

6. Electrical Parts Lists

6-1 Main PBA

| SEC CODE | LOCATION NO. | Q'ty | DESCRIPTION |
|-------------|---|------|--|
| JC92-01258A | CONTROLLER PBA | 1 | PBA MAIN CTRL-LOW |
| 0105-001032 | TEST PAPER | 2 | PAPER-ART "75g,W210,-,WHITE,HANSOI,L297" |
| 0404-000112 | "D2,D6" | 2 | DIODE-SCHOTTKY"RB420D,25V,100mA,SOT-23,TP" |
| 0407-000101 | "D1,D3,D4,D5,D7,D8" | 6 | DIODE-ARRAY "DA204K,20V,100mA,C2-3,SOT-23,T" |
| 0801-001072 | U8 | 1 | IC-CMOS LOGIC"74ACT32,OR GATE,SOP,14P,150MIL" |
| 0803-000118 | U12 | 1 | IC-TTL "74F14,INVERTER,SOP,14P,150MIL," |
| 0803-000275 | U6 | 1 | IC-TTL "74F32,OR GATE,SOP,14P,150MIL,Q" |
| 0803-000468 | "U2,U10,U20" | 3 | IC-TTL "74LS273,D FLIP-FLOP,SOP,20P,30" |
| 0803-001393 | U19 | 1 | IC-TTL "7407,BUFFER/DRIVER,SOP,14P,150" |
| 0803-003058 | U24 | 1 | IC-TTL "74F1071,ESD,SOP,20P,-,TP,PLA" |
| 0904-001319 | U26 | 1 | IC-USC "USB9602-28M,8BIT,SOP,28P,300MIL,48MHZ,ST,-,PLASTIC,3.3V,-,0TO+70C,-,-,-,-," |
| 1006-000243 | "U1,U7" | 2 | IC-LINE TRANSCEIVER"74ACT245,SOP,20P,-,OCTAL,ST,PL" |
| 1103-000133 | U11 | 1 | IC-EEPROM "93C66,256x16BIT,SOP,8P,150MIL," |
| 1105-001213 | U3 | 1 | IC-DRAM "416C1204,1Mx16BIT,SOJ,42P,400M" |
| 1107-001121 | U33 | 1 | IC-FLASH MEMORY "29F800,1Mx8/512Kx16Bit,TSOP,48P,787MIL,70nS,5V,10%,PLASTIC,0to+70C,100uA,CMOS,ST" |
| 1203-000496 | U14 | 1 | IC-VOL. SUPERVISORY "7705,SOP,8P,150MIL,PLASTIC,20V" |
| 1203-001026 | "U15,U16" | 2 | IC-POSI.FIXED REG. "33269,DPAK,3P,265MIL,PLASTIC,3.37/3.33V,-,40TO+150C,800MA,-,ST" |
| 2007-000029 | "R136,R138,R152" | 3 | R-CHIP "00HM,5%,1/10W,DA,TP,2012" |
| 2007-000029 | "R3,R4,R24,R26,R30,R37,R96" | 7 | R-CHIP "00HM,5%,1/10W,DA,TP,2012" |
| 2007-000221 | R59 | 1 | R-CHIP "1.2KOHM,5%,1/10W,DA,TP,2012" |
| 2007-000241 | R124 | 1 | R-CHIP "1.5KOHM,5%,1/10W,DA,TP,2012" |
| 2007-000290 | "R28,R32,R76,R141,R143" | 5 | R-CHIP "100OHM,5%,1/10W,DA,TP,2012" |
| 2007-000300 | "R1,R5,R7,R8,R49,R52,R60,R63,R64" | 9 | R-CHIP "10KOHM,5%,1/10W,DA,TP,2012" |
| 2007-000300 | "R75,R146,R153" | 3 | R-CHIP "10KOHM,5%,1/10W,DA,TP,2012" |
| 2007-000308 | "R40,R50,R51,R66,R71,R74,R120" | 7 | R-CHIP "10OHM,5%,1/10W,DA,TP,2012" |
| 2007-000312 | R111 | 1 | R-CHIP "10OHM,5%,1/8W,DA,TP,3216" |
| 2007-000409 | R144 | 1 | R-CHIP "15KOHM,5%,1/10W,DA,TP,2012" |
| 2007-000449 | "R12,R147,R151" | 3 | R-CHIP "180OHM,5%,1/10W,DA,TP,2012" |
| 2007-000468 | R132 | 1 | R-CHIP "1KOHM,5%,1/10W,DA,TP,2012" |
| 2007-000468 | "R41,R56,R78,R79,R81,R83,R84,R86,R87,R89" | 10 | R-CHIP "1KOHM,5%,1/10W,DA,TP,2012" |
| 2007-000468 | "R93,R95,R100,R104,R105,R109,R115,R119" | 8 | R-CHIP "1KOHM,5%,1/10W,DA,TP,2012" |
| 2007-000493 | "R90,R97" | 2 | R-CHIP "2.2KOHM,5%,1/10W,DA,TP,2012" |
| 2007-000551 | "R112,R121" | 2 | R-CHIP "20OHM,5%,1/10W,DA,TP,2012" |
| 2007-000766 | R77 | 1 | R-CHIP "330OHM,5%,1/10W,DA,TP,2012" |
| 2007-000774 | "R6,R135" | 2 | R-CHIP "33KOHM,5%,1/10W,DA,TP,2012" |
| 2007-000781 | "R108,R114,R118" | 3 | R-CHIP "33OHM,5%,1/10W,DA,TP,2012" |
| 2007-000781 | "R19,R20,R21,R22,R23,R25,R27,R31,R34,R38" | 10 | R-CHIP "33OHM,5%,1/10W,DA,TP,2012" |
| 2007-000781 | "R2,R9,R10,R11,R13,R14,R15,R16,R17,R18" | 10 | R-CHIP "33OHM,5%,1/10W,DA,TP,2012" |

