

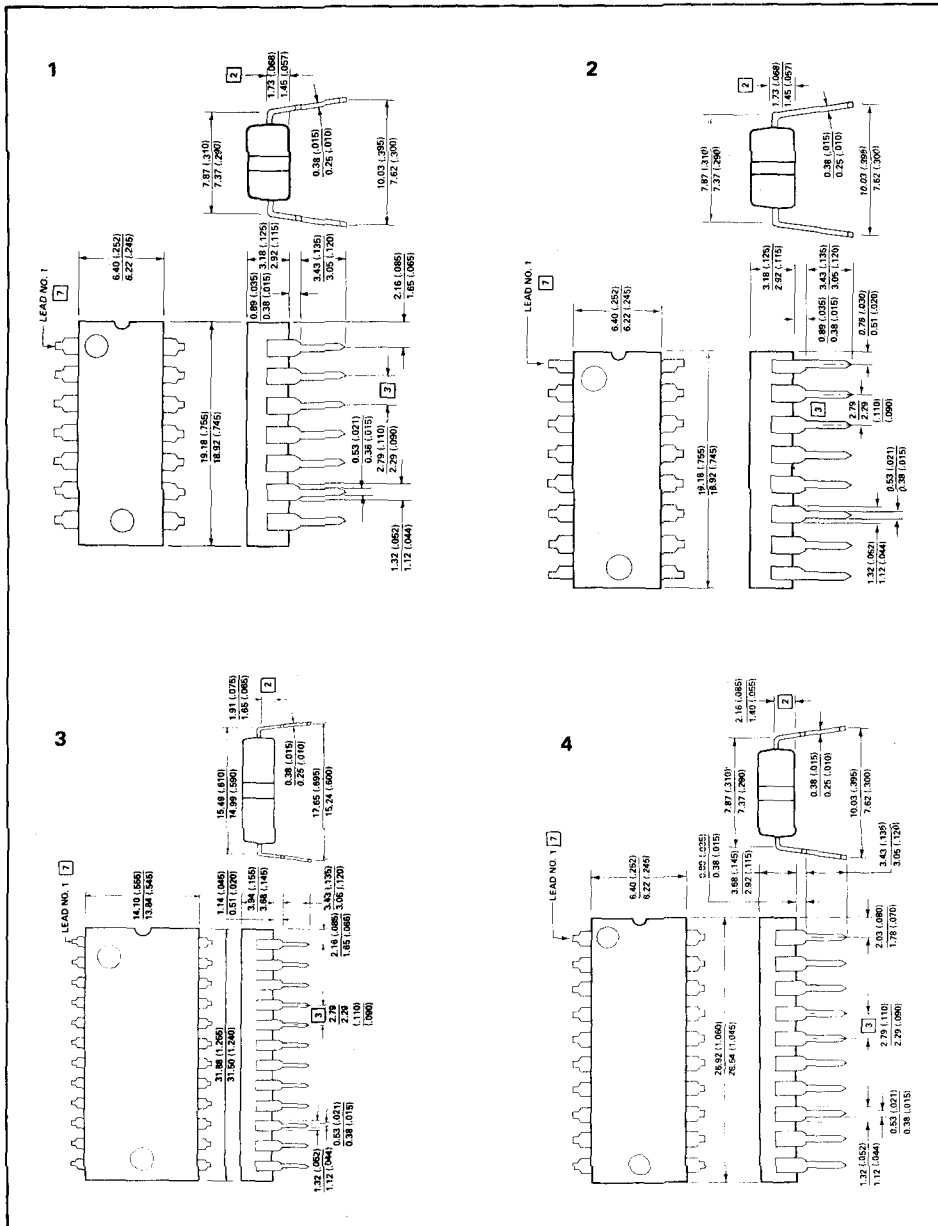
Signetics

Integrated Circuits TTL

TYPE NO	DESCRIPTION	STOCK NO.	OUTLINE DRWG. NO.	CONNECTION DIAG. NO.
N7476N	Dual J-K Master-Slave F/F	55234X	2	B55
N7480N	Gated Full Adder	55235H	1	B56
N7483N	4-Bit Binary Full Adder	55236F	2	B57
N7483AN	4-Bit Binary Full Adder	55344R	2	B57
N7485N	4-Bit Magnitude Comparator	55237D	2	B59
N7486N	Quad 2-Input Exclusive OR Gate	55238B	1	B60
N7490N	Decade Counter	55239X	1	B61
N7491N	8-Bit Shift Register	55240C	1	B62
N7492N	Divide-By-Twelve Counter	55241A	1	B63
N7493N	4-Bit Binary Counter	55242X	1	B64
N7494N	4-Bit Shift Register (PISO)	55243H	2	B65
N7495N	4-Bit Left-Right Shift Register	55244F	1	B66
N7496N	5-Bit Shift Register	55245D	2	B67
N74100N	4-Bit Bistable Latch (Dual)	55246B	3	B68
N74107N	Dual J-K Master-Slave F/F	55247X	1	B69
N74109N	Dual J-K Positive Edge Triggered F/F	55248R	2	B70
N74116N	Dual 4-Bit Latch with clear	55249G	3	B71
N74121N	Monostable Multivibrator	55250X	1	B72
N74122N	Retriggerable Monostable Multivibrator	55251H	1	B73
