

VR352

VOLTAGE CHARTS

SERVO/SYSCON/TIMER u-COM

| MODE | IC MI-COM (IC601) | | | | | | |
|---------|-------------------|-----|------|---------------|-------------------|--------------|---------------|
| PIN No. | STOP | REC | PLAY | REW/ F.FWD | REV/FWD SEARCH | REC PAUSE | PLAY PAUSE |
| 1 | 4.3 | 4.3 | 4.3 | 4.3 | 4.3 | 4.3 | 4.3 |
| 2 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 3 | 5.2 | 0 | 0 | 5.2 | 5.2 | 0 | 0 |
| 4 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 |
| 5 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 |
| 6 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 7 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 8 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 |
| 9 | 0.8 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| 10 | 1.9 | 1.2 | 3.3 | 2.5 | 2.5 | 2.5 | 2.5 |
| 11 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 12 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 |
| 13 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 14 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 |
| 15 | 0 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 |
| 16 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 17 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 18 | 5.2 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 |
| 19 | 5.2 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 |
| 20 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 21 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 22 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 23 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 24 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 25 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 26 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 |
| 27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 28 | 0 | 1 | 0 | 0 | 0 | 1 | 0 |
| 29 | 2 | 2 | 3 | 3 | 3 | 3 | 3 |
| 30 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 |
| 31 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 |
| 32 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 |
| 33 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 |
| 34 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 |
| 35 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 |
| 36 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 |
| 37 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 |
| 38 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 |
| 39 | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 |
| 40 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 41 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 42 | 5.1 | 5.1 | 5.1 | 5.1 | 5.1 | 5.1 | 5.1 |
| 43 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

| MODE | IC MI-COM (IC601) | | | | | | |
|---------|-------------------|-----|------|---------------|-------------------|--------------|---------------|
| PIN No. | STOP | REC | PLAY | REW/ F.FWD | REV/FWD SEARCH | REC PAUSE | PLAY PAUSE |
| 44 | 2.4 | 2.4 | 2.4 | 0 | 2.4 | 2.4 | 2.4 |
| 45 | 2.4 | 2.4 | 2.4 | 2.4 | 2.4 | 2.4 | 2.4 |
| 46 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 47 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 |
| 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 49 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 50 | 1.8 | 1.8 | 1.8 | 1.8 | 1.2 | 1.8 | 2.1 |
| 51 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 52 | .8 | 1.8 | 1.8 | 1.8 | 1.2 | 1.8 | 2.1 |
| 53 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 54 | 2.3 | 2.3 | 2.3 | 2.3 | 2.9 | 2.3 | 2.1 |
| 55 | 1.5 | 1.5 | 1.5 | 1.9 | 1.3 | 1.3 | 2.2 |
| 56 | 1.9 | 1.9 | 1.9 | 1.9 | 1.3 | 1.8 | 2.2 |
| 57 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 58 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 |
| 59 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 60 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 61 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 |
| 62 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 |
| 63 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 |
| 64 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 65 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 |
| 66 | 0 | 5.1 | 5.1 | 5.1 | 0 | 0 | 5.2 |
| 67 | 0 | 0 | 5.1 | 0 | 5.1 | 0 | 5.1 |
| 68 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 69 | 0 | 0 | 0 | 0 | 5.1 | 0 | 5.1 |
| 70 | 0 | 5.1 | 0 | 0 | 0 | 0 | 0 |
| 71 | 4.7 | 4.7 | 4.7 | 4.7 | 4.7 | 4.7 | 4.7 |
| 72 | 4.6 | 4.6 | 4.6 | 4.6 | 4.6 | 4.6 | 4.6 |
| 73 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 |
| 74 | 0 | 0 | 5.1 | 5.1 | 5.1 | 5.1 | 5.1 |
| 75 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 76 | 0 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 |
| 77 | 0 | 2.7 | 2.7 | 2.7 | 2.7 | 0 | 5.2 |
| 78 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 79 | 0 | 5 | 5 | 2.6 | 2.6 | 0 | 0 |
| 80 | 0 | 5 | 0 | 2.6 | 2.3 | 0 | 5 |
| 81 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 82 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 83 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 |
| 84 | 5.2 | 5.2 | 5.2 | 0 | 5.2 | 5.2 | 5.2 |
| 85 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 86 | 0 | 0 | 0 | 0 | 5.2 | 0 | 0 |

SERVO/SYSCON/TIMER u-COM (Continued)

| MODE | IC MI-COM (IC601) | | | | | | |
|---------|-------------------|-----|------|---------------|-------------------|--------------|---------------|
| PIN No. | STOP | REC | PLAY | REW/ F.FWD | REV/FWD SEARCH | REC PAUSE | PLAY PAUSE |
| 87 | 3.7 | 2.4 | 2.4 | 2.4 | 2.4 | 1.3 | 3.7 |
| 88 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 89 | 2.5 | 2 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 |
| 90 | 1.3 | 0 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 |
| 91 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 |
| 92 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 |
| 93 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

| MODE | IC MI-COM (IC601) | | | | | | |
|---------|-------------------|-----|------|---------------|-------------------|--------------|---------------|
| PIN No. | STOP | REC | PLAY | REW/ F.FWD | REV/FWD SEARCH | REC PAUSE | PLAY PAUSE |
| 94 | 2.5 | 2.2 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 |
| 95 | 2.5 | 2.8 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 |
| 96 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 |
| 97 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 |
| 98 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 |
| 99 | 5.4 | 5.4 | 5.4 | 5.4 | 5.4 | 5.4 | 5.4 |
| 100 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 |