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|-------------|--|------|------------------|-------------------------------------|
| 2007-000781 | "R69,R70,R82,R88,R94,R99,R103,R106" | 8 | R-CHIP | "33OHM,5%,1/10W,DA,TP,2012" |
| 2007-000872 | R134 | 1 | R-CHIP | "4.7KOHM,5%,1/10W,DA,TP,2012" |
| 2007-000931 | "R47,R92" | 2 | R-CHIP | "470OHM,5%,1/10W,DA,TP,2012" |
| 2007-000964 | "R113,R117,R122,R126,R129,R130,R131" | 7 | R-CHIP | "5.1KOHM,5%,1/10W,DA,TP,2012" |
| 2007-000964 | R162 | 1 | R-CHIP | "5.1KOHM,5%,1/10W,DA,TP,2012" |
| 2007-000964 | "R46,R55,R58,R65,R67,R72,R98,R102,R107" | 9 | R-CHIP | "5.1KOHM,5%,1/10W,DA,TP,2012" |
| 2007-001133 | "R29,R33,R35,R36,R39,R42,R43,R44,R45,R54" | 10 | R-CHIP | "68OHM,5%,1/10W,DA,TP,2012" |
| 2007-001133 | "R57,R68,R80,R110" | 4 | R-CHIP | "68OHM,5%,1/10W,DA,TP,2012" |
| 2007-001216 | R91 | 1 | R-CHIP | "82OHM,5%,1/10W,DA,TP,2012" |
| 2007-007961 | R142 | 1 | R-CHIP | "1ohm,1%,1W,DA,TP,6432" |
| 2011-001094 | "RA1,RA2,RA3,RA4,RA5,RA6,RA7,RA8,RA9,RA10" | 10 | R-NETWORK | "39ohm,5%,63mW,L,CHIP,8P,TP" |
| 2011-001094 | "RA11,RA12,RA13,RA14,RA15,RA16,RA17" | 7 | R-NETWORK | "39ohm,5%,63mW,L,CHIP,8P,TP" |
| 2203-000192 | "C106,C121,C136,C140" | 4 | "C-CERAMIC,CHIP" | "100nF,+80-20%,50V,Y5V,TP,2012," |
| 2203-000192 | "C172,C173,C176,C177,C178,C179" | 6 | "C-CERAMIC,CHIP" | "100nF,+80-20%,50V,Y5V,TP,2012," |
| 2203-000192 | "C19,C23,C24,C26,C27,C28,C32,C41" | 8 | "C-CERAMIC,CHIP" | "100nF,+80-20%,50V,Y5V,TP,2012," |
| 2203-000192 | "C44,C47,C52,C56,C57,C58,C59" | 7 | "C-CERAMIC,CHIP" | "100nF,+80-20%,50V,Y5V,TP,2012," |
| 2203-000192 | "C5,C6,C7,C9,C10,C11,C15,C16,C18" | 9 | "C-CERAMIC,CHIP" | "100nF,+80-20%,50V,Y5V,TP,2012," |
| 2203-000192 | "C62,C63,C64,C65,C67,C68,C69,C71,C72,C73" | 10 | "C-CERAMIC,CHIP" | "100nF,+80-20%,50V,Y5V,TP,2012," |
| 2203-000192 | "C77,C78,C79,C80,C84,C85,C86,C88,C89,C90" | 10 | "C-CERAMIC,CHIP" | "100nF,+80-20%,50V,Y5V,TP,2012," |
| 2203-000192 | "C92,C94,C95,C96,C97,C98,C99,C102" | 8 | "C-CERAMIC,CHIP" | "100nF,+80-20%,50V,Y5V,TP,2012," |
| 2203-000239 | "C13,C17,C20,C25,C74,C141,C174,C175" | 8 | "C-CERAMIC,CHIP" | "0.1nF,5%,50V,NP0,TP,2012" |
| 2203-000239 | "C145,C152,C156,C164,C165,C166,C167" | 7 | "C-CERAMIC,CHIP" | "0.1nF,5%,50V,NP0,TP,2012" |
| 2203-000260 | "C161,C162,C180,C181,C182,C183" | 6 | "C-CERAMIC,CHIP" | "10nF,10%,50V,X7R,TP,2012" |
| 2203-000389 | "C53,C117,C143" | 3 | "C-CERAMIC,CHIP" | "0.015nF,5%,50V,NP0,TP,2012" |
| 2203-000455 | "C160,C168,C169,C170,C171,C186" | 6 | "C-CERAMIC,CHIP" | "1nF,5%,50V,NP0,TP,2012" |
| 2203-000455 | "C187,C188,C189,C190,C191,C192,C193,C194" | 8 | "C-CERAMIC,CHIP" | "1nF,5%,50V,NP0,TP,2012" |
| 2203-000455 | "C4,C14,C31,C37,C40,C66,C83,C109,C151" | 9 | "C-CERAMIC,CHIP" | "1nF,5%,50V,NP0,TP,2012" |
| 2203-000595 | "C114,C120,C126,C130,C135,C138,C142,C146" | 8 | "C-CERAMIC,CHIP" | "0.22nF,5%,50V,NP0,TP,2012" |
| 2203-000595 | "C127,C132" | 2 | "C-CERAMIC,CHIP" | "0.22nF,5%,50V,NP0,TP,2012" |
| 2203-000634 | "C101,C184" | 2 | "C-CERAMIC,CHIP" | "0.022nF,5%,50V,NP0,TP,2012" |
| 2203-000634 | "C115,C124,C131" | 3 | "C-CERAMIC,CHIP" | "0.022nF,5%,50V,NP0,TP,2012" |
| 2203-000784 | "C8,C22,C163" | 3 | "C-CERAMIC,CHIP" | "0.33nF,5%,50V,NP0,TP,2012" |
| 2203-000818 | "C21,C33,C34,C35,C36,C38,C39,C43,C45,C46" | 10 | "C-CERAMIC,CHIP" | "0.033nF,5%,50V,NP0,TP,2012" |
| 2203-000818 | "C48,C49,C61,C139" | 4 | "C-CERAMIC,CHIP" | "0.033nF,5%,50V,NP0,TP,2012" |
| 2203-000891 | C76 | 1 | "C-CERAMIC,CHIP" | "4.7nF,10%,50V,X7R,TP,2012" |
| 2203-000938 | "C113,C119,C125,C129,C134,C137,C185" | 7 | "C-CERAMIC,CHIP" | "0.47nF,5%,50V,NP0,TP,2012" |
| 2203-001002 | "C42,C70,C75,C81,C91,C110,C128" | 7 | "C-CERAMIC,CHIP" | "0.047nF,5%,50V,NP0,TP,2012" |
| 2203-001132 | C100 | 1 | "C-CERAMIC,CHIP" | "0.68nF,5%,50V,NP0,TP,2012" |
| 2203-001158 | C55 | 1 | "C-CERAMIC,CHIP" | "0.068nF,5%,50V,NP0,TP,2012" |
| 2402-000168 | C87 | 1 | "C-AL,SMD" | "100uF,20%,16V,GP,TP,8.3x8.3x6.3mm" |
| 2404-000128 | "C1,C2,C82,C105,C122,C158" | 6 | "C-TA,CHIP" | "10uF,20%,16V,-,TP,6032,-" |
| 2404-000468 | "C12,C54,C107,C108,C123,C133" | 6 | "C-TA,CHIP" | "33uF,20%,16V,GP,TP,7343,-" |
| 2804-001163 | OSC3 | 1 | OSCILLATOR-CLOCK | "20MHz,50ppm,10TTL & CMOS,ST,5V" |