N74123N	Retriggerable Monostable Multivibrator	55252F	2	B74
N74125N	Quad Bus Buffer Gate w/Tri-state outputs	55253D	1	B75
N74126N	Quad Bus Buffer Gate w/Tri-state outputs	55254B	1	B76
N74128N	Quad 2-Input NOR Buffer	55255X	1	B77
N74132N	Quad Schmitt Trigger	55256R	1	B78
N74145N	BCD-to-Decimal Decoder/Drive with O/C	55257G	2	B79
N74147N	10-Line to 4-Line Priority Encoder	55258E	2	B80
N74148N	8-Line to 3-Line Priority Encoder	55259C	2	B81
N74150N	16-Line to 1-Line Mux	55260F	2	B82
N74151N	8-Line to 1-Line Mux	55261D	2	B83
N74153N	Dual 4-Line to 1-Line Mux	55262B	2	B84
N74154N	4-Line to 16-Line Decoder/Demux	55263X	3	B85
N74155N	Dual 2-Line to 4-Line Decoder/Demux	55264R	2	B86
N74156N	2-Line to 4-Line Decoder/Demux	55265G	2	B86
N74157N	Quad 2-Input Data Selector (non-inu.)	55266E	2	B88
N74158N	Quad 2-Input Data Selector (inv.)	55267C	2	B89
N74160N	Synchronous 4-Bit Decode Counter	55268A	2	B90
N74161N	Synchronous 4-Bit Binary Counter	55269X	2	B90
N74162N	Synchronous 4-Bit Decode Counter	55270B	2	B90
N74163N	Synchronous 4-Bit Binary Counter	55271X	2	B90