| MODE | | | | | | | |
|---------|------|-----|------|---------------|-------------------|--------------|---------------|
| PIN No. | STOP | REC | PLAY | REW/ F.FWD | REV/FWD SEARCH | REC PAUSE | PLAY PAUSE |
| Q601 | | | | | | | |
| E | 1.2 | 1.2 | 2.3 | 1.1 | 2.2 | 1.1 | 1.1 |
| C | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| B | 1.8 | 1.8 | 2.7 | 1.7 | 2.6 | 1.7 | 1.7 |
| Q602 | | | | | | | |
| E | 2.5 | 2.5 | 3.4 | 2.4 | 3.3 | 2.4 | 2.4 |
| C | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| B | 1.8 | 1.8 | 2.7 | 1.7 | 2.7 | 1.7 | 1.7 |
| Q605 | | | | | | | |
| E | 1.2 | 0 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 |
| C | 5.1 | 5.1 | 5.1 | 5.1 | 5.1 | 5.1 | 5.1 |
| B | 1.9 | 0 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 |
| Q701 | | | | | | | |
| E | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| C | 2.4 | 2.4 | 2.4 | 2.4 | 2.4 | 2.4 | 2.4 |
| B | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Q702 | | | | | | | |
| E | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| C | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 |
| B | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Q703 | | | | | | | |
| E | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| C | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 |
| B | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Q704 | | | | | | | |
| E | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| C | 2.4 | 2.4 | 2.4 | 2.4 | 2.4 | 2.4 | 2.4 |
| B | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Q705 | | | | | | | |
| E | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| C | 2.4 | 2.4 | 2.4 | 2.4 | 2.4 | 2.4 | 2.4 |
| B | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

| MODE | | | | | | | |
|---------|------|-----|------|---------------|-------------------|--------------|---------------|
| PIN No. | STOP | REC | PLAY | REW/ F.FWD | REV/FWD SEARCH | REC PAUSE | PLAY PAUSE |
| Q751 | | | | | | | |
| E | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| C | 2.4 | 2.4 | 2.4 | 2.4 | 2.4 | 2.4 | 2.4 |
| B | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Q752 | | | | | | | |
| E | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| C | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| B | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 |
| Q753 | | | | | | | |
| E | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| C | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| B | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Q754 | | | | | | | |
| E | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| C | 2.3 | 1.7 | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 |
| B | 0 | 0.1 | 0 | 0 | 0 | 0 | 0 |
| Q755 | | | | | | | |
| E | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| C | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 |
| B | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| Q756 | | | | | | | |
| E | 4.4 | 4.4 | 4.4 | 4.4 | 4.4 | 4.4 | 4.4 |
| C | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| B | 4.9 | 4.9 | 4.9 | 4.9 | 4.9 | 4.9 | 4.9 |
| Q757 | | | | | | | |
| E | 4.4 | 4.4 | 4.4 | 4.4 | 4.4 | 4.4 | 4.4 |
| C | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 |
| B | 4.9 | 4.9 | 4.9 | 4.9 | 4.9 | 4.9 | 4.9 |
| Q758 | | | | | | | |
| E | 4.4 | 4.4 | 4.4 | 4.4 | 4.4 | 4.4 | 4.4 |
| C | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 |
| B | 4.9 | 4.9 | 4.9 | 4.9 | 4.9 | 4.9 | 4.9 |

SERVO/SYSCON/TIMER u-COM (Continued)

| MODE | | | | | | | |
|---------|------|-----|------|---------------|-------------------|--------------|---------------|
| PIN No. | STOP | REC | PLAY | REW/ F.FWD | REV/FWD SEARCH | REC PAUSE | PLAY PAUSE |
| Q759 | | | | | | | |
| E | 4.4 | 4.4 | 4.4 | 4.4 | 4.4 | 4.4 | 4.4 |
| C | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 |
| B | 4.9 | 4.9 | 4.9 | 4.9 | 4.9 | 4.9 | 4.9 |

| MODE | IC RESET (IC602) | | | | | | |
|---------|------------------|-----|------|---------------|-------------------|--------------|---------------|
| PIN No. | STOP | REC | PLAY | REW/ F.FWD | REV/FWD SEARCH | REC PAUSE | PLAY PAUSE |
| 1 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 |
| 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 |

| MODE | IC EEPROM (IC603) | | | | | | |
|---------|-------------------|-----|------|---------------|-------------------|--------------|---------------|
| PIN No. | STOP | REC | PLAY | REW/ F.FWD | REV/FWD SEARCH | REC PAUSE | PLAY PAUSE |
| 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 5 | 5.1 | 5.1 | 5.1 | 5.1 | 5.1 | 5.1 | 5.1 |
| 6 | 5.1 | 5.1 | 5.1 | 5.1 | 5.1 | 5.1 | 5.1 |
| 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 8 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 |