Main PBA

| SEC CODE | LOCATION NO. | Q'ty | DESCRIPTION |
|-------------|-------------------------------|------|---|
| 2804-001278 | OSC2 | 1 | OSCILLATOR-CLOCK "48MHZ,100PPM,10 TTL & CMOS,ST,5V,40MA" |
| 2804-001348 | OSC1 | 1 | OSCILLATOR-CLOCK "45.032242MHz,100ppm,10TTL&CMOS,BK,5V,40mA" |
| 2901-000229 | "F1,F2,F5,F6,F7,F8,F9,F10" | 8 | FILTER-EMI SMD "50V,0.3A,-,22000pF,4.5x3.2x1.5mm,TP" |
| 2901-000229 | F11 | 1 | FILTER-EMI SMD "50V,0.3A,-,22000pF,4.5x3.2x1.5mm,TP" |
| 3301-000317 | "L11,L12,L13" | 3 | CORE-FERRITE BEAD "AB,2x1.25x0.9mm,-,-" |
| 3301-000317 | "L2,L3,L4,L5,L6,L7,L8,L9,L10" | 9 | CORE-FERRITE BEAD "AB,2x1.25x0.9mm,-,-" |
| 3702-000118 | CN8 | 1 | CONNECTOR-RIBBON "36P,FEMALE,ANGLE,AU" |
| 3711-002811 | CN5 | 1 | CONNECTOR-HEADER "BOX,10P,1R,2mm,STRAIGHT,SN" |
| 3711-002812 | CN6 | 1 | CONNECTOR-HEADER "BOX,11P,1R,2mm,STRAIGHT,SN" |
| 3711-002813 | CN2 | 1 | CONNECTOR-HEADER "BOX,12P,1R,2mm,STRAIGHT,SN" |
| 3711-003205 | CN9 | 1 | CONNECTOR-HEADER "BOX,4P,1R,2.0mm,STRAIGHT,SN" |
| 3711-003408 | CN12 | 1 | CONNECTOR-HEADER "BOX,2P,1R,2mm,STRAIGHT,SN" |
| 3711-003409 | CN13 | 1 | CONNECTOR-HEADER "BOX,3P,1R,2mm,STRAIGHT,SN" |
| 3711-003969 | CN11 | 1 | CONNECTOR-HEADER "BOX,2P,1R,2.5mm,STRAIGHT,SN" |
| 3711-003981 | CN3 | 1 | CONNECTOR-HEADER "BOX,28P,2R,2mm,STRAIGHT,SN" |
| 3722-001101 | CN7 | 1 | JACK-USB "4P/2C,8.38mm,AU,IVR,#22-28" |
| 4701-001020 | "U22,U23" | 2 | FREQ-ATTENUATOR "5-80MHz,15dB,-,0.03W" |
| JC13-00006A | U17 | 1 | IC ASIC- SPGPE+ "ML-6060,KS32C61200,QFP,240P,36.4x4" |
| JC41-00036A | HAWK CONTROLLER PCB | 1 | PCB-CTRL_6040A "ML-6040A,FR-4,4LAYER,1.6T,145X180MM" |



6-2 Engine PBA(110V)

| SEC CODE | LOCATION NO. | Q'ty | DESCRIPTION |
|-------------|-----------------------------|------|--|
| JC92-01187A | | | |
| 0401-000005 | "D1,2,3,5,6,7,8,9,506" | 9 | DIODE-SWITCHING "1N4148,100V,200MA,DO-35,TP" |
| 0402-000012 | D502 | 1 | DIODE-RECTIFIER "UF4007,1KV,1A,DO-41,TP" |
| 0402-000104 | BD502 | 1 | DIODE-BRIDGE "D3SBA60,600V,4A,-,ST" |
| 0402-000129 | "D4,D10,D505" | 3 | DIODE-RECTIFIER "1N4003,200V,1A,DO-41,TP" |
| 0402-000314 | D503 | 1 | DIODE-RECTIFIER "D10SC4M,40V,10A,ITO-220" |
| 0402-000351 | D501 | 1 | DIODE-RECTIFIER "1N4937,600V,1A,DO-41,TP" |
| 0501-000010 | "Q1,Q2,Q3,Q7,Q9" | 5 | TR-SMALL SIGNAL "KSC1008,NPN,800mW,TO-92,TP,120" |
| 0604-000001 | U503 | 1 | PHOTO-COUPLER "TR,50-60%,200mW,DIP-4,ST" |
| 0604-000146 | U501 | 1 | PHOTO-COUPLER "TRIAC,-,250mW,DIP-6,ST" |
| 0604-001211 | "U4,U554,U555" | 3 | PHOTO-INTERRUPTER "TR,-,200mW,DIP-4,ST" |
| 0801-001262 | U5 | 1 | IC-CMOS LOGIC "74HC4060,BINARY COUNTER,DIP,16" |
| 1003-001291 | U2 | 1 | IC-MOTOR DRIVER "A2918SWH,DIP,18P,1220MIL,-,+1.5A,ST,PLASTIC,-,-20to+85C,20W,45V,-" |
| 1202-000103 | U3 | 1 | IC-VOLTAGE COMP. "393,DIP,8P,300MIL,DUAL,36V,CMO" |
| 1203-000002 | U504 | 1 | IC-POSI.ADJUST REG. "431,TO-92,3P,-,PLASTIC,2.44/2." |
| 1404-000167 | TH501 | 1 | THERMISTOR-NTC "5ohm,10%,3150K,18.7mW/C,TP" |
| 1405-000125 | TNR502 | 1 | VARISTOR "220V,4500A,17x4.2mm,TP" |
| 1405-000147 | TNR501 | 1 | VARISTOR "470V,4500A,17x12mm,BK" |
| 2001-000021 | R512 | 1 | R-CARBON "27OHM,5%,1/4W,AA,TP,2.4X6.4MM" |
| 2001-000027 | R504 | 1 | R-CARBON "100OHM,5%,1/4W,AA,TP,2.4X6.4MM" |
| 2001-000045 | R63 | 1 | R-CARBON "1.8KOHM,5%,1/4W,AA,TP,2.4X6.4MM" |
| 2001-000058 | R529 | 1 | R-CARBON "5.6KOHM,5%,1/4W,AA,TP,2.4X6.4MM" |
| 2001-000071 | R507 | 1 | R-CARBON "22KOHM,5%,1/4W,AA,TP,2.4X6.4MM" |
| 2001-000105 | "R16,R528" | 2 | R-CARBON "1.5KOHM,5%,1/4W,AA,TP,2.4X6.4MM" |
| 2001-000119 | R516 | 1 | R-CARBON "680OHM,5%,1/4W,AA,TP,2.4X6.4MM" |
| 2001-000281 | "R2,3,7,8,9,20,21,54,58,61" | 10 | R-CARBON "100OHM,5%,1/8W,AA,TP,1.8X3.2MM" |
| 2001-000281 | R527 | 1 | R-CARBON "100OHM,5%,1/8W,AA,TP,1.8X3.2MM" |
| 2001-000290 | R49 | 1 | R-CARBON "10KOHM,5%,1/8W,AA,TP,1.8X3.2MM" |
| 2001-000362 | "R29,R31,R51,R525" | 4 | R-CARBON "150OHM,5%,1/8W,AA,TP,1.8X3.2MM" |
| 2001-000429 | "R25,R45,R50,R56" | 4 | R-CARBON "1KOHM,5%,1/8W,AA,TP,1.8X3.2MM" |
| 2001-000435 | R60 | 1 | R-CARBON "1MOHM,5%,1/8W,AA,TP,1.8X3.2MM" |
| 2001-000436 | J555 | 1 | R-CARBON "0OHM,5%,1/4W,AA,TP,2.4X6.4MM" |
| 2001-000537 | "R46,R47" | 2 | R-CARBON "24KOHM,5%,1/4W,AA,TP,2.4X6.4MM" |
| 2001-000588 | R514 | 1 | R-CARBON "3.3KOHM,5%,1/4W,AA,TP,2.4X6.4MM" |
| 2001-000613 | R65 | 1 | R-CARBON "3.9KOHM,5%,1/8W,AA,TP,1.8X3.2MM" |
| 2001-000793 | R68 | 1 | R-CARBON "47OHM,5%,1/8W,AA,TP,1.8X3.2MM" |
| 2001-000812 | "R5,10,11,12,22,64,67,520" | 8 | R-CARBON "5.6KOHM,5%,1/8W,AA,TP,1.8X3.2MM" |
| 2001-000832 | "R13,R32,R521" | 3 | R-CARBON "510OHM,5%,1/8W,AA,TP,1.8X3.2MM" |
| 2001-000876 | R57 | 1 | R-CARBON "6.2KOHM,5%,1/4W,AA,TP,2.4X6.4MM" |
| 2001-001150 | "R501,R505" | 2 | R-CARBON(S) "470KOHM,5%,1/2W,AA,TP,2.4X6.4MM" |
| 2003-000455 | R513 | 1 | R-METAL OXIDE(S) "100ohm,5%,2W,AA,TP,4x12mm" |
| 2003-000706 | R511 | 1 | R-METAL OXIDE(S) "47Kohm,5%,2W,AA,TP,4.3x12mm" |
| 2003-000767 | R519 | 1 | R-METAL OXIDE(S) "680ohm,5%,2W,AA,TP,4x12mm" |

