

| REV E | PERSCI INCORPORATED | | MATERIAL LIST | | | |
|----------------|-----------------------------|------------------|----------------------|----------------------------|-------|-----------|
| M/L NO. 200729 | TITLE | | M/L NO. | | REV E | |
| | ASSEMBLY PCB, SPINDLE SERVO | | 200729 | | E | |
| | COMPILED BY: | DATE CHECKED BY: | DATE APPROVED BY: | DATE RELEASE/CHANGE DATE | | |
| | | | <i>N. Olson</i> | 3/5/79 | | |
| | NEXT ASSY. | 1ST USED ON | DWG SIZE | SHEET <u>3</u> OF <u>3</u> | | |
| | | 277 | C | | | |
| ITEM NO. | DRAWING TITLE | | DWG NO. | QTY | CODE | REMARKS |
| 55 | CONNECTOR, ANGLE 2 PIN | | 100042-002 | 1 | | J1 |
| 56 | CONNECTOR, ANGLE 4 PIN | | 100040-004 | 1 | | J2 |
| 57 | | | | | | |
| 58 | | | | | | |
| 59 | SCREW, BINDING HD 4-40 | | 100002-307 | 2 | | |
| 60 | INSULATOR, MICA 150211 | | 150211 | 1 | | |
| 61 | WASHER, SHOULDER | | 100050-001 | 2 | | TO -3 USE |
| 62 | WASHER, FLAT | | 100008-300 | 2 | | |
| 63 | NUT | | 100015-300 | 2 | | |
| 64 | | | | | | |
| 65 | | | | | | |
| 66 | TIE, CABLE | | 100086-003 | A/R | | |
| 67 | | | | | | |
| 68 | GREASE, SILICON | | 100165 | A/R | | |
| 69 | | | | | | |
| 70 | | | | | | |
| | SCHEMATIC | | 200730 | REF | | REV C |
| | ARTWORK | | 200727 | REF | | REV A |
| | | | | | | |
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CODE: D = DETAIL PART WITH NO M/L A = ASSEMBLY WITH M/L
 R = REFERENCE DOCUMENT S = SHIP SEPARATE

| REV E | PERSCI INCORPORATED | | | | MATERIAL LIST | | |
|-------------------|--------------------------------------|-----------------|--------------------|----------------|-------------------|-----------------|-----------------------------|
| M/L NO. 200729 | TITLE ASSEMBLY PCB, SPINDLE SERVO | | | | M/L NO. 200729 | | REV E |
| M/L NO. 200729 | COMPILED BY: SA | DATE 11/4/79 | CHECKED BY: | DATE 3/5/79 | APPROVED BY: | DATE 5/31/79 | RELEASE/CHANGE DATE/ 404 |
| M/L NO. 200729 | NEXT ASSY. | | 1ST USED ON 277 | | DWG SIZE C | SHEET 1 OF 3 | |
| ITEM NO. | DRAWING TITLE | | DWG NO. | QTY | CODE | REMARKS | |
| 1 | BOARD, PROCESSED | | 200728 | 1 | | REV A | |
| 2 | | | | | | | |
| 3 | SUBASSY, HARNESS | | 200400-004 | 1 | | P5 | |
| 4 | SUBASSY, HARNESS | | 200399 | 1 | | P4 | |
| 5 | | | | | | | |
| 6 | HEAD SINK | | 200160 | 1 | | | |
| 7 | | | | | | | |
| 8 | IC | 1458-P1 | 150602 | 2 | | U5,6 | |
| 9 | ↑ | 7474 | 150609 | 1 | | U3 | |
| 10 | ↓ | 4040 | 150703 | 1 | | U2 | |
| 11 | ↓ | 74C901 | 150658 | 1 | | U1 | |
| 12 | IC | CD4046B | 150704 | 1 | | U4 | |
| 13 | | | | | | | |
| 14 | | | | | | | |
| 15 | TRANSISTOR, NPN | 2N4400 | 150200 | 2 | | Q1,2 | |
| 16 | TRANSISTOR, PNP | 2N4402 | 150201 | 2 | | Q4,5 | |
| 17 | TRANSISTOR, NPN | 2N3771 | 150205 | 1 | | Q3 | |
| 18 | | | | | | | |
| 19 | | | | | | | |
| 20 | DIODE | 1N3064 | 150300 | 1 | | CR1 | |
| 21 | DIODE | 1N4003 | 150301 | 1 | | CR2 | |
| 22 | | | | | | | |
| 23 | | | | | | | |
| 24 | CRYSTAL | 2.4576MHz | 150088 | 1 | | Y1 | |
| 25 | | | | | | | |
| 26 | | | | | | | |
| 27 | | | | | | | |

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|-------------------|-----------------------------|---------------------|------------------|----------|-------------------|---------------|--------|
| M/L NO. 200729 | TITLE | | | | M/L NO. | | REV |
| | ASSEMBLY PCB, SPINDLE SERVO | | | | 200729 | | E |
| | COMPILED BY: | | DATE CHECKED BY: | | DATE APPROVED BY: | | DATE |
| | | | | | <i>D. Clark</i> | | 3/5/79 |
| NEXT ASSY. | | | 1ST USED ON | DWG SIZE | SHEET | | OF |
| | | | 277 | C | 2 | | 3 |
| ITEM NO. | DRAWING TITLE | | DWG NO. | QTY | CODE | REMARKS | |
| 28 | CAPACITOR, MICA 56pf | | 150102-560 | 3 | | C5,6,2 | |
| 29 | CAPACITOR, MICA 1000pf | | 150102-102 | 1 | | C1 | |
| 30 | CAPACITOR, CERAMIC .01uf | | 150103-103 | 1 | | C4 | |
| 31 | CAPACITOR, MYLAR 0.1uf | | 150101-104 | 1 | | C7 | |
| 32 | CAPACITOR, MYLAR .022uf | | 150101-223 | 1 | | C9 | |
| 33 | CAPACITOR, TANT., 10% 1uf | | 150100-105 | 5 | | C3,8,10,12,13 | |
| 34 | CAPACITOR, TANT., 22uf | | 150100-226 | 1 | | C11 | |
| 35 | | | | | | | |
| 36 | | | | | | | |
| 37 | RESISTOR 1/4W., 5% 27 | | 150000-270 | 1 | | R17 | |
| 38 | ↑ ↑ ↑ 100 | | ↑ -101 | 1 | | R4 | |
| 39 | 470 | | -471 | 1 | | R14 | |
| 40 | 1K | | -102 | 4 | | R2,6,15,18 | |
| 41 | | | | | | | |
| 42 | 4.7K | | -472 | 3 | | R12,13,16 | |
| 43 | 5.6K | | -562 | 2 | | R5,24 | |
| 44 | 6.8K | | -682 | 2 | | R10,11 | |
| 45 | 10K | | -103 | 4 | | R3,21,22,25 | |
| 46 | 20K | | -203 | 1 | | R23 | |
| 47 | 100K | | -104 | 1 | | R1 | |
| 48 | 510K | | -514 | 2 | | R7,9 | |
| 49 | ↓ ↓ ↓ 240K | | ↓ -244 | 1 | | R19 | |
| 50 | RESISTOR, 1/4W., 5% 3.9MEG | | 150000-395 | 1 | | R8 | |
| 51 | " " " 2.0K | | " -202 | 1 | | R20 | |
| 52 | | | | | | | |
| 53 | | | | | | | |
| 54 | | | | | | | |

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