VR352

VOLTAGE CHARTS

POWER SUPPLY

| MODE | | | | | | | |
|---------|------|------|------|---------------|-------------------|--------------|---------------|
| PIN No. | STOP | REC | PLAY | REW/ F.FWD | REV/FWD SEARCH | REC PAUSE | PLAY PAUSE |
| Q801 | | | | | | | |
| E | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| C | 144 | 144 | 144 | 144 | 144 | 144 | 144 |
| B | 0 | -0.2 | -0.2 | -0.2 | -0.2 | -0.2 | -0.2 |
| Q802 | | | | | | | |
| E | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| C | 0 | -0.2 | -0.2 | -0.2 | -0.2 | -0.2 | -0.2 |
| B | 0.2 | 0 | 0 | 0 | 0 | 0 | 0 |
| Q803 | | | | | | | |
| E | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 |
| C | 5.9 | 5.9 | 5.9 | 5.9 | 5.9 | 5.9 | 5.9 |
| B | 5.9 | 5.9 | 5.9 | 5.9 | 5.9 | 5.9 | 5.9 |
| Q804 | | | | | | | |
| E | 9.1 | 9.1 | 9.1 | 9.1 | 9.1 | 9.1 | 9.1 |
| C | 12.6 | 12.2 | 12.1 | 12.1 | 12.4 | 12.4 | 12.4 |
| B | 9.8 | 9.9 | 9.9 | 9.9 | 9.8 | 9.8 | 9.8 |
| Q805 | | | | | | | |
| E | 12.6 | 12.3 | 12.2 | 12.2 | 12.4 | 12.4 | 12.4 |
| C | 12.6 | 12.2 | 12.1 | 12.2 | 12.4 | 12.4 | 12.4 |
| B | 11.8 | 11.5 | 11.4 | 11.5 | 11.6 | 11.6 | 11.6 |

| MODE | | | | | | | |
|---------|------|-----|------|---------------|-------------------|--------------|---------------|
| PIN No. | STOP | REC | PLAY | REW/ F.FWD | REV/FWD SEARCH | REC PAUSE | PLAY PAUSE |
| Q806 | | | | | | | |
| E | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 |
| C | 5.9 | 5.9 | 5.9 | 5.9 | 5.9 | 5.9 | 5.9 |
| B | 5.9 | 5.9 | 5.9 | 5.9 | 5.9 | 5.9 | 5.9 |
| Q807 | | | | | | | |
| E | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| C | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| B | 5 | 4.9 | 5 | 5 | 5 | 5 | 5 |
| Q808 | | | | | | | |
| E | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| C | 5 | 4.9 | 5 | 5 | 5 | 5 | 5 |
| B | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| Q809 | | | | | | | |
| E | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| C | 9.8 | 9.9 | 9.9 | 9.9 | 9.8 | 9.8 | 9.8 |
| B | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |

| MODE | IC PHOTO COUPLER (IC801) | | | | | | |
|---------|--------------------------|-----|------|---------------|-------------------|--------------|---------------|
| PIN No. | STOP | REC | PLAY | REW/ F.FWD | REV/FWD SEARCH | REC PAUSE | PLAY PAUSE |
| 1 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 |
| 2 | 4.7 | 4.7 | 4.7 | 4.7 | 4.7 | 4.7 | 4.7 |
| 3 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 4 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |

| MODE | IC REGULATOR (IC802) | | | | | | |
|---------|----------------------|-----|------|---------------|-------------------|--------------|---------------|
| PIN No. | STOP | REC | PLAY | REW/ F.FWD | REV/FWD SEARCH | REC PAUSE | PLAY PAUSE |
| 1 | 2.4 | 2.4 | 2.4 | 2.4 | 2.4 | 2.4 | 2.4 |
| 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3 | 4.7 | 4.7 | 4.7 | 4.7 | 4.7 | 4.7 | 4.7 |

VIDEO (LUMA/CHROMA) AND LINEAR AUDIO

| MODE PIN No. | IC VIDEO/AUDIO (IC301) | | | | | | |
|-----------------|------------------------|-----|------|---------------|-------------------|--------------|---------------|
| | STOP | REC | PLAY | REW/ F.FWD | REV/FWD SEARCH | REC PAUSE | PLAY PAUSE |
| 1 | 2.4 | 2.4 | 2.4 | 2.4 | 2.4 | 2.4 | 2.4 |
| 2 | 2.4 | 2.4 | 2.4 | 2.4 | 2.4 | 2.4 | 2.4 |
| 3 | 2.4 | 2.4 | 2.4 | 2.4 | 2.4 | 2.4 | 2.4 |
| 4 | 2.4 | 2.4 | 2.4 | 2.4 | 2.4 | 2.4 | 2.4 |
| 5 | 0 | 1.0 | 0 | 0 | 0 | 0 | 0 |
| 6 | 2.5 | 2.4 | 2.4 | 2.4 | 2.4 | 2.4 | 2.4 |
| 7 | 2.5 | 2.4 | 2.4 | 2.4 | 2.4 | 2.4 | 2.4 |
| 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 10 | 0.9 | 0.9 | 0.9 | 0.9 | 3.6 | 0.9 | 3.9 |
| 11 | 5.2 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 2.6 |
| 12 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 |
| 13 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 |
| 14 | 2 | 1.7 | 2 | 2 | 2 | 2 | 2 |
| 15 | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 |
| 16 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 17 | 3 | 0 | 3 | 3 | 3 | 3 | 3 |
| 18 | 2 | 2.5 | 2 | 2 | 2 | 2 | 2 |
| 19 | 1 | 2.5 | 1 | 1 | 1 | 1 | 1 |
| 20 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 |
| 21 | 2 | 2.5 | 2 | 2 | 2 | 2 | 2 |
| 22 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 23 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 24 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 25 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 |
| 26 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 27 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| 28 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| 29 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 |
| 30 | 1 | 4.2 | 1 | 1 | 1 | 1 | 1 |
| 31 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 32 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 33 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| 34 | 2.7 | 2.4 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 |
| 35 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 |
| 36 | 2 | 1.8 | 2 | 2 | 2 | 2 | 2 |
| 37 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 38 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 |
| 39 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| 40 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 41 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 42 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 43 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |

| MODE PIN No. | IC VIDEO/AUDIO (IC301) | | | | | | |
|-----------------|------------------------|-----|------|---------------|-------------------|--------------|---------------|
| | STOP | REC | PLAY | REW/ F.FWD | REV/FWD SEARCH | REC PAUSE | PLAY PAUSE |
| 44 | 4.3 | 4.3 | 4.3 | 4.3 | 4.3 | 4.3 | 4.3 |
| 45 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 |
| 46 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| 47 | 9.5 | 9.5 | 9.5 | 9.5 | 9.5 | 9.5 | 9.5 |
| 48 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 |
| 49 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 50 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 51 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 52 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 |
| 53 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 54 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 |
| 55 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 56 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 57 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 |
| 58 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 59 | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 |
| 60 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 |
| 61 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 |
| 62 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 |
| 63 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| 64 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 |
| 65 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 |
| 66 | 0.8 | 1 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 |
| 67 | 4.6 | 4.6 | 4.6 | 4.6 | 4.6 | 4.6 | 4.6 |
| 68 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 69 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 70 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 71 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 |
| 72 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 |
| 73 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 |
| 74 | 0 | 1.8 | 0 | 0 | 0 | 0 | 0 |
| 75 | 5.0 | 4.9 | 4.9 | 5.0 | 4.9 | 4.9 | 4.9 |
| 76 | 2.5 | 2.4 | 2.4 | 2.5 | 2.4 | 2.1 | 2.4 |
| 77 | 1.0 | 1.0 | 0 | 1.0 | 0 | 2.1 | 2.4 |
| 78 | 2.5 | 2.4 | 2.4 | 2.5 | 2.4 | 2.4 | 2.4 |
| 79 | 2.5 | 2.4 | 2.4 | 2.5 | 2.4 | 2.4 | 2.4 |
| 80 | 2.5 | 2.4 | 2.4 | 2.5 | 2.4 | 2.4 | 2.4 |
| 81 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 82 | 0.8 | 0.8 | 0.8 | 0.8 | 1.9 | 0.8 | 1.4 |
| 83 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 84 | 0.8 | 0.8 | 0.8 | 0.8 | 1.9 | 0.8 | 1.4 |
| 85 | 0.8 | 0.8 | 0.8 | 0.8 | 1.9 | 0.8 | 1.4 |
| 86 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

VIDEO (LUMA/CHROMA) AND LINEAR AUDIO (Continued)

| MODE | IC VIDEO/AUDIO (IC301) | | | | | | |
|---------|------------------------|-----|------|---------------|-------------------|--------------|---------------|
| PIN No. | STOP | REC | PLAY | REW/ F.FWD | REV/FWD SEARCH | REC PAUSE | PLAY PAUSE |
| 87 | 5.0 | 5.0 | 5.1 | 5.0 | 5.0 | 5.0 | 5.0 |
| 88 | 2.0 | 4.2 | 1.9 | 2.0 | 1.9 | 1.9 | 1.4 |
| 89 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 90 | 1.9 | 4.2 | 1.9 | 1.9 | 1.9 | 1.9 | 1.4 |
| 91 | 2.0 | 4.2 | 1.9 | 1.9 | 1.9 | 1.9 | 1.4 |
| 92 | 2.5 | 1.5 | 0.5 | 2.5 | 0.3 | 1.6 | 3.1 |
| 93 | 1.0 | 0.7 | 0.9 | 1.0 | 1.0 | 1.0 | 1.0 |

| MODE | IC VIDEO/AUDIO (IC301) | | | | | | |
|---------|------------------------|-----|------|---------------|-------------------|--------------|---------------|
| PIN No. | STOP | REC | PLAY | REW/ F.FWD | REV/FWD SEARCH | REC PAUSE | PLAY PAUSE |
| 94 | 0 | 0.9 | 0 | 0 | 0.5 | 0 | 0 |
| 95 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 96 | 2.5 | 2.4 | 0 | 2.5 | 2.4 | 2.4 | 2.2 |
| 97 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 98 | 2.4 | 2.4 | 2.4 | 2.4 | 2.4 | 2.4 | 2.4 |
| 99 | 0 | 3.1 | 0 | 0 | 0 | 0 | 0 |
| 100 | 2.6 | 3.8 | 2.4 | 2.6 | 2.4 | 2.4 | 2.4 |