Engine PBA(110V)

| SEC CODE | LOCATION NO. | Q'ty | DESCRIPTION |
|-------------|----------------------------------|------|--|
| 2003-002190 | "R509,R510" | 2 | R-METAL OXIDE(S) "47Kohm,5%,1W,T,TP,2.6x6.0mm" |
| 2004-000345 | "R4,R28,R30,R52,R526" | 5 | R-METAL "15Kohm,1%,1/8W,AA,TP,1.8x3.2mm" |
| 2004-000432 | R517 | 1 | R-METAL "1Kohm,1%,1/4W,AA,TP,2.4x6.4mm" |
| 2004-000481 | R515 | 1 | R-METAL "2.4Kohm,1%,1/4W,AA,TP,2.4x6.4mm" |
| 2004-000699 | "R40,R69" | 2 | R-METAL "3.3Kohm,1%,1/8W,AA,TP,1.8x3.2mm" |
| 2004-004006 | R518 | 1 | R-METAL "2.3Kohm,1%,1/4W,AA,TP,2.4x6.4mm" |
| 2005-000168 | R506 | 1 | "R-WIRE WOUND,NON" "0.22ohm,5%,2W,AA,BK,4x12mm" |
| 2005-001058 | "R44,R48" | 2 | R-WIRE WOUND "0.39ohm,1%,1W,AA,TP,4.3x12mm" |
| 2008-001071 | R503 | 1 | R-FUSIBLE(S) "180ohm,5%,1W,AA,TP,3.3x9.0mm" |
| 2008-001072 | R502 | 1 | R-FUSIBLE(S) "120ohm,5%,1W,AA,TP,3.3x9mm" |
| 2201-000017 | "C20,C25,C27,C32" | 4 | "C-CERAMIC,DISC" "1nF,10%,50V,Y5P,TP,5x3.5,5" |
| 2201-000019 | "C24,C502" | 2 | "C-CERAMIC,DISC" "10nF,+80-20%,500V,Y5V,TP,13.5x4mm,5" |
| 2201-000119 | "C5,12,13,23,33,508,513,519,520" | 9 | "C-CERAMIC,DISC" "100nF,+80-20%,50V,Y5V,TP,8x3,5" |
| 2201-000119 | "C523,C524,C525" | 3 | "C-CERAMIC,DISC" "100nF,+80-20%,50V,Y5V,TP,8x3,5" |
| 2201-000391 | "C29,C30" | 2 | "C-CERAMIC,DISC" "0.022nF,5%,50V,SL,TP,5x3,5" |
| 2201-000469 | "C18,C19,C521,C522" | 4 | "C-CERAMIC,DISC" "0.33nF,10%,500V,Y5P,TP,5.5x3,5" |
| 2201-002071 | "C503,C504,C506" | 3 | "C-CERAMIC,DISC" "2.2nF,20%,400V,Y5U,TP,12x7,10" |
| 2202-000121 | "C31,526,527,528,529" | 5 | "C-CERAMIC,MLC-AXIAL" "100pF,10%,50V,Y5P,TP,1.9x3.5,-" |
| 2301-000010 | C516 | 1 | "C-FILM,PEF" "100nF,5%,100V,TP,11.5x12.5mm,5" |
| 2301-000323 | "C501,C505" | 2 | "C-FILM,PEF" "220NF,20%,275V,TP,18X8.5X26MM,22.5" |
| 2301-001340 | C509 | 1 | "C-FILM,MPPF" "10nF,10%,630V,TP,16x5.5x10.5mm,7.5" |
| 2401-000183 | "C517,C518" | 2 | C-AL "1000uF,20%,35V,WT,TP,12.5x25,5" |
| 2401-000603 | C512 | 1 | C-AL "1uF,20%,50V,GP,TP,5x11,5" |
| 2401-000698 | C515 | 1 | C-AL "2200uF,20%,16V,WT,TP,12.5x25,5" |
| 2401-001197 | C510 | 1 | C-AL "33uF,20%,50V,GP,TP,6.3x7,-" |
| 2401-001695 | C507 | 1 | C-AL "220uF,20%,200V,WT,BK,22x25,10" |
| 2401-002144 | C17 | 1 | C-AL "47uF,20%,16V,GP,TP,5x11,5" |
| 2401-002300 | "C16,C28" | 2 | C-AL "47uF,20%,50V,GP,TP,6.3x11,5" |
| 2401-002420 | C514 | 1 | C-AL "470uF,20%,16V,GP,TP,10x12,5mm" |
| 2801-003885 | OSC1 | 1 | CRYSTAL-UNIT "6.81984MHz,30ppm,28-AAM,20pF,75ohm,TP" |
| 3301-000344 | "BD1,BD3,BD10" | 3 | CORE-FERRITE BEAD "AA,-,3.5x0.6x6.5mm,-,Mn-Zn,-" |
| 3301-001015 | "BD504,JS503" | 2 | CORE-FERRITE BEAD "AA,70ohm,3.6x0.65x5mm,7000mA,TP,FERRITE,0.01ohm" |
| 3601-000157 | F501 | 1 | FUSE-CARTRIDGE "125V,8A,SLOW-BLOW,GLASS,5.2x20mm" |
| 3602-000001 | "FC1,FC2" | 2 | FUSE-CLIP "-,-,30mohm" |
| 3711-000028 | CN3 | 1 | CONNECTOR-HEADER "BOX,4P,1R,2mm,STRAIGHT,SN" |
| 3711-000217 | CN501 | 1 | CONNECTOR-HEADER "1WALL,3P,1R,3.96mm,STRAIGHT,SN" |
| 3711-002806 | CN1 | 1 | CONNECTOR-HEADER "BOX,5P,1R,2mm,STRAIGHT,SN" |
| 3711-002809 | CN5 | 1 | CONNECTOR-HEADER "BOX,8P,1R,2mm,STRAIGHT,SN" |
| 3711-003359 | CN14 | 1 | CONNECTOR-HEADER "BOX,10P,1R,2.5mm,STRAIGHT,SN" |
| 3711-003409 | "CN6,CN504" | 2 | CONNECTOR-HEADER "BOX,3P,1R,2mm,STRAIGHT,SN" |
| 3711-003968 | CN503 | 1 | CONNECTOR-HEADER "BOX,3P,1R,2.5mm,STRAIGHT,SN" |
| 3711-003981 | CN8 | 1 | CONNECTOR-HEADER "BOX,28P,2R,2mm,STRAIGHT,SN" |

