SCHEMATIC OF THE Copyright © 1977 Heath Company All Rights Reserved HEATHKIT® H8-2 PARALLEL I/O CARD Part of 595-2033-02 CHANNELS Ø.1, AND 2 ARE IDENTICAL. RESISTORS, DIODES, AND IC'S FOR THESE CHANNELS ARE BROKEN DOWN INTO THE FOLLOWING GROUPS. 2. ALL RESISTORS ARE 1/4-WATT, 5% UNLESS SHOWN OTHERWISE VALUES ARE SHOWN IN OHMS (k-1000). CHANNEL Ø

A. RESISTORS 105-108.
B DIODES 100-107.
C. IC'S 103-109. CAPACITOR VALUES ARE IN MICROFARADS (μF) UNLESS SHOWN OTHERWISE. 0/0 4. SYMBOLS: CHANNEL 1
A. RESISTORS 115-118.
B. DIODES 110-117.
C. IC'S 113-119. INDICATES A LETTERED CIRCUIT BOARD HOLE ✓ INDICATES A CONNECTOR SOCKET AND PLUG CHANNEL 2 INDICATES CIRCUIT BOARD GROUND A RESISTORS 125-128.
B. DIODES 120-127.
C. IC'S 123-129. O INDICATES THE SYSTEM BUS ICI31A IC131B IC132B IC139B (L) Q131 IC141F 1C141E 1C109E IC139A I/O CHANNEL Ø IC102B IC139B IC107B TXC IC136B 1C102C IC139C IC102D IC139D IC102A IC139E IC101B IC101C IC141A IC138 IC134 IC135 IC101D IC136A IC141B IC101A IC103 IC104 IC133B IC133A IC141C IC107A IC141D IC142B IC137 IC106B ICI06A IC106C IC109B IC109C IC106D IC109F IC109A IC105D ICIOSA 443-841 SYNCHRONIZER/DRIVER IC143 IC132A IC142A RESET IC142C 1C108B 443-841 SYNCHRONIZER/DRIVER RTS IC105B IC109D IC105A IC 138 443-53 IC 118 443-841 IC 113 443-776 IC 133 443-822 IC 103 443-776 IC 107 443-841 ↓8 IC 112 443-696 IC 116 443-54 IC 131 443-731 IC IC IC 105 IC 109 443-755 IC 114 443-761 IC 115 443-46 IC 117 443-841 IC 119 443-755 IC 132 IC 108 443-641 IC 111 443-698 IC 104 102 106 IC 143 443-753 1C 127 443-841 I C 136 443-822 IC

IC 122 443-698

IC

121

1C 123 443-776

1C 124 443-761

IC 125 443-46

IC

126 443-54

IC 128 443-841

IC 129 443-755

IC 134 443-53

IC 135

IC 137 443-754

IC 141 443-755

142

IC 139 443-755