| MODE | | | | | | | |
|---------|------|-------|------|---------------|-------------------|--------------|---------------|
| PIN No. | STOP | REC | PLAY | REW/ F.FWD | REV/FWD SEARCH | REC PAUSE | PLAY PAUSE |
| Q201 | | | | | | | |
| E | 5.9 | 5.9 | 5.9 | 5.9 | 5.9 | 5.9 | 5.9 |
| C | 0.2 | 4.8 | 0.4 | 0.3 | 0.3 | 0.4 | 0.4 |
| B | 5.9 | 4.9 | 5.9 | 5.9 | 5.9 | 5.9 | 5.9 |
| Q202 | | | | | | | |
| E | 0 | 0.1 | 0 | 0 | 0 | 0 | 0 |
| C | 0.3 | 4.4 | 0.4 | 0.3 | 0.3 | 0.4 | 0.4 |
| B | 0.3 | 0.7 | 0.4 | 0.3 | 0.3 | 0.4 | 0.4 |
| Q203 | | | | | | | |
| E | 0 | -25 | 0 | 0 | 0 | 0 | 0 |
| C | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| B | 0.7 | -32 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 |
| Q204 | | | | | | | |
| E | 0 | -24.3 | 0 | 0 | 0 | 0 | 0 |
| C | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| B | 0.7 | -30 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 |
| Q205 | | | | | | | |
| E | 5.3 | 5.4 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 |
| C | 5.3 | -30.5 | 5.2 | 5.2 | 5.2 | 5.2 | 5.3 |
| B | 4.6 | 5.1 | 4.6 | 4.6 | 4.6 | 4.6 | 4.6 |
| Q206 | | | | | | | |
| E | 0.1 | 3.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| C | 5.9 | 4.9 | 5.9 | 5.9 | 5.9 | 5.8 | 5.9 |
| B | 0.2 | 4.5 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |

| MODE | | | | | | | |
|---------|------|-----|------|---------------|-------------------|--------------|---------------|
| PIN No. | STOP | REC | PLAY | REW/ F.FWD | REV/FWD SEARCH | REC PAUSE | PLAY PAUSE |
| Q207 | | | | | | | |
| E | 1.8 | 1.7 | 1.7 | 1.8 | 1.7 | 1.8 | 1.8 |
| C | 5.1 | 5.1 | 5.1 | 5.1 | 5.1 | 5.1 | 5.1 |
| B | 2.4 | 2.4 | 2.4 | 2.4 | 2.4 | 2.4 | 2.4 |
| Q301 | | | | | | | |
| E | 1.7 | 1.7 | 1.1 | 1.7 | 1.7 | 1.7 | 1.1 |
| C | 3.2 | 3.2 | 3.8 | 3.2 | 3.2 | 3.2 | 3.8 |
| B | 2.4 | 2.4 | 1.8 | 2.4 | 2.4 | 2.4 | 1.8 |
| Q302 | | | | | | | |
| E | 1.7 | 1.7 | 1.3 | 1.7 | 1.7 | 1.7 | 1.3 |
| C | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| B | 2.4 | 2.4 | 2.1 | 2.4 | 2.4 | 2.4 | 2.1 |
| Q303 | | | | | | | |
| E | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 |
| C | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| B | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 |
| Q350 | | | | | | | |
| E | 0 | 0 | 0 | 0 | 1.6 | 0 | 0 |
| C | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| B | 0 | 0 | 0 | 0 | 2.1 | 0 | 0 |

VR352

VOLTAGE CHARTS

Hi-Fi AUDIO

| MODE | IC HI-FI AUDIO (IC251) | | | | | | |
|---------|------------------------|-----|------|---------------|-------------------|--------------|---------------|
| PIN No. | STOP | REC | PLAY | REW/ F.FWD | REV/FWD SEARCH | REC PAUSE | PLAY PAUSE |
| 1 | 2.8 | 1.7 | 2.0 | 2.8 | 2.0 | 2.8 | 2.0 |
| 2 | 0.2 | 0 | 0.5 | 0.2 | 0.4 | 0.1 | 0 |
| 3 | 2.0 | 2.5 | 2.2 | 2.0 | 2.2 | 2.2 | 2.5 |
| 4 | 2.0 | 2.0 | 2.7 | 2.0 | 2.7 | 1.9 | 2.0 |
| 5 | 2.5 | 2.5 | 2.3 | 2.5 | 2.4 | 2.5 | 2.5 |
| 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 8 | 0 | 0 | 0 | 0 | 5.1 | 0 | 5.0 |
| 9 | 0.2 | 0.2 | 0.6 | 0.2 | 0.5 | 0.2 | 0.4 |
| 10 | 2.5 | 2.5 | 2.5 | 2.5 | 2.6 | 2.5 | 2.6 |
| 11 | 2.5 | 2.5 | 2.7 | 2.5 | 2.7 | 2.5 | 2.6 |
| 12 | 2.5 | 2.5 | 2.7 | 2.5 | 2.7 | 2.5 | 2.6 |
| 13 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 |
| 14 | 5.1 | 5.1 | 5.1 | 5.1 | 5.1 | 5.0 | 5.0 |
| 15 | 2.5 | 2.5 | 2.6 | 2.5 | 2.7 | 2.5 | 2.6 |
| 16 | 2.5 | 2.5 | 2.7 | 2.5 | 2.7 | 2.5 | 2.6 |
| 17 | 0 | 0 | 4.0 | 0 | 0 | 0 | 0 |
| 18 | 4.2 | 4.2 | 2.8 | 4.2 | 2.8 | 4.2 | 2.8 |
| 19 | 4.2 | 4.2 | 2.8 | 4.2 | 2.8 | 4.2 | 2.8 |
| 20 | 5.1 | 5.1 | 5.1 | 5.1 | 5.1 | 5.1 | 5.1 |
| 21 | 0.3 | 2.5 | 0 | 0.3 | 0 | 2.8 | 0 |
| 22 | 2.0 | 4.2 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 |
| 23 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 24 | 0 | 2.5 | 0 | 0 | 0 | 0 | 0 |
| 25 | 2.0 | 4.2 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 |
| 26 | 2.0 | 4.1 | 2.0 | 2.0 | 2 | 2.0 | 2.0 |
| 27 | 0 | 2.3 | 0 | 0 | 0 | 2.5 | 0 |
| 28 | 0.1 | 1.5 | 3.0 | 0.1 | 3.0 | 1.7 | 2.8 |
| 29 | 2.5 | 2.5 | 2.6 | 2.5 | 2.5 | 2.5 | 2.5 |
| 30 | 5.1 | 5.0 | 5.1 | 5.1 | 5.0 | 5.0 | 5.1 |
| 31 | 4.0 | 4.5 | 4.3 | 4.0 | 4.5 | 3.9 | 4.2 |
| 32 | 4.3 | 4.3 | 4.6 | 4.3 | 4.7 | 3.8 | 4.3 |

