1	IND 2.2uH 2% SMD 0805LS	2
044-0058	1	IND 68nH 0805 500mA 1% CS	1
044-0059	1	IND 47nH 0805 500mA 1% CS	2
046-0001	1	IND 22nH 1812SMS 3.0A 2% MIDI-SPRING	2
046-0003	1	IND 33nH 1812SMS 3.0A 2% MIDI-SPRING	1
046-0005	1	IND 47nH 1812SMS 3.0A 2% MIDI-SPRING	3
046-0015	1	IND 47nH 1812SMS 3.0A 5% MIDI-SPRING	1
048-1002	2	IND POWER SHIELDED 1uH 30% SMD	1
048-1008	2	IND POWER SHIELDED 15uH 20% SMD	1
048-1012	2	IND POWER SHIELDED 47uH 20% SMD	1
048-1014	2	IND POWER SHIELDED 100uH 20% SMD	1
048-1032	1	IND POWER SHIELDED 1.5uH 20% SMD	1
049-0004	1	IND FERRITE BEAD 220R SMD 0805	4
049-0011	1	IND FERRITE BEAD 220R SMD 0402	4
049-0019	1	IND FERRITE BEAD 600R SMD 0805 HIGH FREQ	1
050-0001	1	DIODE SCHOTTKY 1A 100V SMD SMB	1
050-0002	1	DIODE SCHOTTKY 70mA 70V SMD SOT-143	4
050-0006	1	DIODE SCHOTTKY 500mA 40V SMD SOT-23	3
050-0008	1	DIODE SCHOTTKY 70mA 70V SMD SOD-523	2
051-0004	1	DIODE TUNING SILICON DUAL COMMON CATHODE SMD SC70	2

053-0001	1	DIODE SMD SWITCHING SOT23	4
054-0002	1	DIODE SMD PIN	7
054-0003	1	DIODE PIN Vr 30V IF 100mA Ptot 500mW SMD SOD-323	5
055-0039	1	DIODE ZENER 10V 6% SMD SOD-323	1
056-0003	1	DIODE ESD DUAL CAN 200W SMD SOT-23	1
056-0004	1	DIODE TRANSIENT SUPPRESSOR 28V 1500W SMD SMC	1
056-0011	P1	DIODE TRANSIENT SUPPRESSOR 11V 400W SMD SMA	1
060-0001	1	LED GREEN SMD 0603	1
060-0002	1	LED RED SMD 0603	2
060-0003	1	LED YELLOW SMD 0603	1
060-0012	1	LED BLUE SMD 0603	2
062-0002	2	PHOTOCOUPLER LOGIC COMPATIBLE 1MBIT/S SMD SOIC-8	2
070-0002	1	TRANSISTOR PNP HIGH VOLTAGE SOT23	6
070-0005	1	TRANSISTOR NPN BIPOLAR SOT23	2
070-0013	1	TRANSISTOR NPN RF SOT23	4
071-0001	1	TRANSISTOR MOSFET N-CHANNEL 0.1A 250V SMD SOT-23	4
071-0017	1	TRANSISTOR MOSFET P-CHANNEL 50A 100V SMD POWER-56	1
072-0002	2	TRANSISTOR MOSFET N-CHANNEL DUAL- GATE 1GHz NF 1dB SMD SOT-143	1
072-0005	P2	TRANSISTOR MOSFET 1W RF POWER n- CHANNEL SMD	1
072-0006	1	TRANSISTOR MOSFET 7W RF POWER n- CHANNEL SMD	1
080-0023	1	REGULATOR 3V3 200 mA LDO LOW COST SMD SC70-5	11
080-0027	P1	REGULATOR 0.5A, 42V STEP DOWN SWIFT™ DC/DC CONVERTER WITH ECO- MODE	1
080-0040	1	REGULATOR 5V 250mA LDO SMD SO-8	1
080-0041	1	REGULATOR 5V 450mA LDO SMD HTSSOP-20	1
080-0042	1	REGULATOR ADJ 500mA LDO CMOS SMD WSON	1
080-0043	1	REGULATOR 1.2A DC TO DC INVERTING	1
082-0011	1	FUSE RESETTABLE 1.25A 15V SMD	1
082-0021	1	FUSE RESETTABLE 40A 15V SMD	4
082-0022	1	FUSE RESETTABLE 1.4A 16.4V WITH TRANSIENT SUPPRESSOR DIODE SMD POLYZEN-LS	1
082-0023	1	FUSE RESETTABLE 1.3A 5.6V WITH TRANSIENT SUPPRESSOR DIODE SMD POLYZEN-LS	1
091-0001	1	IC DETECTOR FM IF SMD SOP-16	2
091-0002	1	IC DETECTOR 100MHz to 2500MHz 45db SMD 8-uSOP	1