N74164N	8-Bit Parallel Out Serial Shift Register	55272R	1	B94
N74165N	Parallel-Load 8-Bit Shift Register	55273G	2	B95
N74166N	8-Bit Shift Register	55274E	2	B96
N74170N	4 x 4 Register File	55275C	2	B97
N74173N	Quad D-Type F/F (Tri-State) (8T10)	55276A	2	B98
N74174N	Hex D-Type F/F with Clear	55277X	2	B99
N74175N	Quad D-Type Edge-Triggered F/F	55278H	2	B100
N71176N	Presetable Decade Counter/Latch (8270)	55279F	1	B101
N74177N	Presetable Binary Counter/Latch (8271)	55280R	1	B101
N74178N	4-Bit Parallel Access Shift Reg (8280)	55281G	2	B103
N74179N	4-Bit Parallel Shift Reg (8281)	55282E	2	B104
N74180N	8-Bit Odd/Even Parity Checker	55283C	1	B105
N74181N	4-Bit Arithmetic Logic Unit	55284A	3	B106
N74182N	Look-Ahead Carry Generator	55285X	2	B107
N74190N	Synchronous Up/Down Counter (BCD)	55286H	2	B108
N74191N	Synchronous Up/Down Counter (Binary)	55287F	2	B109
N74192N	Synchronous Decade Up/Down Counter	55288D	2	B110
N74193N	Synchronous 4-Bit Binary Up/Down Counter	55289B	2	B110
N74194N	4-Bit Bidirectional Universal Sh ft Reg.	55290E	2	B112
