

MS SEDCO TRANSMITTER B.O.M. ----MODEL CP-TX

5-22-03

| ITEM # | REF # | PART DESCRIPTION | MAN. PART # | VENDOR & PART # |
|--------|---------|--------------------------------------------|-----------------------------|------------------------|
| 1 | SW1 | 12 BIT SPST DIP SW | CTS# 209-12LPST | use only approved subs |
| 2 | SW2 | DPDT SLIDE SWITCH , MINATURE | E-SWITCH # EG-2305 | |
| 3 | IC1 | UPC2792TB MMIC AMP | NEC | |
| 4 | IC2 | PIC16C54C-04/SO MICROPROCESSOR | MICROCHIP | |
| 5 | IC3 | 5V 50mA REGULATER, SOT23 | ZETEX# ZMR500FCT | |
| 6 | L1 | 27nH 5% | COILCRAFT3 100BCS-270XJ | |
| 7 | RN1&RN2 | 4.7k smt 8 element bussed resistor network | CTS# 745C101472J | |
| 8 | R1 | 100K 1206 SMT 5% CF RESISTOR | DALE# CRCW1206104JRT1 | |
| 9 | R2 | 1K 1206 SMT 5% CF RESISTOR | DALE# CRCW1206102JRT1 | |
| 10 | R3 | NOT USED | | |
| 11 | R4 | 560 Ohm 0805 SMT 5% CF RESISTOR | DALE# CRCW0805560JRT1 | |
| 12 | R5 | 1K 0805 SMT 5% CF RESISTOR | DALE# CRCW0805102JRT1 | |
| 13 | R6 | 100K 0805 SMT 5% CF RESISTOR | DALE# CRCW0805104JRT1 | |
| 14 | R7 | 100K 0805 SMT 5% CF RESISTOR | DALE# CRCW1206104JRT1 | |
| 15 | C1 | 0.1uF X7R 50V CER CHIP 0805 | PANASONIC# ECJ-2YB1H104K | AVX# 08055C104KATM |
| 16 | C2 | 0.1uF X7R 50V CER CHIP 0805 | PANASONIC# ECJ-2YB1H104K | AVX# 08055C104KATM |
| 17 | C3 | 0.1uF X7R 16V CER CHIP 1206 | PANASONIC# ECJ-3VB1C104K | |
| 18 | C4 | 4.7uF X7R 10V CER CHIP 1206 | MURATA# GRM42-6X5R475K010AL | |
| 19 | C5 | 1pF NPO 50V CER CHIP 0805 | PANASONIC# ECJ-2VC1H010C | AVX# 08055A1R0CATN |
| 20 | C6 | 0.1uF X7R 50V CER CHIP 0805 | PANASONIC# ECJ-2YB1H104K | AVX# 08055C104KATM |
| 21 | C7 | 3pF NPO 50V CER CHIP 0805 | PANASONIC# ECJ-2VC1H030C | AVX# 08055A3R0CATN |
| 22 | C8 | 8pF NPO 50V CER CHIP 0805 | PANASONIC# ECJ-2VC1H080D | AVX# 08055A8R0CATN |
| 23 | C9 | 68pF NPO 50V CER CHIP 0805 | PANASONIC# ECJ-2VC1H680J | |
| 24 | C10 | 12pF NPO 50V CER CHIP 0805 | PANASONIC# ECJ-2VC1H120D | |
| 25 | C11 | 1pF NPO 50V CER CHIP 0805 | PANASONIC# ECJ-2VC1H010C | AVX# 08055A1R0CATN |
| 26 | C12 | 6pF NPO 50V CER CHIP 0805 | PANASONIC# ECJ-2VC1H060D | AVX# 08055A6R0CATN |
| 27 | C13 | 15pF NPO 50V CER CHIP 0805 | PANASONIC# ECJ-2VC1H150D | AVX# 08055A15R0CATN |
| 28 | Q1 | NPN TRANSISTOR WITH BIAS RESISTORS | MOT# MMUN2211LT1 | |
| 29 | Q2 | PNP TRANSISTOR WITH BIAS RESISTORS | MOT# MMUN2111LT1 | |
| 30 | Q3 | NPN TRANSISTOR WITH BIAS RESISTORS | MOT# MMUN2211LT1 | |
| 31 | Q4 | PNP TRANSISTOR WITH BIAS RESISTORS | MOT# MMUN2111LT1 | |
| 32 | CN2 | 2 PIN MALE HEADER 0.1LS | MOLEX 22-23-2021 | |

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|----|------|-----------------------------------------------|------------------------------------|---------------------|
| 33 | D1 | RED LED SMT | KING BRIGHT# KP3015HC | STANLEY# PR1101W-TR |
| 34 | DA1 | SMT DUAL SWITCHING DIODE | MOT# BAV99LT1 (SOT-23) | |
| 35 | DA2 | SMT DUAL SWITCHING DIODE | MOT# BAV99LT1 (SOT-23) | |
| 36 | DA3 | SMT DUAL SWITCHING DIODE | MOT# BAV99LT1 (SOT-23) | |
| 37 | DA4 | SMT DUAL SWITCHING DIODE | MOT# BAV70LT1 (SOT-23) | |
| 38 | CR1 | 4MHZ CERAMIC RES | | MURATA# CST4.00MGW |
| 39 | CR2 | 300MHZ SAW Res (Two- Port) | Abundance Enterprise Co | NMB300 (+/- 100KHz) |
| 40 | CR3 | 387MHZ SAW Res (Two-Port) | Abundance Enterprise Co | NMB387 (+/- 100KHz) |
| 41 | MISC | 9V BATTERY (CARBON / ZINC) | | |
| 42 | MISC | SPACER (FOR SAW RESONATORS) | BIVAR# 515-020 | 2 PCS REQUIRED |
| 43 | BS1 | 9V BATTERY SNAP | EAGLE | |
| 44 | MISC | FERRITE BEAD, BALUN TYPE | EASEHOUSE CORE # RID 4.1 X 6.3 X 7 | |
| 45 | MISC | FCC LABEL | MS SEDCO# 81A??? | |
| 46 | PCB1 | PCB FR4 1 OZ COPPER CLAD 2 SIDE 3.133 SQ. IN. | | |