

MODEL:ET106C

REV:01

| ITEM | PARTS CODE     | NAME       | SPECIFICATION                                 | UNIT | AMOUNT | LOCATION                         | REMARK |
|------|----------------|------------|---|------|--------|----------------------------------|--------|
| 1    | 44-06200030-00 | JUMPER     | Ø 0.6mm L=20mm FOOT=3mm                       | PCS  | 1      | J1                               |        |
| 2    | 44-06200030-00 | JUMPER     | Ø 0.6mm L=15mm FOOT=3mm                       | PCS  | 1      | J7                               |        |
| 3    | 02-08050000-00 | CHIP-RES   | Chip-RES SMD 0Ω ±5% 0805 1/10W                | PCS  | 3      | J2-4                             |        |
| 4    | 02-08051020-00 | CHIP-RES   | Chip-RES SMD 1K ±5% 0805 1/10W                | PCS  | 1      | R7                               |        |
| 5    | 02-08051030-00 | CHIP-RES   | Chip-RES SMD 10K ±5% 0805 1/10W               | PCS  | 1      | R16                              |        |
| 6    | 02-08051040-00 | CHIP-RES   | Chip-RES SMD 100K ±5% 0805 1/10W              | PCS  | 1      | R15                              |        |
| 7    | 02-08051220-00 | CHIP-RES   | Chip-RES SMD 1.2K ±5% 0805 1/10W              | PCS  | 2      | R13, R14                         |        |
| 8    | 02-08052010-00 | CHIP-RES   | Chip-RES SMD 200Ω ±5% 0805 1/10W              | PCS  | 6      | R1-R6                            |        |
| 9    | 02-08054730-00 | CHIP-RES   | Chip-RES SMD 47K ±5% 0805 1/10W               | PCS  | 9      | R8-R12, R17-20                   |        |
| 10   | 08-RV125020-00 | POT        | RV120N-1W-11b0-B502                           | PCS  | 2      | PIT • TRIM; HOV • PIT            |        |
| 11   | 08-RV165020-00 | POT        | RV16KN-1W-17F0-B502-80° F=4.5mm               | PCS  | 4      | CH1-CH4                          |        |
| 12   | 09-11604760-00 | E-CAP      | 47uF/16V ±20% +105°C MIN E-CAP 5×7mm          | PCS  | 2      | C23, C24                         |        |
| 13   | 12-08051020-00 | CHIP-CAP   | CAP MULTILAYER 102/50V K 0805                 | PCS  | 2      | C15, C16                         |        |
| 14   | 12-08051040-00 | CHIP-CAP   | CAP MULTILAYER 104/50V M 0805                 | PCS  | 20     | C1-C6, C8-C13, C17-C22, 25, 26   |        |
| 15   | 12-08052500-00 | CHIP-CAP   | CAP MULTILAYER 25PF/50V M 0805                | PCS  | 2      | C13, C14                         |        |
| 16   | 15-EM78P458-00 | CPU IC     | EMC EM78P458AM SOL-20                         | PCS  | 1      | IC1                              |        |
| 17   | 19-LM78L05-01  | REGULATOR  | LM78L05 SMD SOT-89                            | PCS  | 1      | IC2                              |        |
| 18   | 20-2SC90141-00 | TRANSISTOR | Transistor 2SC9014 NPN SMD SOT-23             | PCS  | 1      | Q1                               |        |
| 19   | 23-LL414800-00 | DIODE      | Fast Switching Diode LL4148 1206 I=150mA      | PCS  | 1      | D3                               |        |
| 20   | 25-1N400400-00 | DIODE      | M4 (1N4004) Diode 1808 SMD                    | PCS  | 1      | D1                               |        |
| 21   | 28-40000001-00 | CRYSTAL    | Crystal HC-49S Series 4.000MHz ±20ppm H=3.5mm | PCS  | 1      | XY1                              |        |
| 22   | 35-010CNCL0-00 | INDUCTOR   | CHOKE COLL CNCL-1ROK 1uH±20% 0.18Ω            | PCS  | 1      | L1                               |        |
| 23   | 37-22F25G12-00 | SLIDE SW   | SS22F25-G12 SPST                              | PCS  | 4      | SW2-SW5                          |        |
| 24   | 37-22F25G50-00 | SLIDE SW   | SS22F25-G5 SPDT                               | PCS  | 1      | SW7                              |        |
| 25   | 37-KNX102D2-01 | SWITCH     | SMALL TYPE KNX102-D2 L: 12mm                  | PCS  | 2      | CCPM/STD, 3D                     |        |
| 26   | 37-KNX102D2-01 | SWITCH     | SWITCH  | PCS  | 3      | GYRO • SW, RUN D/R, AIL. ELE D/R |        |
| 27   | 37-KNX112D2-00 | SWITCH     | SMALL TYPE KNX112-D2 L:21mm                   | PCS  | 1      | TRM                              |        |
| 28   | 39-2DDC0500-01 | DC JACK    | DC JACK DC-05 2.1mm                           | PCS  | 1      | JACK                             |        |