| MODE | IC HI-FI AUDIO (IC251) | | | | | | |
|---------|------------------------|-----|------|---------------|-------------------|--------------|---------------|
| PIN No. | STOP | REC | PLAY | REW/ F.FWD | REV/FWD SEARCH | REC PAUSE | PLAY PAUSE |
| 33 | 0 | 0 | 0.7 | 0 | 0.1 | 1.1 | 0 |
| 34 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 35 | 2.0 | 2.0 | 1.9 | 2.0 | 2.0 | 2.0 | 2.0 |
| 36 | 5.1 | 5.1 | 5.1 | 5.1 | 5.1 | 5.1 | 5.1 |
| 37 | 2.5 | 2.5 | 2.7 | 2.5 | 2.8 | 2.5 | 2.7 |
| 38 | 2.5 | 2.5 | 2.8 | 2.5 | 2.7 | 2.5 | 2.7 |
| 39 | 2.5 | 2.3 | 2.7 | 2.5 | 2.8 | 2.5 | 2.7 |
| 40 | 2.5 | 2.5 | 2.8 | 2.5 | 2.8 | 2.5 | 2.7 |
| 41 | 2.5 | 2.5 | 2.7 | 2.5 | 2.8 | 2.5 | 2.7 |
| 42 | 0.2 | 0.1 | 0.6 | 0.2 | 0.5 | 0.1 | 0.4 |
| 43 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 44 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 45 | 2.5 | 2.5 | 1.9 | 2.5 | 2.4 | 2.5 | 2.5 |
| 46 | 2.0 | 1.9 | 2.8 | 2.0 | 2.8 | 2.0 | 2.7 |
| 47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 49 | 0 | 0 | 0.2 | 0 | 0.1 | 0 | 0.2 |
| 50 | 2.0 | 2.4 | 2.4 | 2.0 | 2.3 | 2.5 | 2.1 |
| 51 | 0 | 1.8 | 2.3 | 0 | 2.4 | 0 | 1.6 |
| 52 | 0 | 0 | 0.1 | 0 | 0 | 0 | 0.1 |
| 53 | 1.3 | 1.2 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 |
| 54 | 1.9 | 2.5 | 2.2 | 1.9 | 2.4 | 2.5 | 2.1 |
| 55 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 56 | 4.2 | 4.2 | 4.3 | 4.2 | 4.2 | 4.2 | 4.2 |
| 57 | 2.7 | 2.7 | 2.7 | 2.7 | 2.6 | 2.7 | 2.4 |
| 58 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 |
| 59 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 60 | 8.9 | 9.0 | 9.0 | 9 | 9.0 | 9.0 | 9.0 |
| 61 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 62 | 5.2 | 5.1 | 5.1 | 5.3 | 5.1 | 5.1 | 5.1 |
| 63 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 64 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 |

VR352

VOLTAGE CHARTS

PIF & MPX

| MODE PIN No. | TMI | | | | | | |
|-----------------|------|-----|------|---------------|-------------------|--------------|---------------|
| | STOP | REC | PLAY | REW/ F.FWD | REV/FWD SEARCH | REC PAUSE | PLAY PAUSE |
| 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2 | 2.4 | 2.4 | 2.4 | 2.4 | 2.4 | 2.4 | 2.4 |
| 3 | 5.1 | 5.1 | 5.1 | 5.1 | 5.1 | 5.1 | 5.1 |
| 4 | 5.1 | 5.0 | 5.1 | 5.1 | 5.1 | 5.1 | 5.1 |
| 5 | 1.3 | 1.3 | 1.29 | 1.34 | 1.31 | 1.3 | 1.30 |
| 6 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 3.98 | 4.0 |
| 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 9 | 4.4 | 4.7 | 4.7 | 4.5 | 4.7 | 4.4 | 4.4 |
| 10 | 4.2 | 4.6 | 4.6 | 4.3 | 4.6 | 4.2 | 4.2 |