N74195N	4-Bit Parallel Access Shift Reg.	55291C	2	B113
N74196N	Presetable Decade Counter/Latch (8290)	55292A	1	B114
N74197N	Presetable Binary Counter/Latch (8291)	55293X	1	B114
N74198N	8-Bit Shift Register	55294H	3	B116
N74199N	8-Bit Shift Register	55295F	3	B117
N74221N	Dual Monostable Multivibrator	55296D	2	B118
N74279N	Quad S-R Latch	55297B	1	B119
N74298N	Quad 2-Input Mux with Storage	55300X	2	B122

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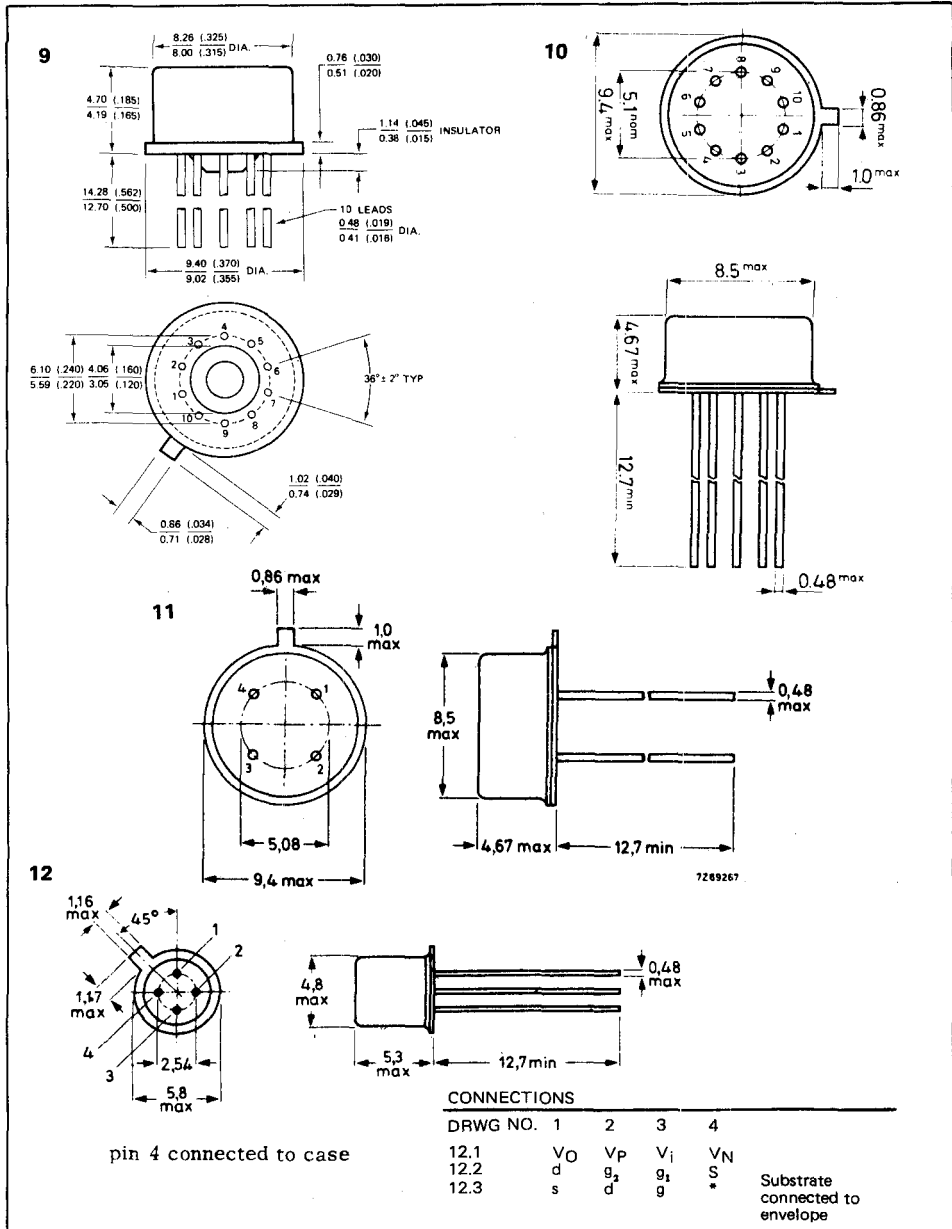


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Outline Drawings

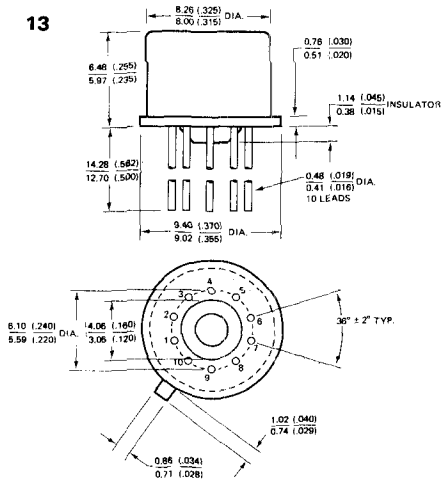




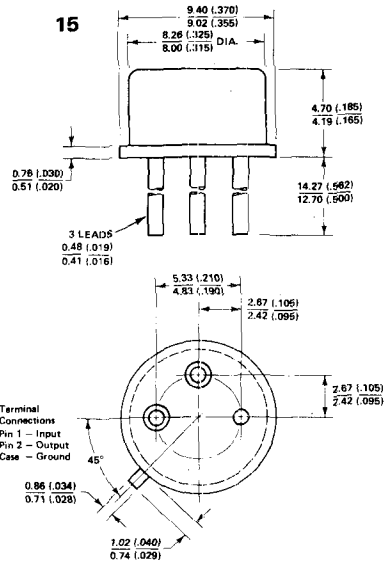
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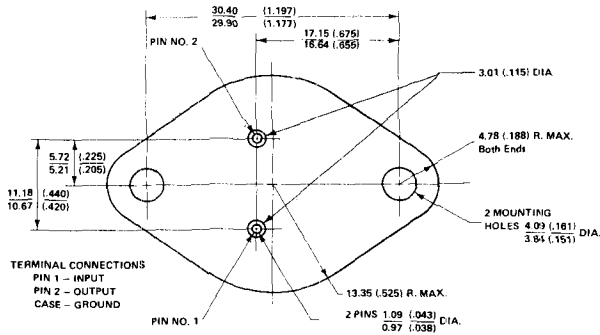
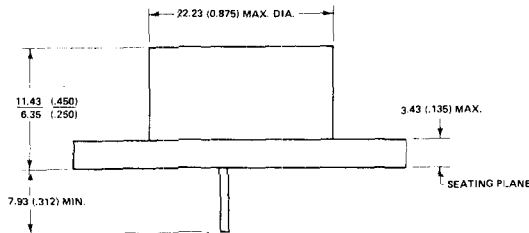
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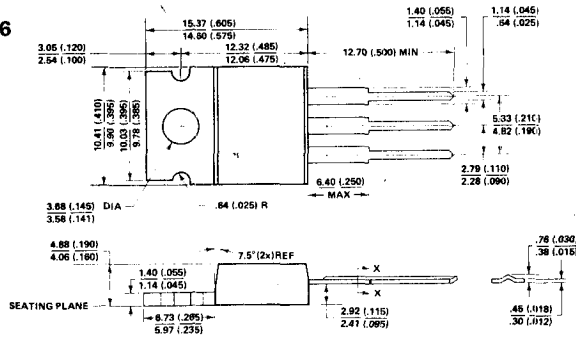
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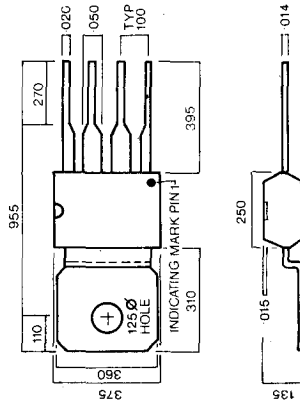
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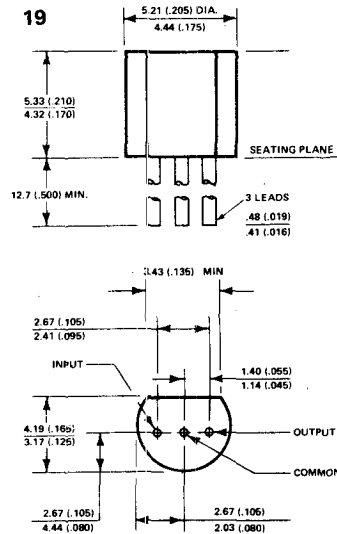