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|------|----------------|-----------|--|------|--------|--------------------------|----------|
| 29   | 39-4D410400-01 | JACK      | MDC-4-104  | PCS  | 1      |                          |          |
| 30   | 39-4P000001-00 | PIN       | 4PIN PITCH 2.0*12mm                                  | PCS  | 1      | TO TR                    |          |
| 31   | 39-5P000001-00 | PIN       | 5PIN PITCH 2.54*18mm                                 | PCS  | 1      | TO RF                    |          |
| 32   | 42-32100010-00 | ANT       | 108×10mm 10 SEGMENT § 3.2INNER                       | PCS  | 1      | ANT                      |          |
| 33   | 42-XA090203-00 | WIRE      | WHITE&BLACK 26# L=90mm PLATED (XA090203)             | PCS  | 1      | TRAIN                    |          |
| 34   | 42-XA075202-00 | WIRE      | GREEN&BLACK 26# L=75mm PLATED(XA075202)              | PCS  | 1      | CHARGE                   |          |
| 35   | 42-XA090204-00 | WIRE      | RED&BROWN 26# L=90mm PLATED (XA090204)               | PCS  | 1      | F/B                      |          |
| 36   | 43-XA250201-00 | WIRE      | 2pin HEAD 26# L=250mm 3mm PLATED (BROWN) (XA250201)  | PCS  | 1      | SW7                      |          |
| 37   | 43-XA040101-00 | WIRE      | RED&BLACK, 26# L=40mm(XA040101)                      | PCS  | 2      | Battery Box              |          |
| 38   | 43-XA130401-00 | WIRE      | 4Pin HEAD26#L=130mm 3mm PLATED(XA130401)             | PCS  | 1      | Simulator                |          |
| 39   | 43-XA250601-00 | WIRE      | 6Pin HEAD 26#L=250mm 3mmPLATED (XA250601)            | PCS  | 1      | CON3                     |          |
| 40   | 43-XA130402-00 | WIRE      | 4PinHEAD 26#L=130mm 3mm PLATED(XA130402)             | PCS  | 1      | Connect                  |          |
| 41   | 43-XA130002-00 | WIRE      | 12Pin; 4×4Pin HEAD 26# L=90;130mm (XA130002)         | PCS  | 1      | VR                       |          |
| 42   | 43-XA100201-00 | WIRE      | 2Pin DOUBLE HEAD 26# L=100mm(XA100201)               | PCS  | 1      | Switch                   |          |
| 43   | 43-XA200202-00 | WIRE      | 2Pin HEAD 26#;L=200mm(XA200202)                      | PCS  | 1      | To LCD                   |          |
| 44   | 43-XA200301-00 | WIRE      | 3PIN WIRE PITCH 2.0mm RED&WHITE&BLACK                | PCS  | 1      | A I L. D / R C C P M S W |          |
| 45   | 43-XA200302-00 | WIRE      | 3PIN WIRE PITCH 2.1mm RED&GREEN&BLACK                | PCS  | 1      | G Y. S W R U D D / R     |          |
| 46   | 39-2D000001-00 | CON       | 2Pin 90° DIP HOLDER T=2.54mm White                   | PCS  | 1      | CON5                     |          |
| 47   | 39-3D000001-00 | CON       | 3Pin 90° DIP HOLDER T=2.54mm White                   | PCS  | 1      | CON7                     |          |
| 48   | 39-4D000001-00 | CON       | 4Pin 90° DIP HOLDER T=2.54mm White                   | PCS  | 1      | CON1                     |          |
| 49   | 52-ET106A00-02 | CON       | 119×72mm Only Layer 94V0-KB T=1.6mm REV:01(ET106B-3) | PCS  | 1      | PCB2                     |          |
| 50   | 52-ET106A00-03 | PCB       | 63×35mm Only Layer 94V0-KB T=1.6mm REV:02(ET106A-2)  | PCS  | 1      | PCB3                     |          |
| 51   | 52-ET106A00-04 | PCB       | 18×21mm Dual Layer FR4 T=1.0mm REV:01(ET106A-4)      | PCS  | 1      | PCB4                     |          |
| 52   | BP-EF135A00-00 | RF MODULE | EF135A RF MODULE                                     | PCS  | 1      |                          | OPTIONAL |
| 53   | BP-EF140A00-00 | RF MODULE | EF140A RF MODULE                                     | PCS  | 1      |                          | OPTIONAL |
| 54   | BP-EF172A00-00 | RF MODULE | EF172A RF MODULE                                     | PCS  | 1      |                          | OPTIONAL |
| 55   | BP-ET106A01-00 | LCD       | ET106A LCD   | PCS  | 1      |                          |          |