Engine PBA(110V)

| SEC CODE | LOCATION NO. | Q'ty | DESCRIPTION |
|-------------|--------------------------------|------|---|
| 3711-004443 | CN502 | 1 | CONNECTOR-HEADER "1WALL,2P,1R,7.92mm,STRAIGHT,SN" |
| JC26-00002A | T501 | 1 | TRANS POWER-SW_V1"ML-5200A,110V,-" |
| JC27-00001A | LF501 | 1 | COIL FILTER-SQ2828 "ML-5200A,18.0mH,0.20ohm,58T" |
| JC27-00002A | LF502 | 1 | COIL FILTER-SQ2116 "ML-5200A,4.8mH,0.43ohm,45T" |
| JC27-60101A | L501 | 1 | COIL FILTER- "-,300UH,-,-" |
| JC27-60101B | L503 | 1 | COIL FILTER- "-,9UH,-,-" |
| JC27-60101C | L502 | 1 | COIL FILTER- "-,6UH,-,-" |
| JC33-10501B | L553 | 1 | SOLENOID-6000 "ML-6000,24VDC,72W,57,39X39X22," |
| JC39-40511A | "BD501,BD505,R508" | 3 | CBF HARNESS- "ML-80,JUMPER,AWG22,52mm,SILVER" |
| JC39-40511A | "J3,4,17,18,22,25,26,27,28,31" | 10 | CBF HARNESS- "ML-80,JUMPER,AWG22,52mm,SILVER" |
| JC39-40511A | "J41,J42,J43,J49,J54,J55," | 10 | CBF HARNESS- "ML-80,JUMPER,AWG22,52mm,SILVER" |
| JC39-40511A | "J67,J68,J69,J71" | 10 | CBF HARNESS- "ML-80,JUMPER,AWG22,52mm,SILVER" |
| JC39-40511A | "J501~J508" | 7 | CBF HARNESS- "ML-80,JUMPER,AWG22,52mm,SILVER" |
| JC39-40511A | "J511,J512,J513" | 6 | CBF HARNESS- "ML-80,JUMPER,AWG22,52mm,SILVER" |
| JC39-40511A | "J522,J525,J526" | 6 | CBF HARNESS- "ML-80,JUMPER,AWG22,52mm,SILVER" |
| JC39-40511A | "J528,J529,J531" | 6 | CBF HARNESS- "ML-80,JUMPER,AWG22,52mm,SILVER" |
| JC39-40511A | "J532,J533,J535,J536,J538" | 6 | CBF HARNESS- "ML-80,JUMPER,AWG22,52mm,SILVER" |
| JC39-40511A | "J540,J541,J543,J544" | 6 | CBF HARNESS- "ML-80,JUMPER,AWG22,52mm,SILVER" |
| JC39-40511A | "J545~J552" | 8 | CBF HARNESS- "ML-80,JUMPER,AWG22,52mm,SILVER" |
| JC39-40511A | "J553~J560" | 8 | CBF HARNESS- "ML-80,JUMPER,AWG22,52mm,SILVER" |
| JC39-40511A | "J561,J565,J574~J578" | 7 | CBF HARNESS- "ML-80,JUMPER,AWG22,52mm,SILVER" |
| JC39-40511A | "J72,J82,J83,J85~J89,J91,J92" | 10 | CBF HARNESS- "ML-80,JUMPER,AWG22,52mm,SILVER" |
| JC39-40511A | "J93,J564,J567,J569,J570,J572" | 6 | CBF HARNESS- "ML-80,JUMPER,AWG22,52mm,SILVER" |
| JC41-00038A | PCB-HAWK ENGINE | 1 | PCB-HAWK ENGINE "ML-6040A,FR-1,1LAYER,1.6T,246.5x213.5mm" |
| JC96-01935A | | 1 | ELA UNIT-HEAT-SINK (1020CF) "ML-5000A,SAMSUNG,KOREA,-,-,-,-" |
| 0402-000304 | | 1 | DIODE-RECTIFIER "STPR1020CF,200V,5A,TO-220,ST" |
| 6003-000119 | | 1 | SCREW-TAPTITE "BH,+,B,M3,L8,CBLACK,SWRCH18A" |
| JC62-30908A | | 1 | HEAT SINK-SMPS"ML-5000,AL,ANODIZING" |
| JC96-01936A | | 1 | ELA UNIT-HEAT-SINK (6060) "ML-5000A,SAMSUNG,KOREA,-,-,-,-" |
| 1203-001721 | | 1 | IC-PWM CONTROLLER "STR-G6153T,TO-220,5P,140MIL,PLASTIC,-,1.5W NO HEATSINK,-20TO +120C,8A,-,ST" |
| 6003-000119 | | 1 | SCREW-TAPTITE "BH,+,B,M3,L8,CBLACK,SWRCH18A" |
| JC62-00001A | | 1 | HEAT SINK-FET "ML-6060,A6063,SILVER" |
| JC96-01946A | | 1 | ELA UNIT-HEAT-SINK (600CW) "ML-5000A,SAMSUNG,KOREA,-,-,-,-" |
| 1401-000108 | | 1 | THYRISTOR-TRIAC "100A,600V,-,5V/uS,TO-220AB" |
| 6003-000269 | | 1 | SCREW-TAPTITE "BH,+,S,M3,L6,ZPC(YEL),SWRCH18A" |
| JF62-30201A | | 1 | HEAT SINK "HVPS,SPCC,t1.0" |