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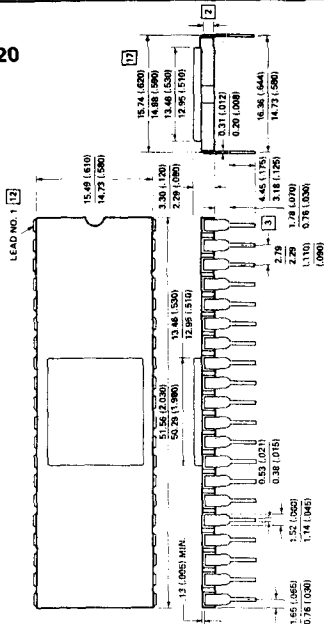
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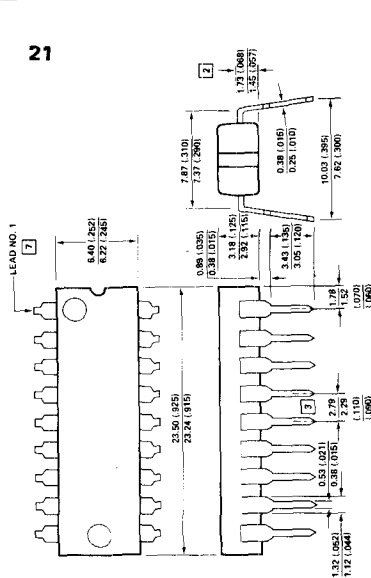
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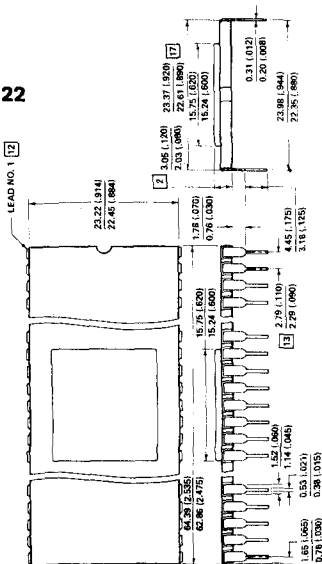
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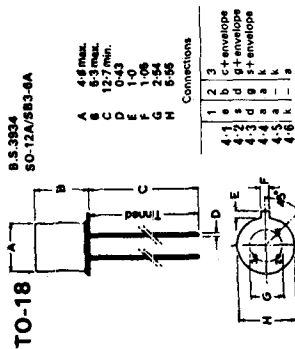
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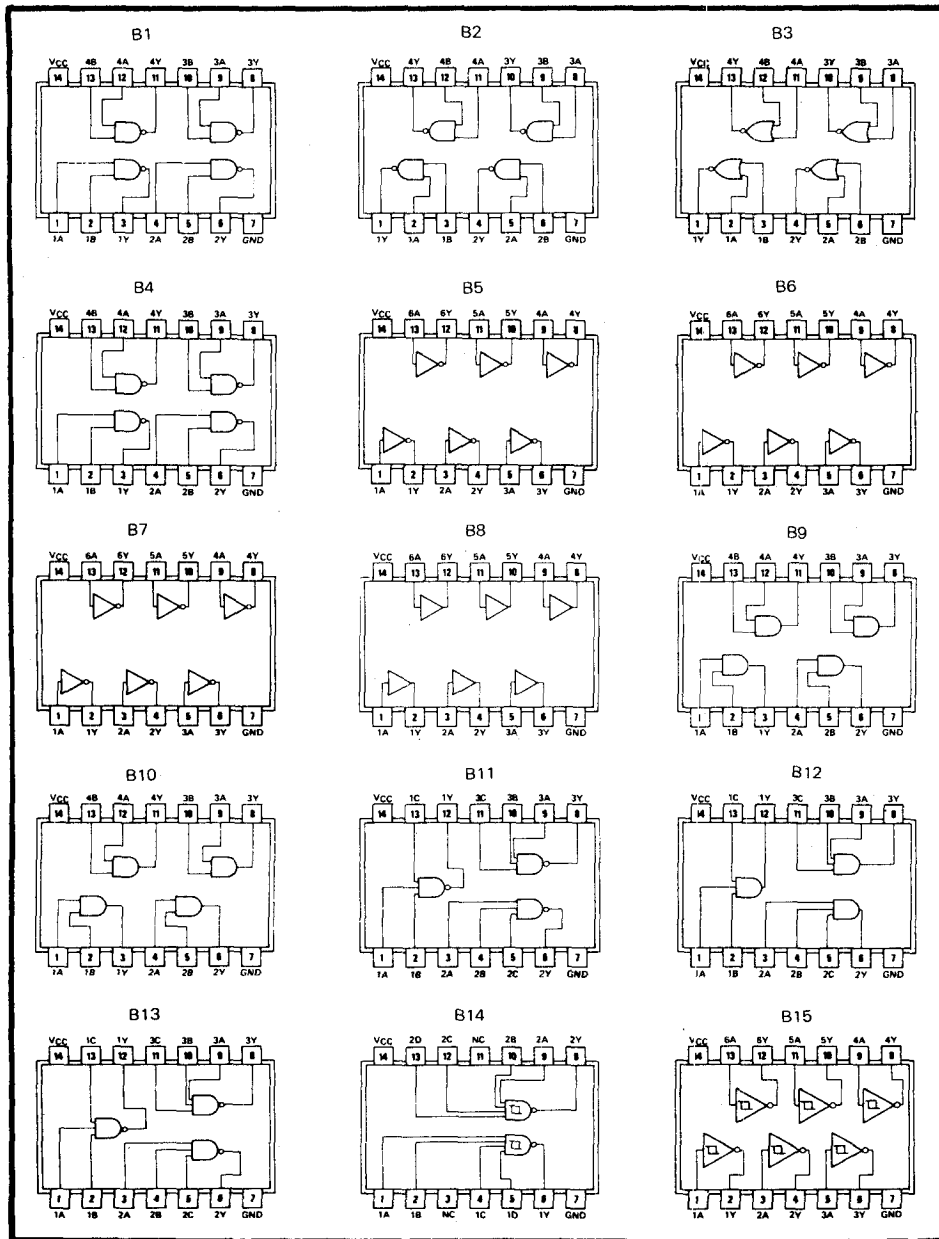


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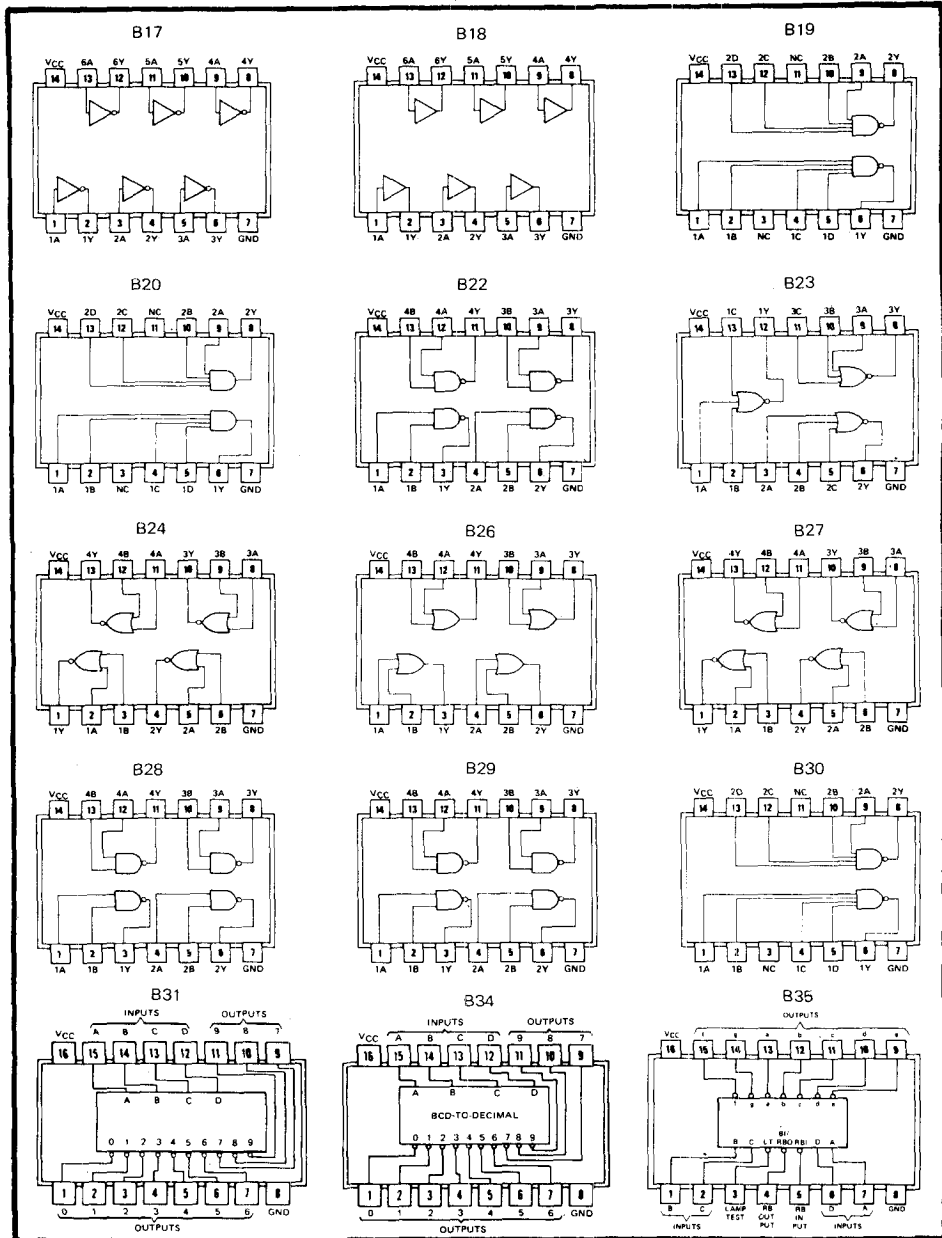


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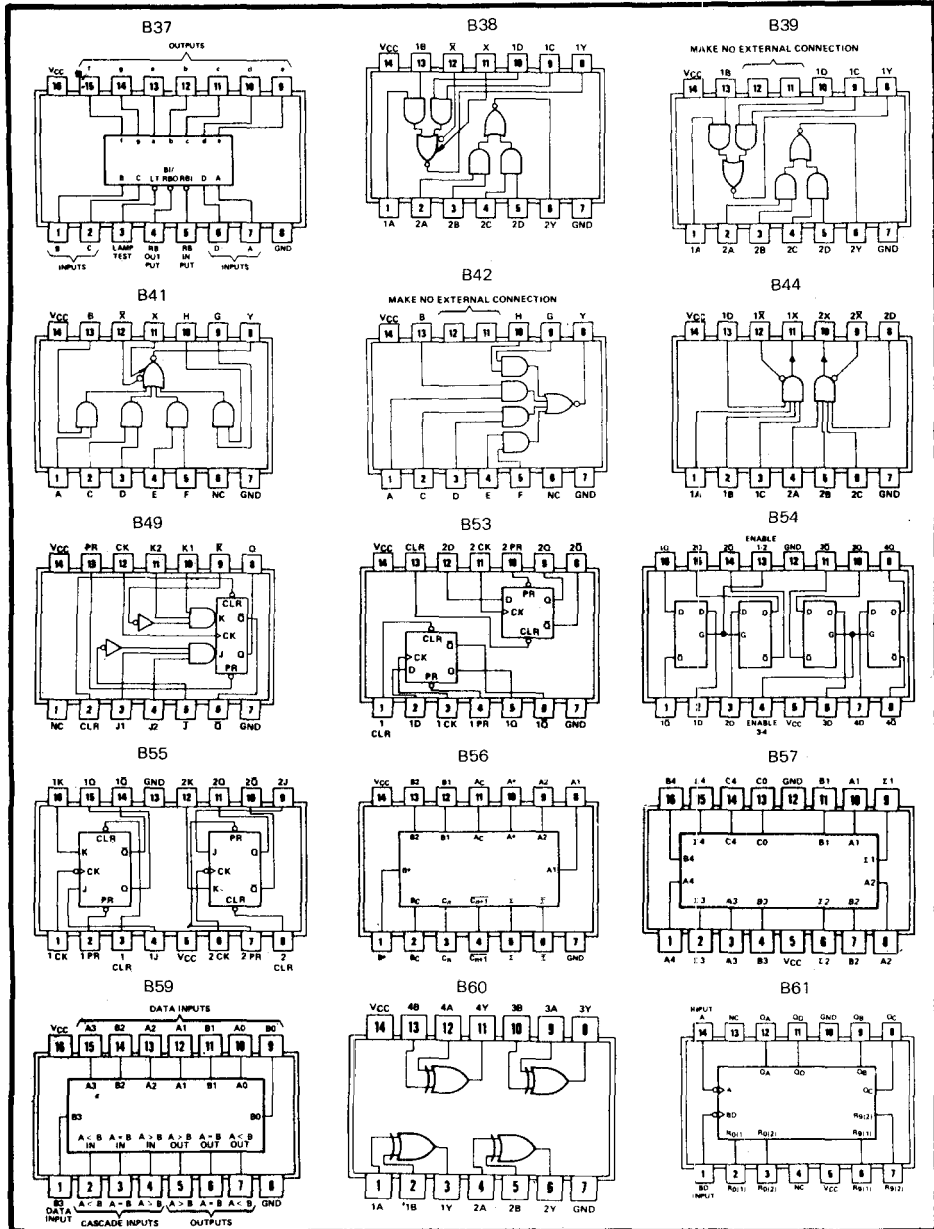
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Connection Diagram



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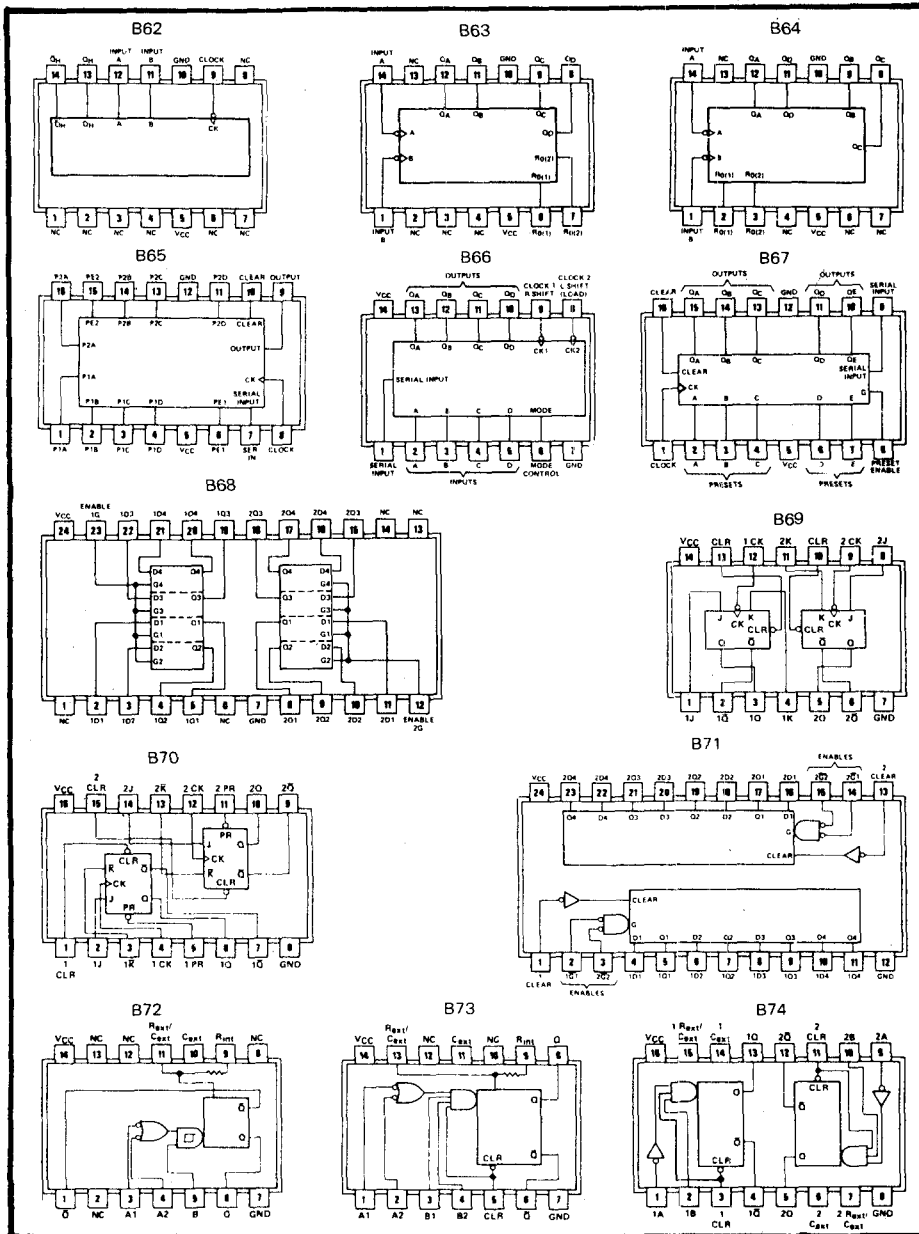


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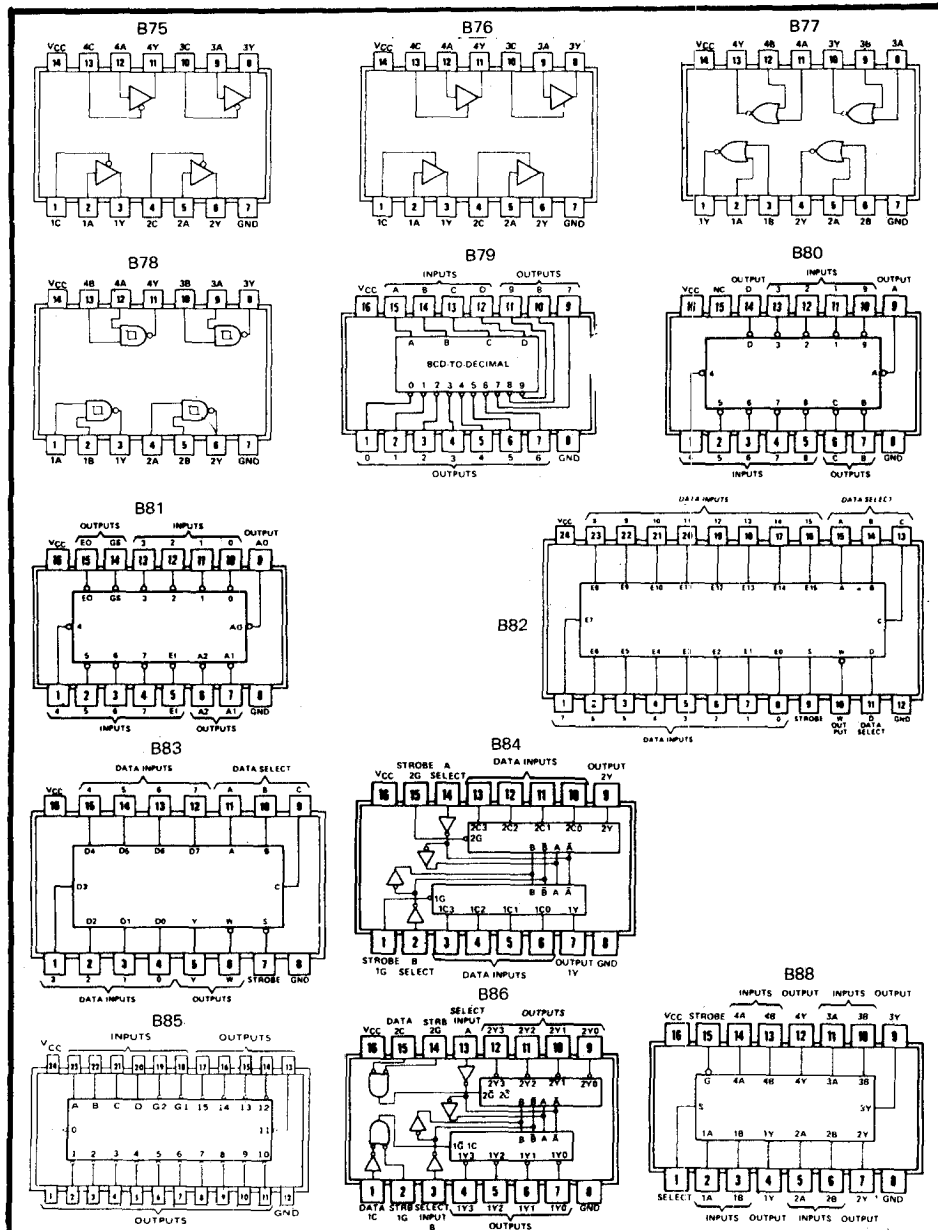


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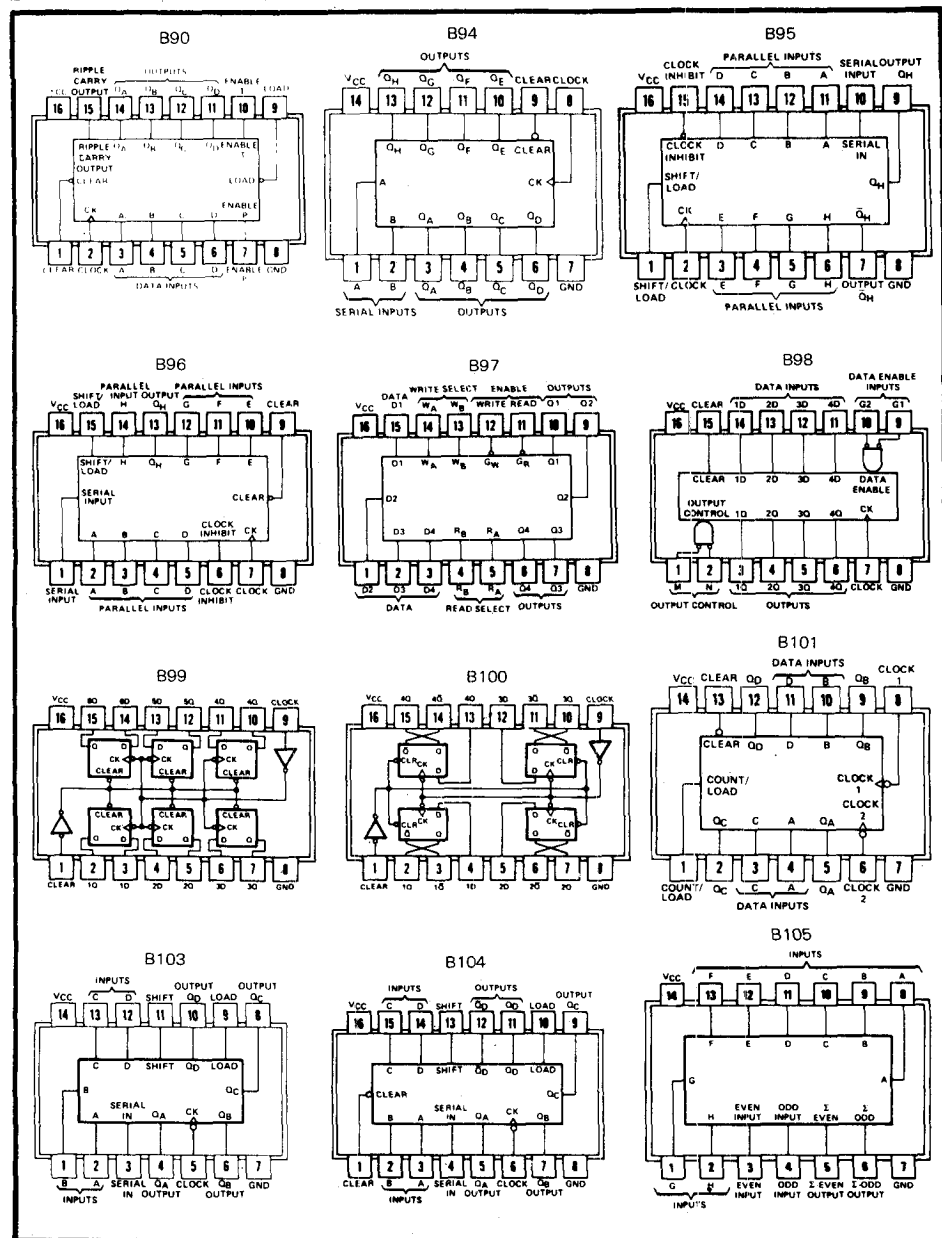