092-0001		1 IC E-pHEMT MMIC AMPLIFIER SMD SOT-363	2
094-0006		1 IC PLL FREQ SYNTHESIZER DUAL SMD TSSOP-20	1
096-0010		3 IC GPS GNSS BEIDOU RECEIVER MODULE	1
101-0017		1 PROCESSOR CORETEX-M4 1024KB FLASH 256+4KB RAM SMD QFP-100	1
102-0014		1 IC MEMORY EEPROM SERIAL (I2C) 128KBIT 1.7V MLP8	1
106-0017		1 IC ANALOG SW SPDT SINGLE 2.7V SMD BGA-8	6
106-0018		1 IC EXCLUSIVE OR-GATE 2-INPUT SINGLE SMD DSBGA-5	2
106-0019		1 IC INVERTING SINGLE UNBUFFERED OUTPUT SMD DSBGA-5	3
106-0020		1 IC BUFFER INVERTING SINGLE SMD DSBGA-5	3
106-0021		1 IC D-TYPE FLIP-FLOP SINGLE SMD DSBGA-5	1
106-0022		1 IC BUFFER INVERTING HEX SMD DHVQFN14	2
106-0023		1 IC NAND GATE 2-INPUT QUAD SMD SOT-762	2
107-0003		1 IC CAN TRANSCEIVER ISOLATED 3V3 / 5V SMD SOP8	1
110-0003		1 IC OP-AMP RAIL TO RAIL BANDWIDTH 1MHz SMD SOT23-5	5
114-0006		1 IC SWITCH POWER SINGLE CHANNEL	1
121-0018		2 CRYSTAL FILTER 29.255MHz 4 POLE +/- 7.5KHz AT 3dB SMD 7x5mm 6 PAD	1
121-0019		1 CRYSTAL FILTER 19.655MHz 4 POLE +/- 7.5kHz AT 3dB SMD 7x5mm 6 PAD	1
122-0001		1 CERAMIC FILTER 455KHz +/-7.5KHz SMD	2
123-0001		1 CERAMIC DISCRIMINATOR 455KHz SMD	2
127-0009		1 SAW FILTER 159.00MHZ SMD QCC8C	3
133-0002		1 CRYSTAL TCXO 19.200MHz 3V3 0.5PPM SMD	1
134-0002		1 OSC 38.855MHz SMD	1
164-0001		1 CHOKE EMI COMMON MODE SMD 0603	4
164-0006		1 EMI FILTER 2-LINE AND ESD PROTECTION WITH R PULL-UP FOR USB 0.2UA 20PF	1
170-0017		1 U.FL CO-AX SOCKET ULTRA SMALL SMD	1
170-0040		1 UHF FEMALE STRAIGHT JACK PCB MOUNT	2
170-0041		1 TNC FEMALE STRAIGHT JACK PCB MOUNT	1
174-0147		1 HEADER 2X20 1.25mm VERTICAL SMD	1
174-0154	P1	1 HEADER 2X10 1.27mm VERTICAL SMD	1
200-0185		2 LABEL SERIAL NUMBER PCA 10MM x 13MM	1