6-3 Engine PBA(220V)

| SEC CODE | LOCATION NO. | Q'ty | DESCRIPTION |
|-------------|----------------------------|------|--|
| JC92-01190A | | | |
| 0401-000005 | "D1~D3,D5~D9,D506" | 9 | DIODE-SWITCHING "1N4148,100V,200MA,DO-35,TP" |
| 0402-000012 | D502 | 1 | DIODE-RECTIFIER "UF4007,1KV,1A,DO-41,TP" |
| 0402-000104 | BD502 | 1 | DIODE-BRIDGE "D3SBA60,600V,4A,-,ST" |
| 0402-000129 | "D4,D10,D505" | 3 | DIODE-RECTIFIER "1N4003,200V,1A,DO-41,TP" |
| 0402-000314 | D503 | 1 | DIODE-RECTIFIER "D10SC4M,40V,10A,ITO-220" |
| 0402-000351 | D501 | 1 | DIODE-RECTIFIER "1N4937,600V,1A,DO-41,TP" |
| 0501-000010 | "Q1,Q2,Q3,Q7,Q9" | 5 | TR-SMALL SIGNAL "KSC1008,NPN,800mW,TO-92,TP,120" |
| 0604-000142 | U503 | 1 | PHOTO-COUPLER "TR,-,200mW,DIP-4,ST" |
| 0604-000146 | U501 | 1 | PHOTO-COUPLER "TRIAC,-,250mW,DIP-6,ST" |
| 0604-001211 | "U4,U554,U555" | 3 | PHOTO-INTERRUPTER"TR,-,200mW,DIP-4,ST" |
| 0801-001262 | U5 | 1 | IC-CMOS LOGIC "74HC4060,BINARY COUNTER,DIP,16" |
| 1003-001291 | U2 | 1 | IC-MOTOR DRIVER "A2918SWH,DIP,18P,1220MIL,-,+1.5A,ST,PLASTIC,-,-20to+85C,20W,45V,-" |
| 1202-000103 | U3 | 1 | IC-VOLTAGE COMP. "393,DIP,8P,300MIL,DUAL,36V,CMO" |
| 1203-000002 | U504 | 1 | IC-POSI.ADJUST REG. "431,TO-92,3P,-,PLASTIC,2.44/2." |
| 1404-000167 | TH501 | 1 | THERMISTOR-NTC "5ohm,10%,3150K,18.7mW/C,TP" |
| 1405-000147 | TNR502 | 1 | VARISTOR "470V,4500A,17x12mm,BK" |
| 2001-000021 | R512 | 1 | R-CARBON "27OHM,5%,1/4W,AA,TP,2.4X6.4MM" |
| 2001-000045 | R63 | 1 | R-CARBON "1.8KOHM,5%,1/4W,AA,TP,2.4X6.4MM" |
| 2001-000058 | R529 | 1 | R-CARBON "5.6KOHM,5%,1/4W,AA,TP,2.4X6.4MM" |
| 2001-000071 | R507 | 1 | R-CARBON "22KOHM,5%,1/4W,AA,TP,2.4X6.4MM" |
| 2001-000105 | "R16,R528" | 2 | R-CARBON "1.5KOHM,5%,1/4W,AA,TP,2.4X6.4MM" |
| 2001-000119 | R516 | 1 | R-CARBON "680OHM,5%,1/4W,AA,TP,2.4X6.4MM" |
| 2001-000281 | "R2,R3,R7,R8,R9,R20,R21" | 10 | R-CARBON "100OHM,5%,1/8W,AA,TP,1.8X3.2MM" |
| 2001-000281 | R527,R54,R58,R61 | 1 | R-CARBON "100OHM,5%,1/8W,AA,TP,1.8X3.2MM" |
| 2001-000290 | R49 | 1 | R-CARBON "10KOHM,5%,1/8W,AA,TP,1.8X3.2MM" |
| 2001-000362 | "R29,R31,R51,R525" | 4 | R-CARBON "150OHM,5%,1/8W,AA,TP,1.8X3.2MM" |
| 2001-000429 | "R25,R45,R50,R56" | 4 | R-CARBON "1KOHM,5%,1/8W,AA,TP,1.8X3.2MM" |
| 2001-000435 | R60 | 1 | R-CARBON "1MOHM,5%,1/8W,AA,TP,1.8X3.2MM" |
| 2001-000436 | J555 | 1 | R-CARBON "0OHM,5%,1/4W,AA,TP,2.4X6.4MM" |
| 2001-000525 | R504 | 1 | R-CARBON "22OHM,5%,1/4W,AA,TP,2.4X6.4MM" |
| 2001-000537 | "R46,R47" | 2 | R-CARBON "24KOHM,5%,1/4W,AA,TP,2.4X6.4MM" |
| 2001-000588 | R514 | 1 | R-CARBON "3.3KOHM,5%,1/4W,AA,TP,2.4X6.4MM" |
| 2001-000613 | R65 | 1 | R-CARBON "3.9KOHM,5%,1/8W,AA,TP,1.8X3.2MM" |
| 2001-000793 | R68 | 1 | R-CARBON "47OHM,5%,1/8W,AA,TP,1.8X3.2MM" |
| 2001-000812 | "R5,10,11,12,22,64,67,520" | 8 | R-CARBON "5.6KOHM,5%,1/8W,AA,TP,1.8X3.2MM" |
| 2001-000832 | "R13,R32,R521" | 3 | R-CARBON "510OHM,5%,1/8W,AA,TP,1.8X3.2MM" |
| 2001-000876 | R57 | 1 | R-CARBON "6.2KOHM,5%,1/4W,AA,TP,2.4X6.4MM" |
| 2001-001150 | "R501,R505" | 2 | R-CARBON(S) "470KOHM,5%,1/2W,AA,TP,2.4X6.4MM" |
| 2003-000455 | R513 | 1 | R-METAL OXIDE(S) "100ohm,5%,2W,AA,TP,4x12mm" |
| 2003-000706 | R511 | 1 | R-METAL OXIDE(S) "47Kohm,5%,2W,AA,TP,4.3x12mm" |
| 2003-000767 | R519 | 1 | R-METAL OXIDE(S) "680ohm,5%,2W,AA,TP,4x12mm" |

Engine PBA(220V)