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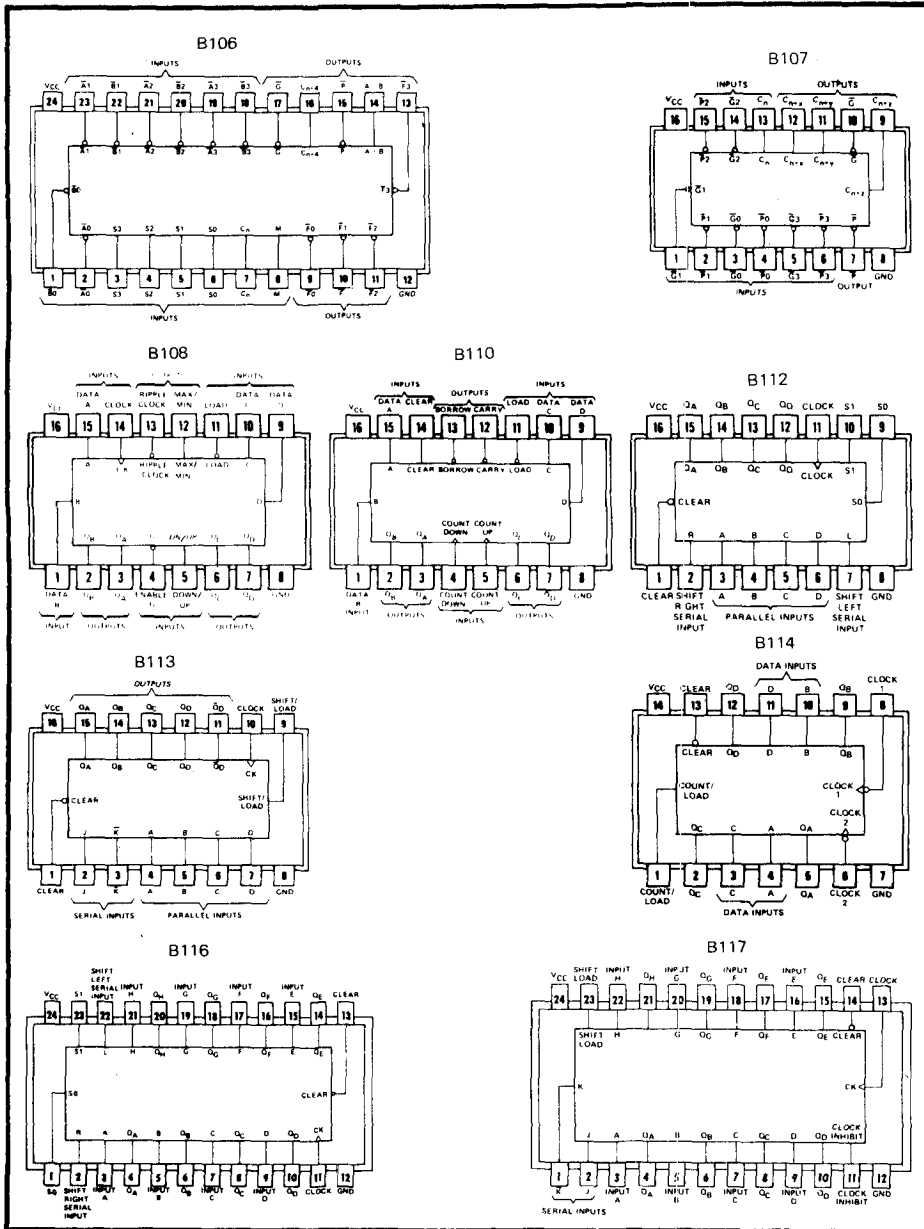
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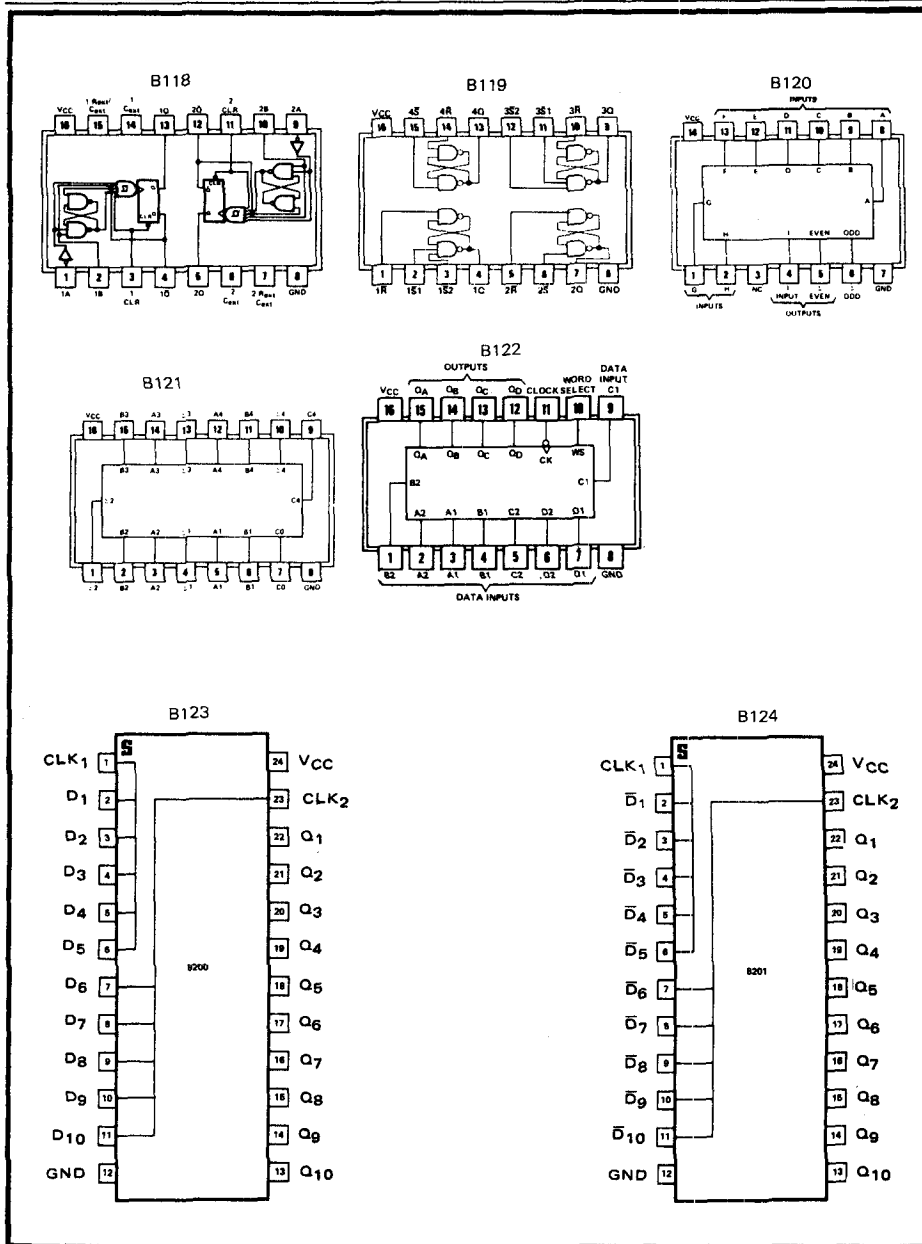
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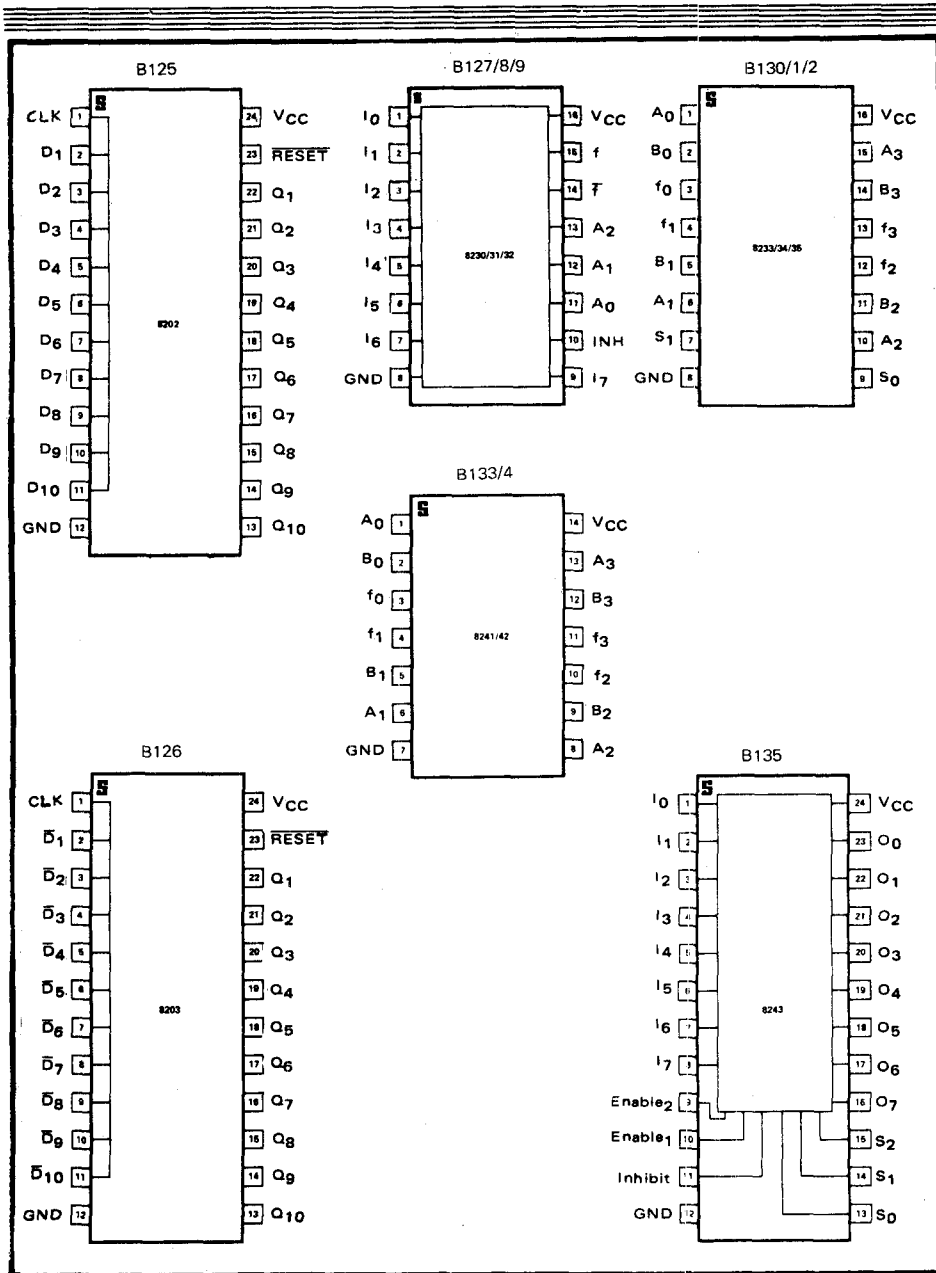
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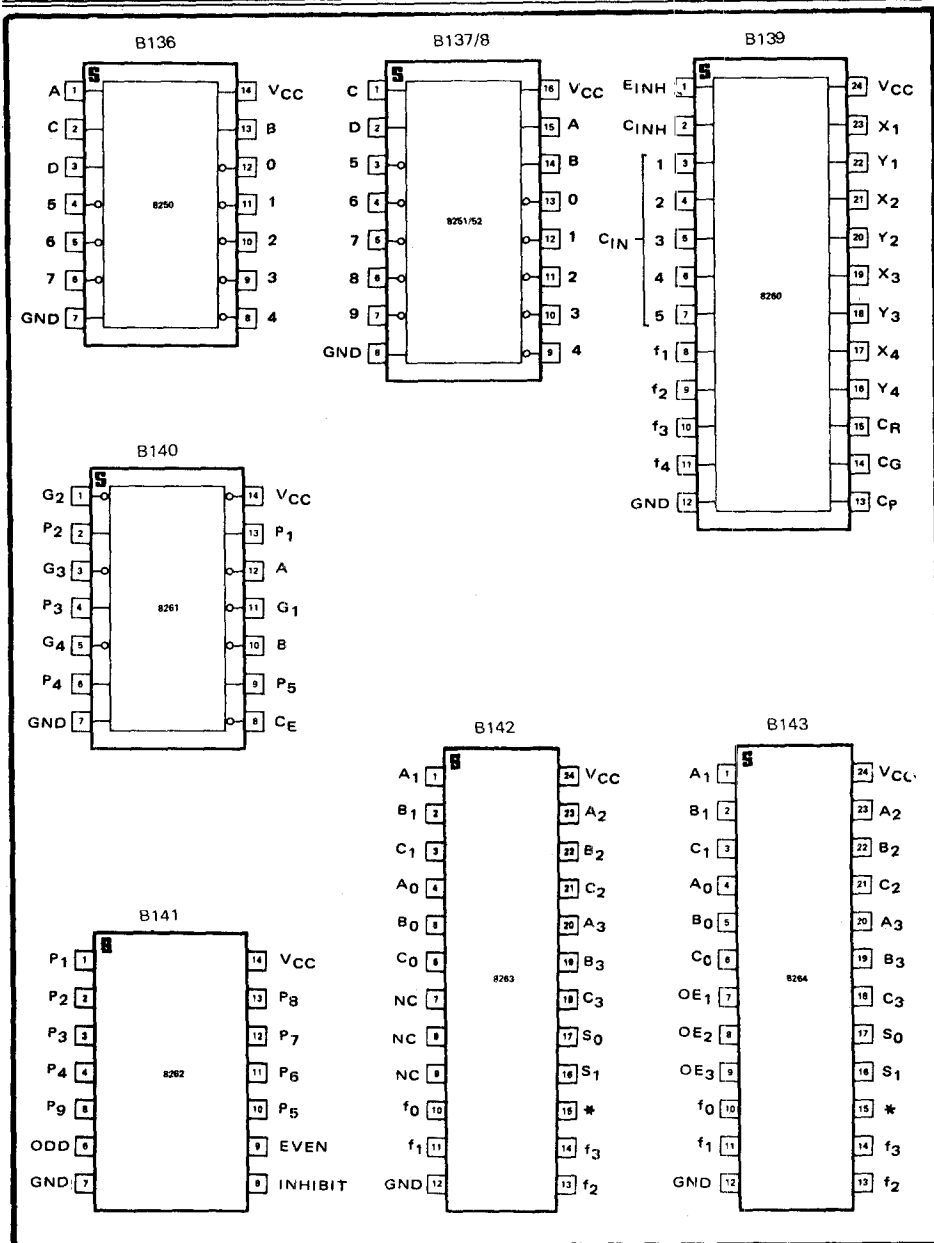
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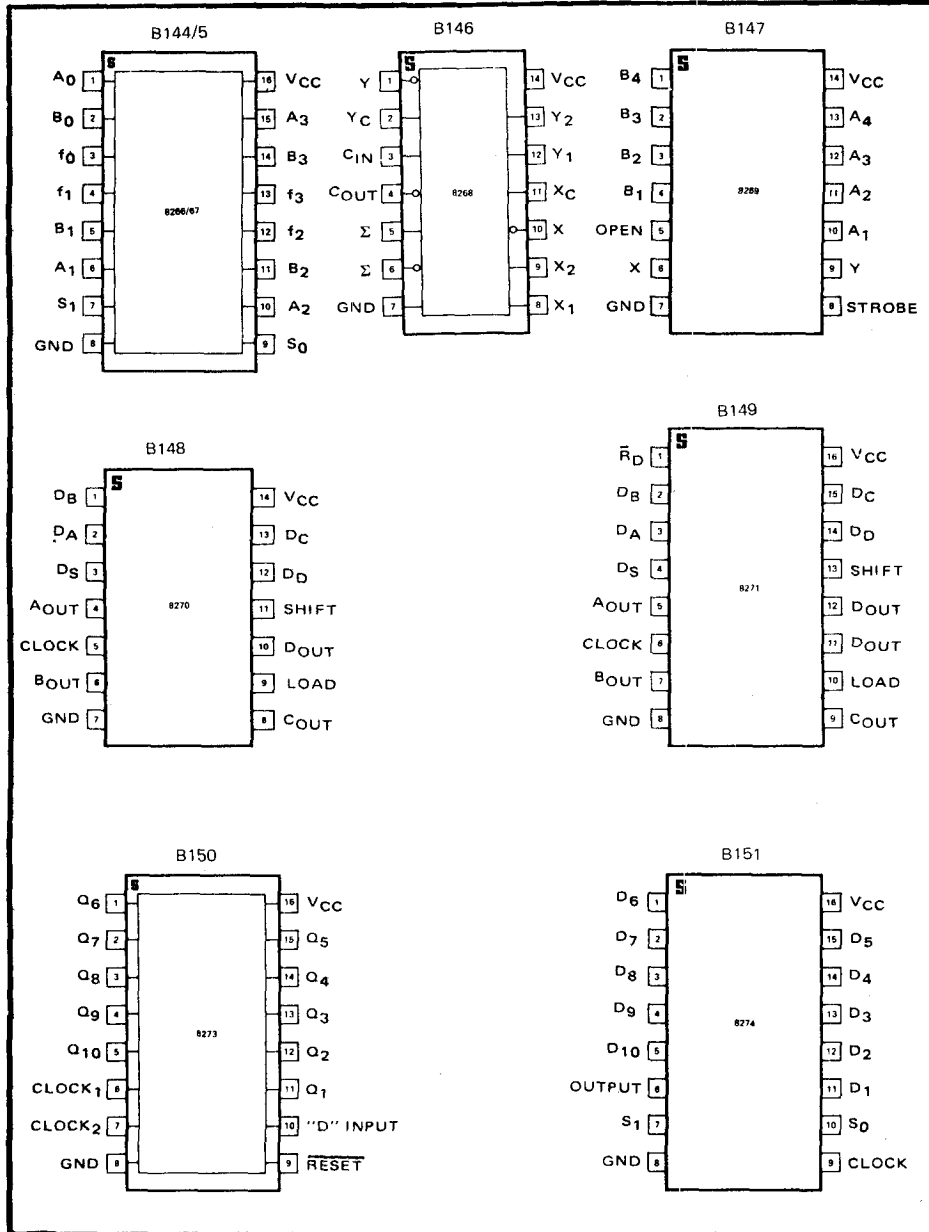
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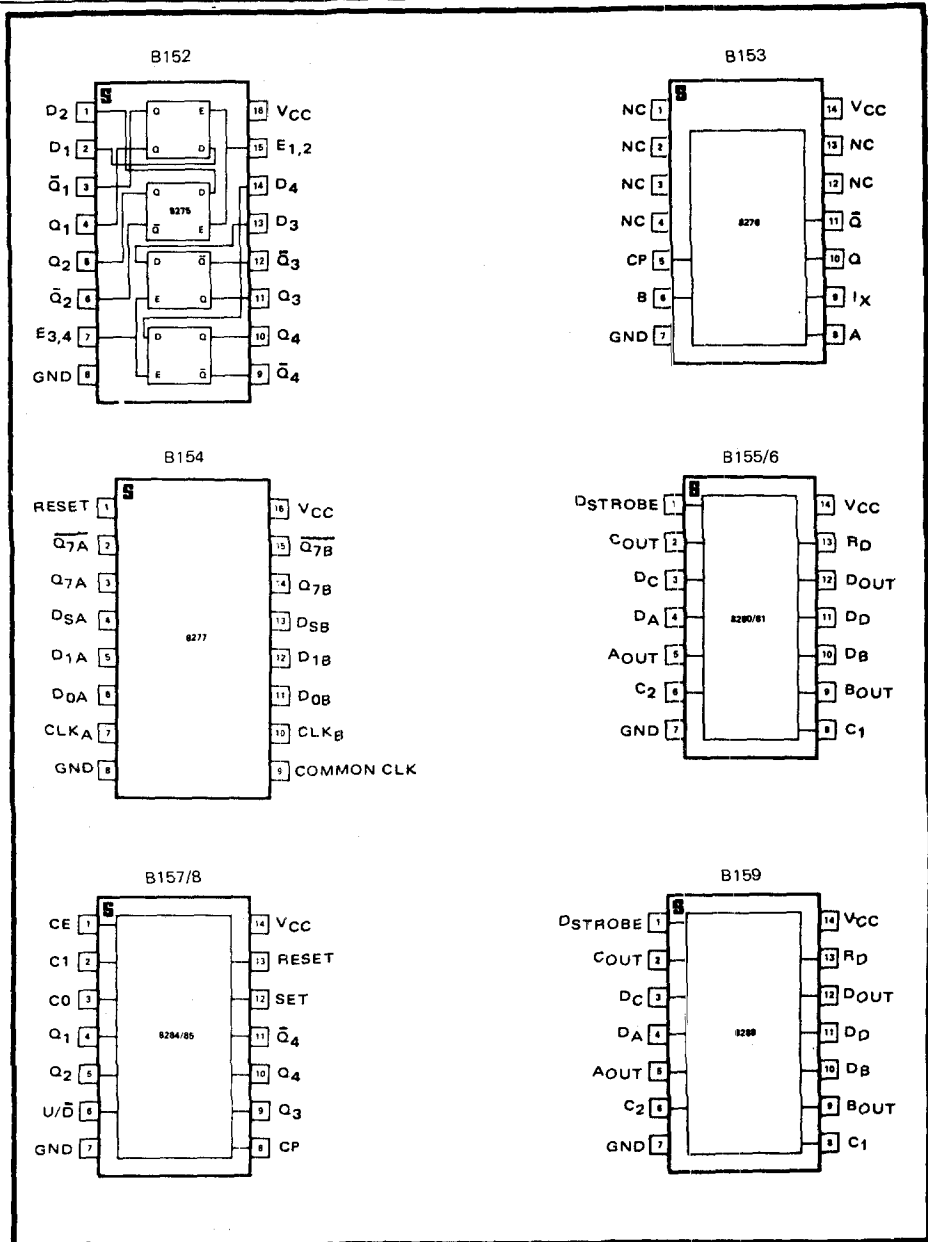
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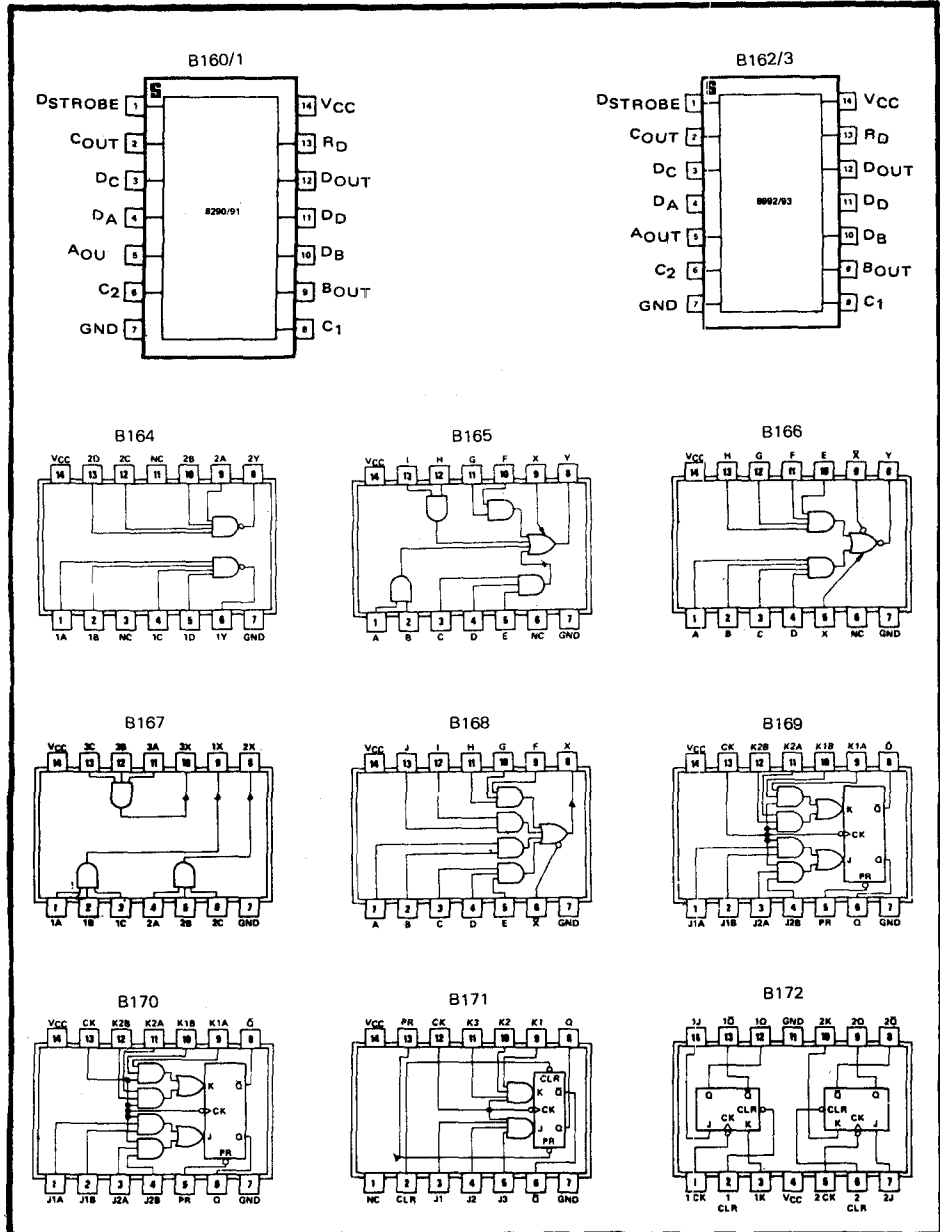
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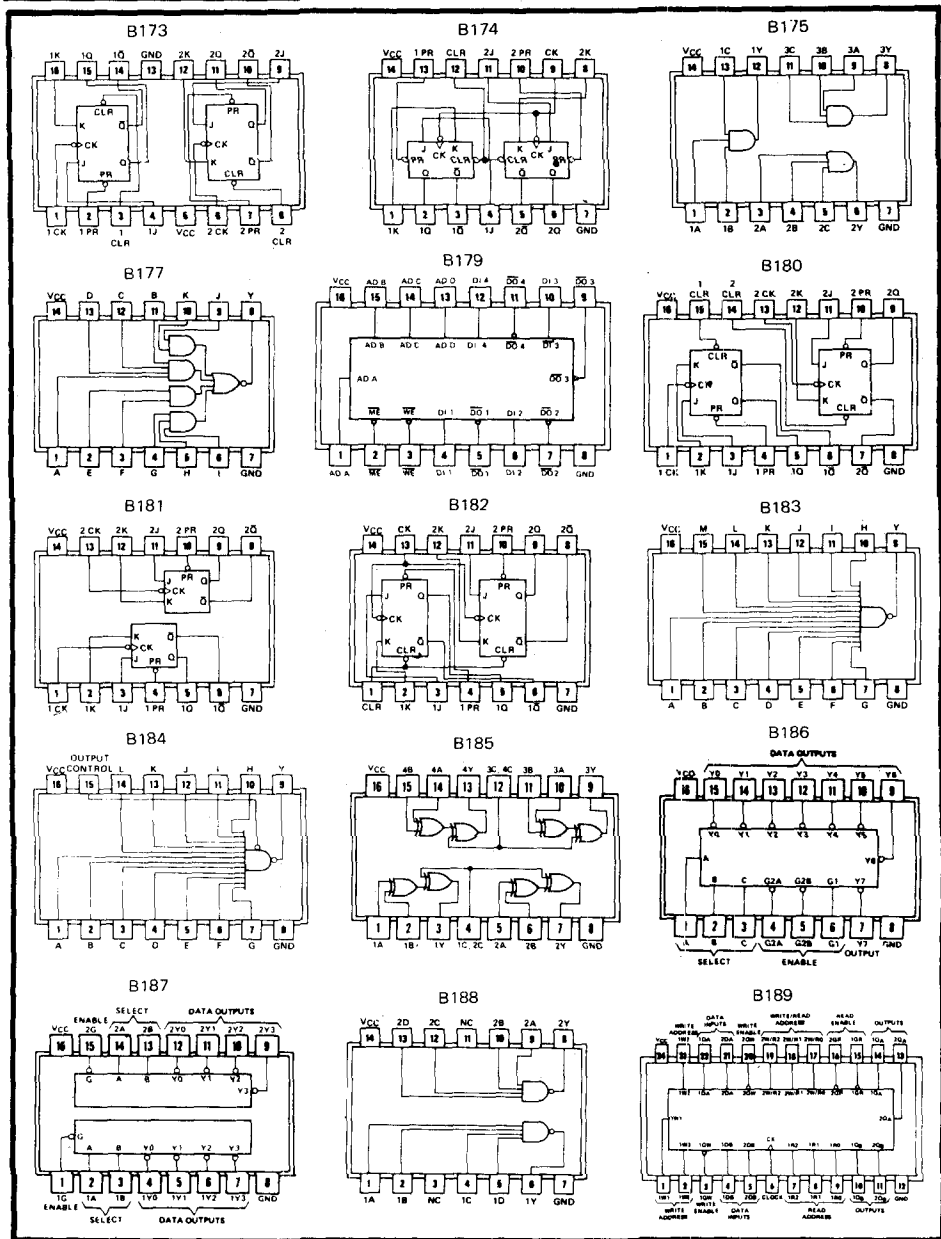


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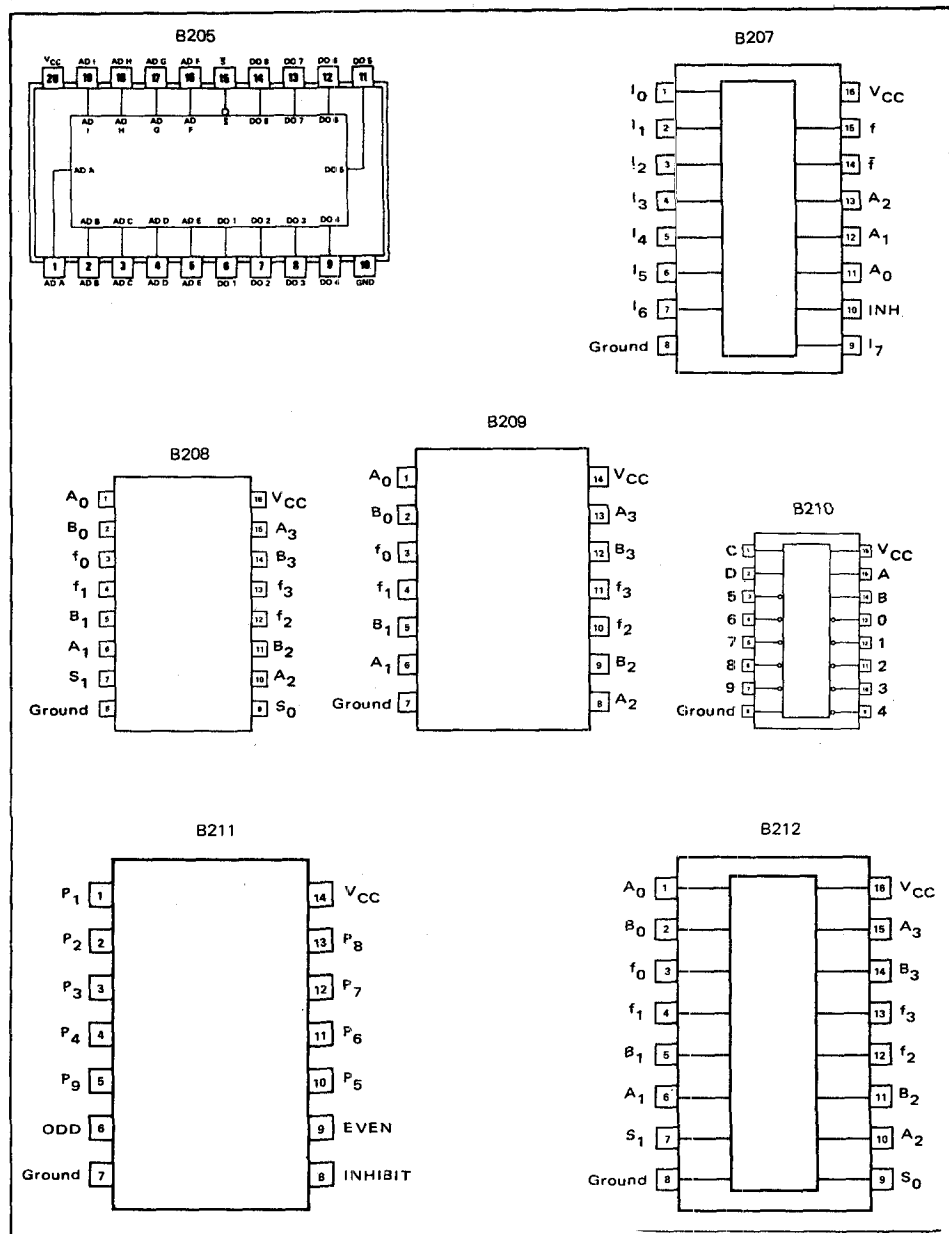
The image displays 16 logic diagrams for integrated circuits, arranged in a grid. Each diagram is labeled with a part number and shows the internal logic structure, including data inputs, outputs, control signals, and internal registers or flip-flops.