190-0150	2	BASE MOULDING CHRONOS AIS ATON	1
190-0161	2	TOP MOULDING IRIS TRANSCEIVER RAYMARINE	1
191-0044	1	ANTENNA INTERNAL IRIS	1
191-0045	2	EARTHING TAB IRIS	1
192-0060	2	ENCLOSURE SEAL CHRONOS AIS ATON	1
192-0061	2	BUNG RUBBER USB IRIS RAYMARINE	1
200-0187	1	LABEL WARNING FCC XENON II	1
200-0795	2	LABEL RATINGS IRIS CLASS B TRANSCEIVER / SPLITTER RAYMARINE	1
200-0796	1	LABEL FASCIA IRIS CLASS B TRANSCEIVER / SPLITTER RAYMARINE	1
200-0797	2	LABEL SERIAL NUMBER BARCODE IRIS TRANSCEIVER / SPLITTER RAYMARINE	1
200-0817	2	LABEL LED IRIS CLASS B TRANSCEIVER / SPLITTER RAYMARINE	1
200-0818	2	LABEL VENT IRIS CLASS B TRANSCEIVER / SPLITTER RAYMARINE	1
222-0025	1	SCREW M1.8 X 6mm TORX PAN THREAD FORMER A2 STAINLESS STEEL	3
222-0055	1	SCREW 3mm x 10mm THREAD FORMER STAINLESS STEEL	4
260-0012	1	VENT PROTECTION PTFE 10MM OD 7MM ID	1
301-0045	1	CABLE ASSEMBLY 40W TO 40W 120mm	1
601-0082	2	EMBEDDED CODE COBALT II SO	1
610-0056	1	CONFIG DATA IRIS TRANSCEIVER RAYMARINE	1

reference_designator	manufacturer_1
	FLEX
M1	NCAB GROUP UK
R49	YAGEO
R19	YAGEO
R47, R50	YAGEO
R16, R46	YAGEO
R9, R18, R21, R40	YAGEO
R2	YAGEO
C2	MURATA
C4	MURATA
C1	MULTICOMP
L1, L2, L3, L4	MURATA
LED1	LITE-ON
Q1, Q2, Q8	NXP SEMICONDUCTORS
J2	LTW TECHNOLOGY CO. LTD.
SK3	CUI INC.
J3	SELWYN
SK1	MOLEX
LB1	FLEXTRONICS
	FLEX
M2	NCAB GROUP UK
C139, C142, R24, R91, R92, R108, R193, R195, R255, R260	YAGEO
R203	YAGEO
R199, R205	ROHM
R2, R5, R20, R21, R22, R29, R32, R64, R66, R77, R171, R174, R185, R189, R192, R250	ROHM
R190, R191, R282	ROHM
R23, R27, R133, R135, R136, R137, R138, R156, R179, R211, R221, R232, R238, R267	YAGEO
R8, R9, R35, R36, R134, R157	YAGEO
R7, R34, R129, R141, R152, R162, R187, R188, R235, R241	YAGEO
R275	ROHM
R6, R33, R78, R79, R80, R82, R84, R110, R111, R112, R114, R125, R126, R127, R128, R147, R148, R151, R181, R218, R219, R228, R229, R254, R266	YAGEO
R17, R44, R143, R145, R150, R164, R166, R169, R242, R259	YAGEO
R274	YAGEO
R172, R180, R268	YAGEO

R11, R38, R263, R265	ROHM
R10, R37, R58, R83, R243	YAGEO
R81, R121, R123, R149, R168, R201	YAGEO
R3, R30, R204	YAGEO
R14, R41, R47, R48, R65, R69, R71, R95, R96, R97, R98, R102, R103, R104, R105, R106, R107, R206, R213, R223, R257, R258	YAGEO
R170, R173, R280	YAGEO
R161	YAGEO
R13, R40, R183, R216, R226, R234, R237, R240, R277	YAGEO
R262, R281	YAGEO
R140, R160	YAGEO
R12, R18, R39, R45, R61, R73, R182, R202, R233, R236, R239, R248, R252, R279	YAGEO
R52, R74, R99, R100, R214, R224	YAGEO
R62, R146, R167	YAGEO
R56, R57, R210, R220, R253	YAGEO
R1, R25, R26, R28, R59, R60, R67, R68, R70, R90, R93, R94, R109, R115, R119, R120, R131, R142, R144, R154, R163, R165, R176, R177, R178, R196, R200, R207, R212, R215, R217, R222, R225, R227, R231, R278	YAGEO
R118	ROHM
R256	ROHM
R122, R124	ROHM
R101	ROHM
R16, R43, R208	ROHM
R117	ROHM
R15, R42	YAGEO
R55	YAGEO
R85, R244, R245, R246, R247	YAGEO
R194	ROHM
R54	YAGEO
R51, R76, R116, R197, R261	YAGEO
R251	ROHM
R4, R19, R31, R46, R72, R86, R130, R132, R139, R153, R155, R159	YAGEO
R50	YAGEO
R49	YAGEO
R75, R175, R249	YAGEO
R87, R230	YAGEO
R53	YAGEO
R273	ROHM
R264	ROHM
R272	ROHM
R269	ROHM
R209, R271, R276	PANASONIC
R270	PANASONIC