| MODE PIN No. | TMI | | | | | | |
|-----------------|------|------|------|---------------|-------------------|--------------|---------------|
| | STOP | REC | PLAY | REW/ F.FWD | REV/FWD SEARCH | REC PAUSE | PLAY PAUSE |
| 11 | 5.1 | 5.1 | 5.1 | 5.1 | 5.1 | 5.1 | 5.1 |
| 12 | 5.1 | 5.1 | 5.1 | 5.1 | 5.1 | 5.1 | 5.1 |
| 13 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 14 | 31.5 | 31.7 | 31.6 | 31.6 | 31.6 | 31.5 | 31.6 |
| 15 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 16 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 17 | 2.28 | 2.28 | 2.28 | 2.28 | 2.28 | 2.29 | 2.28 |
| 18 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 19 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 |
| 20 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 |

| MODE PIN No. | IC MPX (IC151) | | | | | | |
|-----------------|----------------|------|------|---------------|-------------------|--------------|---------------|
| | STOP | REC | PLAY | REW/ F.FWD | REV/FWD SEARCH | REC PAUSE | PLAY PAUSE |
| 1 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| 2 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| 3 | 4.2 | 4.6 | 4.6 | 4.2 | 4.6 | 4.2 | 4.2 |
| 4 | 4.4 | 4.7 | 4.7 | 4.4 | 4.7 | 4.4 | 4.4 |
| 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 6 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| 7 | 3.8 | 3.8 | 3.82 | 3.8 | 3.82 | 3.8 | 3.82 |
| 8 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| 9 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| 10 | 4.7 | 4.7 | 4.7 | 4.7 | 4.7 | 4.7 | 4.7 |
| 11 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| 12 | 1.25 | 1.25 | 1.25 | 1.25 | 1.25 | 1.25 | 1.25 |
| 13 | 1.25 | 1.25 | 1.25 | 1.25 | 1.25 | 1.25 | 1.25 |
| 14 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 15 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 |

| MODE PIN No. | IC MPX (IC151) | | | | | | |
|-----------------|----------------|------|------|---------------|-------------------|--------------|---------------|
| | STOP | REC | PLAY | REW/ F.FWD | REV/FWD SEARCH | REC PAUSE | PLAY PAUSE |
| 16 | 9.1 | 9.1 | 9.1 | 9.1 | 9.1 | 9.1 | 9.1 |
| 17 | 4.0 | 4.0 | 3.98 | 3.98 | 3.98 | 3.98 | 3.98 |
| 18 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| 19 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 |
| 20 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 |
| 21 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| 22 | 3.9 | 3.94 | 3.94 | 3.94 | 3.94 | 3.94 | 3.94 |
| 23 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| 24 | 1.85 | 1.85 | 1.85 | 1.85 | 1.85 | 1.85 | 1.85 |
| 25 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| 26 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| 27 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 |
| 28 | 3.96 | 3.96 | 3.96 | 3.96 | 3.96 | 3.96 | 3.96 |
| 29 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 30 | 3.98 | 3.98 | 3.98 | 3.98 | 3.98 | 3.97 | 3.98 |

| MODE PIN No. | | | | | | | |
|-----------------|------|-----|------|---------------|-------------------|--------------|---------------|
| | STOP | REC | PLAY | REW/ F.FWD | REV/FWD SEARCH | REC PAUSE | PLAY PAUSE |
| Q101 | | | | | | | |
| E | 2.6 | 2.6 | 2.56 | 2.62 | 2.56 | 2.62 | 2.55 |
| C | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| B | 1.9 | 1.9 | 1.85 | 1.91 | 1.84 | 1.9 | 1.83 |

| MODE PIN No. | | | | | | | |
|-----------------|------|------|------|---------------|-------------------|--------------|---------------|
| | STOP | REC | PLAY | REW/ F.FWD | REV/FWD SEARCH | REC PAUSE | PLAY PAUSE |
| Q102 | | | | | | | |
| E | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| C | 0.17 | 0.17 | 0.17 | 0.17 | 0 | 0.17 | 0 |
| B | 0 | 0 | 0 | 0 | 5.1 | 0 | 5.1 |

VR352

VOLTAGE CHARTS

CBC & COMMERCIAL ADVANCE

| MODE | | | | | | | |
|---------|------|------|------|---------------|-------------------|--------------|---------------|
| PIN No. | STOP | REC | PLAY | REW/ F.FWD | REV/FWD SEARCH | REC PAUSE | PLAY PAUSE |
| QB01 | | | | | | | |
| E | 4.37 | 4.34 | 4.38 | 4.37 | 4.37 | 4.38 | 4.37 |
| C | 5.17 | 5.14 | 5.17 | 5.17 | 5.17 | 5.17 | 5.17 |
| B | 5.13 | 5.09 | 5.13 | 5.12 | 5.12 | 5.13 | 5.12 |

| MODE | | | | | | | |
|---------|------|------|------|---------------|-------------------|--------------|---------------|
| PIN No. | STOP | REC | PLAY | REW/ F.FWD | REV/FWD SEARCH | REC PAUSE | PLAY PAUSE |
| QB02 | | | | | | | |
| E | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| C | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| B | 0.78 | 0.75 | 0.78 | 0.77 | 0.77 | 0.77 | 0.77 |

