

Alma Correlator Station Card Bill Of Materials

June 6,2000

| Item | Quantity | Part | PRICE EACH | TOTAL |
|------------|----------|--------------------------------|------------|-----------|
| 1 | 250 | 0.1 uF chip bypass cap | \$0.067 | \$16.75 |
| 2 | 32 | 100 uF Tantalum cap | \$1.40 | \$44.80 |
| 3 | 2 | 1N5817 Schottky diode | \$0.20 | \$0.40 |
| 4 | 1 | 1N5334B Zener diode | \$1.20 | \$1.20 |
| 5 | 1 | 1N4615 Zener diode | \$1.38 | \$1.38 |
| 6 | 1 | Lumex SSF-LXH100LID RED LED | \$0.57 | \$0.57 |
| 7 | 1 | Lumex SSF-LXH100LYD YELLOW LED | \$0.57 | \$0.57 |
| 8 | 1 | Lumex SSF-LXH100LGD GREEN LED | \$0.57 | \$0.57 |
| 9 | 1 | 3M40 40-pin connector | \$2.40 | \$2.40 |
| 10 | 4 | 2MM-A hard metric connector | \$5.00 | \$20.00 |
| 11 | 129 | 110 ohm chip resistor | \$0.0045 | \$1.21 |
| 12 | 3 | 680 ohm chip resistor | \$0.0045 | |
| 13 | 3 | 100 ohm chip resistor | \$0.0045 | |
| 14 | 5 | 4.7 K ohm chip resistor | \$0.0045 | |
| 15 | 1 | 330 ohm chip resistor | \$0.0045 | |
| 16 | 128 | 91 ohm chip resistor | \$0.0045 | |
| 17 | 1 | DS1705 Dallas IC | \$1.49 | \$1.49 |
| 18 | 1 | SY10H842L Synergy IC | \$20.69 | \$20.69 |
| 19 | 1 | AM26LV32 TI IC | \$1.30 | \$1.30 |
| 20 | 16 | IDT70V3389S 6 PRF IDT IC | \$100.00* | \$1600.00 |
| 21 | 1 | XC95144XL-5-TQ100 Xilinx IC | \$19.64 | \$19.64 |
| 22 | 1 | XCV200E-6-PQ240C Xilinx IC | \$97.40 | \$97.40 |
| 23 | 4 | XCV100E-6-PQ240C Xilinx IC | \$55.40 | \$221.60 |
| 24 | 4 | XCV50E-6-PQ240C Xilinx IC | \$36.90 | \$147.60 |
| 25 | 1 | MULTI-LAYER CARD | \$250.00** | \$250.00 |
| 26 | 1 | CARD ASSEMBLY | \$150.00** | \$150.00 |
| TOTAL COST | | | | \$2600.00 |

* 64K x 18 RAM IS \$79.64 THE \$100.00 FOR A 256K X 18 RAM IS A GUESS

** BASIS FOR COST, WILD GUESS

\$665K / 64 PART
S75

LTA = \$1555.00 PARTS
350.00 PCB
200.00 ASSY
\$2105.00