R113	ROHM
C31, C32, C75, C95	MURATA
C151	MURATA
C257	MURATA
C76	MURATA
C292, C293	MURATA
C85	MURATA
C274	MURATA
C319	MURATA
C10, C24, C38, C41, C43, C54, C87, C227, C234, C236, C342	MURATA
C21, C25, C65, C69, C266	MURATA
C30, C33, C74, C77, C241, C242, C244, C245, C305, C306	MURATA
C22, C27, C71, C163	MURATA
C66, C68, C166, C193, C194, C221, C223, C273, C275, C276, C277, C363, C364	MURATA
C23, C235, C296	MURATA
C187, C208	MURATA
C278	MURATA
C181, C203	MURATA
C7, C51	MURATA
C19, C63, C137, C184, C206, C219, C222, C287, C288, C310, C315, C331	MURATA
C224	MURATA
C15, C17, C26, C28, C59, C61, C70, C72, C111, C167, C169, C174, C176, C178, C180, C189, C192, C197, C199, C213, C214, C217, C218, C230, C238, C243, C246, C247, C248, C250, C251, C252, C254, C255, C256, C258, C260, C262, C267, C268, C270, C279, C280, C284, C307, C309, C311, C312, C314, C316, C320, C322, C329, C343, C344, C349, C350, C368, C369	MURATA
C286	MURATA
C98	MURATA
C113, C114	MURATA
C100	MURATA
C112	MURATA
C5, C9, C13, C14, C18, C29, C36, C49, C53, C57, C58, C62, C73, C80, C90, C115, C183, C191, C205, C216, C240, C263, C271, C333, C345	MURATA
C185, C209	MURATA

C2, C4, C6, C11, C12, C16, C20, C34, C35, C37, C39, C40, C42, C46, C48, C50, C55, C56, C60, C64, C78, C79, C81, C86, C94, C97, C99, C105, C109, C110, C116, C117, C118, C119, C120, C121, C122, C124, C126, C132, C133, C136, C143, C144, C147, C148, C156, C157, C158, C159, C161, C162, C164, C170, C190, C195, C200, C215, C226, C228, C229, C232, C233, C259, C264, C265, C269, C295, C308, C313, C324, C330, C371	MURATA
C1, C8, C45, C52, C104, C123, C125, C128, C134, C135, C145, C150, C155, C165, C173, C175, C177, C179, C196, C225, C231, C237, C283, C325, C327, C332, C334, C341, C367	MURATA
C127, C146	TAIYO YUDEN EUROPE GmbH
C188	MURATA
C201	MURATA
C186	MURATA
C171	MURATA
C172, C202, C207	MURATA
C294, C300	MURATA
C297, C298	MURATA
C301, C302	MURATA
C272	MURATA
C303, C317	MURATA
C291	MURATA
C82, C89, C93, C108	MURATA
C152	MURATA
C182, C204, C239, C348	MURATA
C129	MURATA
C153	MURATA
C130, C131	MURATA
C370	Johanson Dielectrics
C335	MURATA
C336, C337, C338, C339, C340	MURATA
C154, C160, C168, C198, C211, C212	MURATA
C346, C360, C361	MURATA
C347	MURATA
C354	MURATA
C353	MURATA
C351, C358, C359	MURATA
C102, C299	MURATA
C149	MURATA
C3, C47, C84, C91, C92, C96, C261, C285, C323, C326	MURATA