| SEC CODE | LOCATION NO. | Q'ty | DESCRIPTION |
|-------------|---------------------------|------|---|
| 2003-002123 | "R509,R510" | 2 | R-METAL OXIDE(S) "100Kohm,5%,1W,AA,TP,2.5x6.5mm" |
| 2004-000345 | "R4,R28,R30,R52,R526" | 5 | R-METAL "15Kohm,1%,1/8W,AA,TP,1.8x3.2mm" |
| 2004-000432 | R517 | 1 | R-METAL "1Kohm,1%,1/4W,AA,TP,2.4x6.4mm" |
| 2004-000481 | R515 | 1 | R-METAL "2.4Kohm,1%,1/4W,AA,TP,2.4x6.4m" |
| 2004-000699 | "R40,R69" | 2 | R-METAL "3.3Kohm,1%,1/8W,AA,TP,1.8x3.2mm" |
| 2004-004006 | R518 | 1 | R-METAL "2.3Kohm,1%,1/4W,AA,TP,2.4x6.4m" |
| 2005-001058 | "R44,R48" | 2 | R-WIRE WOUND "0.39ohm,1%,1W,AA,TP,4.3x12mm" |
| 2005-001114 | R506 | 1 | "R-WIRE WOUND,NON""0.44ohm,5%,2W,AA,TP,3.8x11mm" |
| 2008-001071 | R503 | 1 | R-FUSIBLE(S) "180ohm,5%,1W,AA,TP,3.3x9.0mm" |
| 2008-001072 | R502 | 1 | R-FUSIBLE(S) "120ohm,5%,1W,AA,TP,3.3x9mm" |
| 2201-000017 | "C20,C25,C27,C32" | 4 | "C-CERAMIC,DISC" "1nF,10%,50V,Y5P,TP,5x3.5,5" |
| 2201-000019 | "C24,C502,C513,C519,C520" | 2 | "C-CERAMIC,DISC" "10nF,+80-20%,500V,Y5V,TP,13.5x4mm,5" |
| 2201-000119 | "C5,C12,C13,C23,C33,C508" | 9 | "C-CERAMIC,DISC" "100nF,+80-20%,50V,Y5V,TP,8x3,5" |
| 2201-000119 | "C523,C524,C525" | 3 | "C-CERAMIC,DISC" "100nF,+80-20%,50V,Y5V,TP,8x3,5" |
| 2201-000391 | "C29,C30" | 2 | "C-CERAMIC,DISC" "0.022nF,5%,50V,SL,TP,5x3,5" |
| 2201-000469 | "C18,C19,C521,C522" | 4 | "C-CERAMIC,DISC" "0.33nF,10%,500V,Y5P,TP,5.5x3,5" |
| 2201-002071 | "C503,C504,C506" | 3 | "C-CERAMIC,DISC" "2.2nF,20%,400V,Y5U,TP,12x7,10" |
| 2202-000121 | "C31,C526,C527,C528,C529" | 5 | "C-CERAMIC,MLC-AXIAL""100pF,10%,50V,Y5P,TP,1.9x3.5,-" |
| 2301-000010 | C516 | 1 | "C-FILM,PEF" "100nF,5%,100V,TP,11.5x12.5mm,5" |
| 2301-000323 | "C501,C505" | 2 | "C-FILM,PEF" "220NF,20%,275V,TP,18X8.5X26MM,22.5" |
| 2301-001340 | C509 | 1 | "C-FILM,MPPF" "10nF,10%,630V,TP,16x5.5x10.5mm,7.5" |
| 2401-000183 | "C517,C518" | 2 | C-AL "1000uF,20%,35V,WT,TP,12.5x25,5" |
| 2401-000532 | C507 | 1 | C-AL "150uF,20%,400V,GP,BK,22x35,10" |
| 2401-000603 | C512 | 1 | C-AL "1uF,20%,50V,GP,TP,5x11,5" |
| 2401-000698 | C515 | 1 | C-AL "2200uF,20%,16V,WT,TP,12.5x25,5" |
| 2401-001197 | C510 | 1 | C-AL "33uF,20%,50V,GP,TP,6.3x7,-" |
| 2401-002144 | C17 | 1 | C-AL "47uF,20%,16V,GP,TP,5x11,5" |
| 2401-002300 | "C16,C28" | 2 | C-AL "47uF,20%,50V,GP,TP,6.3x11,5" |
| 2401-002420 | C514 | 1 | C-AL "470uF,20%,16V,GP,TP,10x12,5mm" |
| 2801-003885 | OSC1 | 1 | CRYSTAL-UNIT "6.81984MHz,30ppm,28-AAM,20pF,75ohm,TP" |
| 3301-000344 | "BD1,BD3,BD10" | 3 | CORE-FERRITE BEAD "AA,-,3.5x0.6x6.5mm,-,-,Mn-Zn,-" |
| 3301-001015 | "BD504,JS503" | 2 | CORE-FERRITE BEAD "AA,70ohm,3.6x0.65x5mm,7000mA,TP,FERRITE,0.01ohm" |
| 3601-000296 | F501 | 1 | FUSE-CARTRIDGE "250V,5A,TIME-LAG,CERAMIC,5.2x20mm" |
| 3602-000001 | "FC1,FC2" | 2 | FUSE-CLIP "-,-,30mohm" |
| 3711-000028 | CN3 | 1 | CONNECTOR-HEADER"BOX,4P,1R,2mm,STRAIGHT,SN" |
| 3711-000217 | CN501 | 1 | CONNECTOR-HEADER"1WALL,3P,1R,3.96mm,STRAIGHT,SN" |
| 3711-002806 | CN1 | 1 | CONNECTOR-HEADER"BOX,5P,1R,2mm,STRAIGHT,SN" |
| 3711-002809 | CN5 | 1 | CONNECTOR-HEADER"BOX,8P,1R,2mm,STRAIGHT,SN" |
| 3711-003359 | CN14 | 1 | CONNECTOR-HEADER"BOX,10P,1R,2.5mm,STRAIGHT,SN" |
| 3711-003409 | "CN6,CN504" | 2 | CONNECTOR-HEADER"BOX,3P,1R,2mm,STRAIGHT,SN" |
| 3711-003968 | CN503 | 1 | CONNECTOR-HEADER"BOX,3P,1R,2.5mm,STRAIGHT,SN" |
| 3711-003981 | CN8 | 1 | CONNECTOR-HEADER"BOX,28P,2R,2mm,STRAIGHT,SN" |
| 3711-004443 | CN502 | 1 | CONNECTOR-HEADER"1WALL,2P,1R,7.92mm,STRAIGHT,SN" |

Engine PBA(220V)