| MODE | IC CM.A (ICC01) | | | | | | |
|---------|-----------------|-------|------|---------------|-------------------|--------------|---------------|
| PIN No. | STOP | REC | PLAY | REW/ F.FWD | REV/FWD SEARCH | REC PAUSE | PLAY PAUSE |
| 1 | 5.03 | 5.0 | 5.01 | 5.0 | 5.0 | 5.0 | 5.0 |
| 2 | 3.6 | 1.2 | 1.2 | 3.6 | 1.2 | 1.2 | 1.2 |
| 3 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 |
| 4 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 |
| 5 | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 | 2.28 | 2.3 |
| 6 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 7 | 0 | 0-2.1 | 2.9 | 0 | 0 | 0-2.4 | 0 |
| 8 | 0 | 0 | 0.9 | 0 | 0 | 0 | 0 |
| 9 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 |
| 10 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 |
| 11 | 5.0 | 0-5.0 | 5.0 | 0 | 0 | 0-5.0 | 0 |
| 12 | 4.9 | 1.4 | 1.4 | 5 | 1.2 | 1.4 | 1.4 |
| 13 | 4.9 | 1.4 | 1.4 | 5 | 1.2 | 1.4 | 1.4 |
| 14 | 4.0 | 4.4 | 1.0 | 4.4 | 4.5 | 4.5 | 4.2 |
| 15 | 0 | 0 | 2.8 | 0 | 0 | 0 | 0.9 |
| 16 | 4.5 | 4.7 | 1.35 | 4.8 | 4.8 | 4.8 | 4.6 |
| 17 | 3.4 | 3.4 | 3.3 | 3.3 | 3.3 | 3.3 | 3.6 |
| 18 | 0 | 0 | 0.57 | 0 | 0.6 | 0.57 | 0.57 |

| MODE | IC CM.A (ICC01) | | | | | | |
|---------|-----------------|-----|------|---------------|-------------------|--------------|---------------|
| PIN No. | STOP | REC | PLAY | REW/ F.FWD | REV/FWD SEARCH | REC PAUSE | PLAY PAUSE |
| 19 | 0 | 0 | 2.9 | 0 | 0 | 0 | 0 |
| 20 | 0 | 0 | 1.6 | 0 | 0 | 0 | 0.7 |
| 21 | 3.6 | 3.2 | 3.18 | 3.6 | 3.2 | 3.2 | 3.1 |
| 22 | 3.6 | 1.7 | 1.73 | 3.6 | 1.6 | 1.74 | 1.7 |
| 23 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 24 | 1.6 | 1.7 | 1.7 | 1.6 | 1.7 | 1.7 | 1.7 |
| 25 | 0 | 4.9 | 4.9 | 0 | 4.9 | 4.9 | 4.9 |
| 26 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 27 | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 |
| 28 | 1.8 | 3.0 | 3.0 | 1.8 | 2.7 | 3.0 | 3.0 |
| 29 | 2.5 | 2.5 | 2.5 | 2.5 | 2.4 | 2.5 | 2.5 |
| 30 | 1.8 | 3.0 | 3.1 | 1.8 | 2.7 | 2.8 | 3.1 |
| 31 | 2.5 | 3.1 | 3.0 | 2.5 | 3.1 | 3.2 | 3.0 |
| 32 | 2.0 | 2.4 | 2.5 | 2.0 | 2.5 | 2.4 | 2.5 |
| 33 | 2.0 | 3.0 | 3.3 | 2.0 | 2.6 | 2.8 | 3.2 |
| 34 | 3.0 | 2.9 | 3.0 | 3.0 | 3.0 | 2.9 | 3.0 |
| 35 | 5.1 | 5.0 | 0 | 5.1 | 5.1 | 5.1 | 5.1 |
| 36 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

| MODE | | | | | | | |
|---------|------|-----|------|---------------|-------------------|--------------|---------------|
| PIN No. | STOP | REC | PLAY | REW/ F.FWD | REV/FWD SEARCH | REC PAUSE | PLAY PAUSE |
| QC02 | | | | | | | |
| E | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| C | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 |
| B | 2.2 | 2.1 | 2.2 | 2.2 | 2.2 | 2.1 | 2.2 |
| QC04 | | | | | | | |
| E | 0.17 | 1.2 | 1.35 | 0.17 | 1.2 | 1.2 | 1.5 |
| C | 5.1 | 5.1 | 5.1 | 5.1 | 5.1 | 5.1 | 5.1 |
| B | 0.75 | 1.7 | 2.0 | 0.75 | 1.4 | 1.8 | 2.1 |

| MODE | | | | | | | |
|---------|------|------|------|---------------|-------------------|--------------|---------------|
| PIN No. | STOP | REC | PLAY | REW/ F.FWD | REV/FWD SEARCH | REC PAUSE | PLAY PAUSE |
| QC05 | | | | | | | |
| E | 1.2 | 0 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 |
| C | 5.1 | 5.1 | 5.1 | 5.1 | 5.1 | 5.1 | 5.1 |
| B | 1.8 | 0.12 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 |
| QC06 | | | | | | | |
| E | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| C | 0 | 1.6 | 1.2 | 0 | 0 | 1.5 | 0 |
| B | 5.1 | 0 | 0 | 5.1 | 5.1 | 0 | 5.1 |