C352, C355, C356, C357, C362, C365, C366	AVX
C83, C88, C106, C107, C328	MURATA
C318	KEMET ELECTRONICS LTD.
L39	ABC TAIWAN ELECTRONICS CORP
L3, L6, L27, L52	ABC TAIWAN ELECTRONICS CORP
L34, L40, L45, L61	ABC TAIWAN ELECTRONICS CORP
L25, L26, L62	ABC TAIWAN ELECTRONICS CORP
L24, L51	COILCRAFT
L14, L46	COILCRAFT
L5	COILCRAFT
L2	COILCRAFT
L38	Viking Tech Corporation
L31	Viking Tech Corporation
L50	COILCRAFT
L33, L41, L42, L43	Viking Tech Corporation
L36	Viking Tech Corporation
L30	COILCRAFT
L48, L49	COILCRAFT
L57	COILCRAFT
L15, L19, L22, L32	Viking Tech Corporation
L1, L4	COILCRAFT
L16	ABC TAIWAN ELECTRONICS CORP
L20, L56	ABC TAIWAN ELECTRONICS CORP
L53, L58	COILCRAFT
L54	COILCRAFT
L55, L59, L60	COILCRAFT
L35	WURTH ELEKTRONIK
L11	NIC COMPONENTS CORP
L37	COILCRAFT
L8	NIC COMPONENTS CORP
L7	NIC COMPONENTS CORP
L18	COILCRAFT
L9, L21, L29, L44	WURTH ELEKTRONIK
L13, L17, L23, L28	MURATA
L12	WURTH ELEKTRONIK
D30	ON SEMICONDUCTOR
D13, D14, D21, D22	INFINEON
D2, D3, D4	NXP SEMICONDUCTORS
D1, D23	ST MICROELECTRONICS
D15, D16	Macom

D26, D27, D28, D29	NXP SEMICONDUCTORS
D31, D32, D33, D34, D35, D37, D38	MICROSEMI
D17, D18, D19, D20, D36	NXP SEMICONDUCTORS
D6	ON SEMICONDUCTOR
D12	NXP SEMICONDUCTORS
D7	BOURNS
D5	LITTELFUSE
D10	KINGBRIGHT
D8, D24	KINGBRIGHT
D9	KINGBRIGHT
D11, D25	KINGBRIGHT
IC28, IC30	AVAGO
Q6, Q7, Q8, Q15, Q16, Q20	FAIRCHILD SEMICONDUCTOR
Q4, Q19	NXP SEMICONDUCTORS
Q1, Q2, Q13, Q14	INFINEON
Q9, Q10, Q11, Q12	INFINEON
Q3	FAIRCHILD SEMICONDUCTOR
Q5	INFINEON
Q18	MITSUBISHI
Q17	MITSUBISHI
IC1, IC6, IC14, IC17, IC18, IC20, IC24, IC31, IC35, IC38, IC47	TEXAS INSTRUMENTS
IC13	TEXAS INSTRUMENTS
IC25	ST MICROELECTRONICS
IC12	TEXAS INSTRUMENTS
IC23	TEXAS INSTRUMENTS
IC50	ANALOG DEVICES INC.
FS1	TYCO
FS2, FS3, FS4, FS5	TE CONNECTIVITY
F5	TE CONNECTIVITY
F3	TE CONNECTIVITY
IC2, IC9	ROHM
IC53	MAXIM

IC43, IC52	AVAGO
IC34	ANALOG DEVICES INC.
IC21	UBLOX
IC8	ST MICROELECTRONICS
IC19	ST MICROELECTRONICS
IC3, IC4, IC10, IC11, IC32, IC36	TEXAS INSTRUMENTS
IC5, IC7	TEXAS INSTRUMENTS
IC33, IC37, IC46	TEXAS INSTRUMENTS
IC39, IC40, IC42	TEXAS INSTRUMENTS
IC41	TEXAS INSTRUMENTS
IC27, IC29	NXP SEMICONDUCTORS
IC48, IC49	NXP SEMICONDUCTORS
IC26	TEXAS INSTRUMENTS
IC15, IC16, IC44, IC45, IC51	MICREL
IC22	ST MICROELECTRONICS
F2	MURATA
F1	MURATA
FLTR2, FLTR4	AEL CRYSTALS LTD.
DISC1, DISC2	AEL CRYSTALS LTD.
FLTR1, FLTR3, FLTR5	AEL CRYSTALS LTD.
OSC2	AEL CRYSTALS LTD.
OSC1	AEL CRYSTALS LTD.
F6, F7, F8, F9	COILCRAFT
F4	ST MICROELECTRONICS
SK3	HIROSE
SK6, SK7	SELWYN
SK8	SELWYN
PL1	HIROSE
J1	SAMTEC
M3	FLEXTRONICS