| SEC CODE | LOCATION NO. | Q'ty | DESCRIPTION |
|-------------|---------------------------------|------|---|
| JC26-00003A | T501 | 1 | TRANS POWER-SW_V2"ML-5200A,220V,-" |
| JC27-00001A | LF501 | 1 | COIL FILTER-SQ2828 "ML-5200A,18.0mH,0.20ohm,58T" |
| JC27-00002A | LF502 | 1 | COIL FILTER-SQ2116 "ML-5200A,4.8mH,0.43ohm,45T" |
| JC27-60101A | L501 | 1 | COIL FILTER- "-,300UH,-,-" |
| JC27-60101B | L503 | 1 | COIL FILTER- "-,9UH,-,-" |
| JC27-60101C | L502 | 1 | COIL FILTER- "-,6UH,-,-" |
| JC33-10501B | L553 | 1 | SOLENOID-6000 "ML-6000,24VDC,72W,57,39X39X22," |
| JC39-40511A | "BD501,BD505,R508" | 3 | CBF HARNESS- "ML-80,JUMPER,AWG22,52mm,SILVER" |
| JC39-40511A | "J3,J4,J17,J18,J22" | 3 | CBF HARNESS- "ML-80,JUMPER,AWG22,52mm,SILVER" |
| JC39-40511A | "J25,J26,J27,J28,J31" | 10 | CBF HARNESS- "ML-80,JUMPER,AWG22,52mm,SILVER" |
| JC39-40511A | "J41,J42,J43,J49,J54" | 10 | CBF HARNESS- "ML-80,JUMPER,AWG22,52mm,SILVER" |
| JC39-40511A | "J55,J67,J68,J69,J71" | 10 | CBF HARNESS- "ML-80,JUMPER,AWG22,52mm,SILVER" |
| JC39-40511A | "J501~J509" | 8 | CBF HARNESS- "ML-80,JUMPER,AWG22,52mm,SILVER" |
| JC39-40511A | "J511,J512,J513,J522,J525,J526" | 6 | CBF HARNESS- "ML-80,JUMPER,AWG22,52mm,SILVER" |
| JC39-40511A | "J528,J529,J531,J532,J533,J535" | 6 | CBF HARNESS- "ML-80,JUMPER,AWG22,52mm,SILVER" |
| JC39-40511A | "J536,J538,J540,J541" | 6 | CBF HARNESS- "ML-80,JUMPER,AWG22,52mm,SILVER" |
| JC39-40511A | "J543,J544,J564" | 7 | CBF HARNESS- "ML-80,JUMPER,AWG22,52mm,SILVER" |
| JC39-40511A | "J545~J552" | 8 | CBF HARNESS- "ML-80,JUMPER,AWG22,52mm,SILVER" |
| JC39-40511A | "J553,J554,J556~J560" | 7 | CBF HARNESS- "ML-80,JUMPER,AWG22,52mm,SILVER" |
| JC39-40511A | "J561,J567,J570,J572,J574,J575" | 6 | CBF HARNESS- "ML-80,JUMPER,AWG22,52mm,SILVER" |
| JC39-40511A | "J72,J82,J83,J85,J86" | 8 | CBF HARNESS- "ML-80,JUMPER,AWG22,52mm,SILVER" |
| JC39-40511A | "J87,J88,J89,J91,J92" | 10 | CBF HARNESS- "ML-80,JUMPER,AWG22,52mm,SILVER" |
| JC39-40511A | "J93,J565,J576,J577,J578" | 5 | CBF HARNESS- "ML-80,JUMPER,AWG22,52mm,SILVER" |
| JC41-00038A | PCB-HAWK ENGINE | 1 | PCB-HAWK ENGINE "ML-6040A,FR-1,1LAYER,1.6T,246.5x213.5mm" |
| JC96-01935A | | 1 | ELA UNIT-HEAT-SINK (1020CF)"ML-5000A,SAMSUNG,KOREA,-,-,-,-" |
| 0402-000304 | | 1 | DIODE-RECTIFIER "STPR1020CF,200V,5A,TO-220,ST" |
| 6003-000119 | | 1 | SCREW-TAPTITE "BH,+,B,M3,L8,CBLACK,SWRCH18A" |
| JC62-30908A | | 1 | HEAT SINK-SMPS "ML-5000,AL,ANODIZING" |
| JC96-01936A | | 1 | ELA UNIT-HEAT-SINK (6060)"ML-5000A,SAMSUNG,KOREA,-,-,-,-" |
| 1203-001721 | | 1 | IC-PWM CONTROLLER "STR-G6153T,TO-220,5P,140MIL,PLASTIC,-,1.5W NO HEATSINK,-20TO +120C,8A,-,ST" |
| 6003-000119 | | 1 | SCREW-TAPTITE "BH,+,B,M3,L8,CBLACK,SWRCH18A" |
| JC62-00001A | | 1 | HEAT SINK-FET "ML-6060,A6063,SILVER" |
| JC96-01946A | | 1 | ELA UNIT-HEAT-SINK (600CW)"ML-5000A,SAMSUNG,KOREA,-,-,-,-" |
| 1401-000108 | | 1 | THYRISTOR-TRIAC "100A,600V,-,5V/uS,TO-220AB" |
| 6003-000269 | | 1 | SCREW-TAPTITE "BH,+,S,M3,L6,ZPC(YEL),SWRCH18A" |
| JF62-30201A | | 1 | HEAT SINK "HVPS,SPCC,t1.0" |

6-4 Others

| SEC CODE | LOCATION NO. | Q'ty | DESCRIPTION |
|--------------------|------------------------|------|--|
| | | | PBA SUB-PANEL_II |
| 0601-000161 | "LED1,LED5" | 2 | LED "ROUND,GRN,5mm,563nm" |
| 0601-000255 | LED4 | 1 | LED "ROUND,RED,5mm,700nm" |
| 0601-000304 | "LED2,LED3" | 2 | LED "ROUND,YEL,5mm,585nm" |
| 2001-000111 | "R1,R2,R3,R4,R5" | 5 | R-CARBON "150OHM,5%,1/4W,AA,TP,2.4X6.4MM" |
| 2201-000119 | C1 | 1 | "C-CERAMIC,DISC" "100nF,+80-20%,50V,Y5V,TP,8x3,5" |
| 3404-000155 | "SW1,SW2,SW3" | 3 | SWITCH-TACT "12V,50mA,160gf,6x6x3.5mm,SPST" |
| JC39-00072A | HAWK PANEL HARN 10P | 1 | CBF HARNESS-HVPS_CONTROL "ML-6060,WIRE HARNESS,UL1061,50mm,BLK+RED,#26" |
| JC41-00042B | HAWK PANEL_II PCB | 1 | PCB-HAWK PANEL_II "ML-6060,FR-1,1LAYER,1.6T,107.5x40.1mm" |
| | | | PBA SUB-EXIT SENSOR |
| 0604-001033 | | 1 | PHOTO-INTERRUPTER "TR,-,150mW,DIP-4,ST" |
| 2001-000362 | | 1 | R-CARBON "150OHM,5%,1/8W,AA,TP,1.8X3.2MM" |
| JC39-00071A | EXIT SENSOR HARN | 1 | CBF HARNESS-EXIT SENSOR "ML6060,WIRE HARNESS,UL1061,425mm,BK+RD+WH,#26" |
| JC41-00050A | PCB-EXIT SENSOR | 1 | PCB SUB-EXIT SENSOR "ML-6060,FR-1,1LAYER,1.6T,11.1x42.5mm" |
| JC92-01261B | | | PBA SUB-FUSER_SW |
| JC39-00077A | HARN-FUSER SWITCH 3P | 1 | CBF HARNESS-MP_CLUTCH "ML-6060,WIRE HARNESS,UL1061,150mm,BLK,#26" |
| JC41-00068A | PCB-FUSER SWITCH | 1 | PCB SUB-FUSER_SWITCH"ML-6060,FR-1,1LAYER,1.6T,19.5x22mm" |
| JC92-01235A | PBA-SENSOR DEVE | 1 | PBA SUB-SWITCH "ML-6060,SEC,USA/EU,-,-,-" |
| 3405-000125 | | 1 | SWITCH-MICRO "125V,5A,50gf,SPDT" |
| JC39-00083A | DEVE CHECK SENSOR HARN | 1 | CBF HARNESS-SWITCH_SENSOR "ML-6060,WIRE HARNESS,UL1061,150mm,BLK+RED,#26" |
| JC41-00051A | PCB-DEVE CHECK SENSOR | 1 | PCB SUB-SWITCH "ML-6060,FR-1,1LAYER,1.6T,8x21.7mm" |