- B190:** Features data inputs (VCC, AD 8, AD 7, AD 6, AD 5, AD 4, AD 3, AD 2, AD 1, AD 0), data outputs (DO 3, DO 2, DO 1, DO 0), and control signals (S, R, W, D 1, D 0, D 2, D 3, D 4, D 5, D 6, D 7, D 8, D 9, D 10, D 11, D 12, D 13, D 14, D 15, D 16, D 17, D 18, D 19, D 20, D 21, D 22, D 23, D 24, D 25, D 26, D 27, D 28, D 29, D 30, D 31, D 32, D 33, D 34, D 35, D 36, D 37, D 38, D 39, D 40, D 41, D 42, D 43, D 44, D 45, D 46, D 47, D 48, D 49, D 50, D 51, D 52, D 53, D 54, D 55, D 56, D 57, D 58, D 59, D 60, D 61, D 62, D 63, D 64, D 65, D 66, D 67, D 68, D 69, D 70, D 71, D 72, D 73, D 74, D 75, D 76, D 77, D 78, D 79, D 80, D 81, D 82, D 83, D 84, D 85, D 86, D 87, D 88, D 89, D 90, D 91, D 92, D 93, D 94, D 95, D 96, D 97, D 98, D 99, D 100, D 101, D 102, D 103, D 104, D 105, D 106, D 107, D 108, D 109, D 110, D 111, D 112, D 113, D 114, D 115, D 116, D 117, D 118, D 119, D 120, D 121, D 122, D 123, D 124, D 125, D 126, D 127, D 128, D 129, D 