	QUALITY PRODUCTS CHINA LTD.
	QUALITY PRODUCTS CHINA LTD.
	E JOHNSON & SON LTD.
	QUALITY PRODUCTS CHINA LTD.
	QUALITY PRODUCTS CHINA LTD.
	BEX DESIGN
	FLEX
	BEX DESIGN
	FLEX
	BEX DESIGN
	BEX DESIGN
	HARRISON SILVERDALE LTD.
	TR FASTENINGS
	POREX CORPORATION
	MOLEX

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010-0087	
RC0402FR-070RL	ROHM
RC0402FR-0727RL	ROHM
RC0402FR-07100RL	ROHM
RC0402FR-07470RL	ROHM
RC0402FR-0710KL	ROHM
RC0402FR-071ML	ROHM
GRM1555C1H102JA01D	
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MC1206B102K202CT	
BLM15AG102SN1	
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BC846B	
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UJ2-MIBH-4-SMT-TR	
171-0043	
501190-4017	
200-0185	VANILLA ELECTRONICS
011-0098	
010-0084	
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RC0402FR-071RL	ROHM
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RC0402FR-0722RL	ROHM
RC0402FR-0733RL	ROHM
RC0402FR-0747RL	ROHM
MCR01MZPF68R0	YAGEO
RC0402FR-07100RL	ROHM
RC0402FR-07150RL	ROHM
RC0402FR-07180RL	ROHM
RC0402FR-07220RL	ROHM

MCR01MZPF2700	YAGEO
RC0402FR-07330RL	ROHM
RC0402FR-07470RL	ROHM
RC0402FR-07680RL	ROHM
RC0402FR-071KL	ROHM
RC0402FR-071K2L	ROHM
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RC0402FR-071K8L	ROHM
RC0402FR-072K2L	ROHM
RC0402FR-072K7L	ROHM
RC0402FR-073K3L	ROHM
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RC0402FR-075K6L	ROHM
RC0402FR-078K2L	ROHM
RC0402FR-0710KL	ROHM
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MCR01MZPF1202	YAGEO
MCR01MZPF1502	YAGEO
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MCR01MZPF2202	YAGEO
MCR01MZPF2402	YAGEO
RC0402FR-0727KL	ROHM
RC0402FR-0730KL	ROHM
RC0402FR-0733KL	ROHM
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RC0402FR-0739KL	ROHM
RC0402FR-0747KL	ROHM
MCR01MZPF5102	YAGEO
RC0402FR-07100KL	ROHM
RC0402FR-07110KL	ROHM
RC0402FR-07330KL	ROHM
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WL05GT10N	COILCRAFT
WL05GT27N	COILCRAFT
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WL05GT47N	COILCRAFT
WL05GTR10	COILCRAFT
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0805CS-221XGLC	
0805CS-391XGLC	Viking Tech Corporation
WL05GTR82	COILCRAFT
0805LS-222XGLC	
SWI0805CT68NG	COILCRAFT
SWI0805CT47NG	COILCRAFT
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NPIS48LP1R0MTRF	COILCRAFT
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SMAJ11A	
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KP-1608SYC	
KP-1608QBC-F	
HCPL-050L-500E	
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BFR193 E6327	
BSS139 H6327	
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BF998	NXP SEMICONDUCTORS
RD01MUS2-T513	
RD07MUS2B-T512	
TLV70033DCKR	
TPS54040DGQR	
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ZEN056V130A24LS	
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D455K000S003	MURATA
S159M000000S001	
T19M200000S003	GOLLEDGE ELECTRONICS LTD.
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U.FL-R-SMT-1(10)	
KM-011307	
KM-010525	
DF13A-40DP-1.25V(82)	HIROSE
FTSH-110-01-L-DV	
200-0185	VANILLA ELECTRONICS

190-0150	
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RC0402FR-0715RL		
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MP07429		
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200-0185		

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