APPROVED:

CHECKED:

DESIGNED:

MODEL:LCD BAT. VOL. INDICATOR

REV:01

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|------|----------------|---------------|--|------|--------|----------|--------|
| 1    | 02-08050000-00 | CHIP-RES      | Chip-RES SMD $0\Omega \pm 5\%$ 0805 1/10W          | PCS  | 3      | J1-J3    |        |
| 2    | 02-08051030-00 | CHIP-RES      | Chip-RES SMD 10K $\pm 5\%$ 0805 1/10W              | PCS  | 1      | R1       |        |
| 3    | 02-08052002-00 | CHIP-RES      | Chip-RES SMD 20K $\pm 1\%$ 0805 1/10W              | PCS  | 1      | R2       |        |
| 4    | 02-08052010-00 | CHIP-RES      | Chip-RES SMD 200 $\Omega$ $\pm 5\%$ 0805 1/10W     | PCS  | 1      | R3       |        |
| 5    | 02-08055601-00 | CHIP-RES      | Chip-RES SMD 5.6K $\pm 1\%$ 0805 1/10W             | PCS  | 1      | R4       |        |
| 6    | 02-12062010-00 | CHIP-RES      | Chip-RES SMD 200 $\Omega$ $\pm 5\%$ 1206 1/8W      | PCS  | 1      | R5       |        |
| 7    | 04-06031010-00 | CHIP-RESPACK  | RES NCA-4R 1000hm $\pm 5\%$ 50V 1/16W              | PCS  | 1      | RP1      |        |
| 8    | 12-08051040-00 | CHIP-CAP      | CAP MULTILAYER 104/50V M 0805                      | PCS  | 4      | C3-C6    |        |
| 9    | 12-08052500-00 | CHIP-CAP      | CAP MULTILAYER 25PF/50V J 0805                     | PCS  | 2      | C7, C8   |        |
| 10   | 12-35282260-00 | CHIP-CAP (TA) | SCS B3528 22uF/16V(1C) M 3528(B TYPE)              | PCS  | 1      | C1       |        |
| 11   | 12-60321070-00 | CHIP-CAP (TA) | SCS C6032 100uF/10V(1A) M 6032(C TYPE)             | PCS  | 1      | C2       |        |
| 12   | 15-EM78P458-00 | CPU IC        | EMC EM78P458AM SOL-20 (5.0V Voltage)               | PCS  | 1      | IC2      |        |
| 13   | 17-HT162100-00 | BONDING IC    | LCD Controller MCU HT1621 BONDING                  | PCS  | 1      | IC1      |        |
| 14   | 19-AAT32200-00 | REGULATOR     | AAT3220IQY-3.3 SOT-89 (ANALOGIC)                   | PCS  | 1      | IC3      |        |
| 15   | 24-1N523101-00 | ZENER         | 1N5231B 5.1V/20mA 1206                             | PCS  | 1      | ZD1      |        |
| 16   | 27-BTM403RN-00 | LCD           | LCD BT-M403RN-380UP LCD Voltage (3V)               | PCS  | 1      | LCD      |        |
| 17   | 28-40000001-00 | CRYSTAL       | Crystal HC-49S Series 4.000MHZ $\pm 20ppm$ H=3.5mm | PCS  | 1      | XY1      |        |
| 18   | 52-ET106A00-00 | PCB           | 50×30mm Only Layer FR-4 T=1.0mm REV:01             | PCS  | 1      | PCB1     |        |

APPROVED:

CHECKED:

DESIGNED: