

## MRRE – part list

| Bill Of Materials for L9033A1.sch on Tue Sep 07 14:00:38 1999 |     |               |              |                     |            |                                                |
|---------------------------------------------------------------|-----|---------------|--------------|---------------------|------------|------------------------------------------------|
| Item                                                          | Qty | Ref.          | Prastel Code | Name                | Value      | Description                                    |
| 1                                                             | 1   | J3            |              | Soldering Terminals |            |                                                |
| 2                                                             | 1   | JP1           |              | JP4F OPT            |            | Female Strip 4P 2.54                           |
| 3                                                             | 1   | A1            |              | Manufacturing       |            |                                                |
| 4                                                             | 4   | C9-10 C12 C14 | C10NC        | CCE                 | 10nF       | Ceramic Capacitor                              |
| 5                                                             | 6   | C1-5 C8       | C1MV35       | CEV                 | 1MF35V     | Vertical Electrolytic Capacitor                |
| 6                                                             | 2   | C11 C13       | C220V35      | CEV                 | 220MF35V   | Vertical Electrolytic Capacitor                |
| 7                                                             | 3   | C6-7 C15      | CM10C        | CCE                 | 100nF      | Ceramic Capacitor                              |
| 8                                                             | 1   | J1            | CONDB9F90    | DB9F90              |            | Female D Type Connector 9P 90                  |
| 9                                                             | 1   | Z1            | CSL382-1     | L382-1              | 1.6mm/35um | PCB Double Side 95 X 100 mm                    |
| 10                                                            | 3   | D2-4          | D4007        | 1N4007              |            | Rectifier Diode                                |
| 11                                                            | 1   | D1            | D4148        | 1N4148              |            | Signal Diode                                   |
| 12                                                            | 1   | DZ1           | D5V1W2       | DZ                  | 5V1        | Zener 1/2W                                     |
| 13                                                            | 3   | SW1-3         | DIP4         | DIP-SW4             |            | 4 Contacts Vertical D.I.L. Switch              |
| 14                                                            | 1   | LD1           | DLED3R       | LED03R              |            | LED Diameter 3mm Red                           |
| 15                                                            | 2   | F1-2          | FUSA25R      | R3-RXE-025          |            | MultiFuse 250mA                                |
| 16                                                            | 1   | L1            | IA02         | IA02                |            | Air Inductor for Antenna                       |
| 17                                                            | 1   | U1            | IC232        | MAX232              |            | Drivers/Receiver RS-232                        |
| 18                                                            | 1   | U5            | IC78L05      | LM78L05             |            | Voltage Regulator                              |
| 19                                                            | 1   | U4            | IC78L12      | LM78L12             |            | Voltage Regulator                              |
| 20                                                            | 1   | U6            | IC93C66      | NMC93C66N           |            | 256-Bit Serial EEPROM                          |
| 21                                                            | 1   | U3            | ICPL114      | PL114               |            | 433MHz Receiver SIL Hybrid Circuit with Filter |
| 22                                                            | 1   | U2            | ICPL773AP1   | PL773A              |            | 4 BIT Microcontroller                          |
| 23                                                            | 1   | J2            | MS09B        | MKDS3/9-5.08        |            | Terminal 9P                                    |
| 24                                                            | 3   | R9 R11 R15    | R10KW4       | RES                 | 10K        | Resistor Carbon 1/4W                           |
| 25                                                            | 2   | R4-5          | R1K0W4       | RES                 | 1K         | Resistor Carbon 1/4W                           |
| 26                                                            | 1   | R14           | R47KW4       | RES                 | 47K        | Resistor Carbon 1/4W                           |
| 27                                                            | 1   | RR1           | R47KW4R8     | RR                  | 47K        | Resistor Array 8+1                             |
| 28                                                            | 2   | R6 R10        | R47RW4       | RES                 | 47         | Resistor Carbon 1/4W                           |
| 29                                                            | 1   | R16           | R4K7W4       | RES                 | 4K7        | Resistor Carbon 1/4W                           |
| 30                                                            | 1   | R12           | R56R1W       | RES                 | 56 1W      | Resistor Carbon 1W                             |
| 31                                                            | 3   | R1-3          | R5K6W4       | RES                 | 5K6        | Resistor Carbon 1/4W                           |
| 32                                                            | 1   | X1            | R1SCER4      | CST4MGW             | 4MHz       | Ceramic Resonator                              |
| 33                                                            | 2   | R7-8          | RK56W4       | RES                 | 560        | Resistor Carbon 1/4W                           |
| 34                                                            | 1   | R13           | RM10W4       | RES                 | 100K       | Resistor Carbon 1/4W                           |
| 35                                                            | 1   | JP2           | STRIPTP3P    | JP3M                |            | Male Strip 3P 2.54                             |
| 36                                                            | 3   | Q1-3          | TBC237       | BC237B              |            | NPN Small Signal Transistor                    |
| 37                                                            | 5   | TP1-5         | TP0INT       | TP                  |            | Test-Point                                     |