130, D 131, D 132, D 133, D 134, D 135, D 136, D 137, D 138, D 139, D 140, D 141, D 142, D 143, D 144, D 145, D 146, D 147, D 148, D 149, D 150, D 151, D 152, D 153, D 154, D 155, D 156, D 157, D 158, D 159, D 160, D 161, D 162, D 163, D 164, D 165, D 166, D 167, D 168, D 169, D 170, D 171, D 172, D 173, D 174, D 175, D 176, D 177, D 178, D 179, D 180, D 181, D 182, D 183, D 184, D 185, D 186, D 187, D 188, D 189, D 190, D 191, D 192, D 193, D 194, D 195, D 196, D 197, D 198, D 199, D 200, D 201, D 202, D 203, D 204, D 205, D 206, D 207, D 208, D 209, D 210, D 211, D 212, D 213, D 214, D 215, D 216, D 217, D 218, D 219, D 220, D 221, D 222, D 223, D 224, D 225, D 226, D 227, D 228, D 229, D 230, D 231, D 232, D 233, D 234, D 235, D 236, D 237, D 238, D 239, D 240, D 241, D 242, D 243, D 244, D 245, D 246, D 247, D 248, D 249, D 250, D 251, D 252, D 253, D 254, D 255, D 256, D 257, D 258, D 259, D 260, D 261, D 262, D 263, D 264, D 265, D 266, D 267, D 268, D 269, D 270, D 271, D 272, D 273, D 274, D 275, D 276, D 277, D 278, D 279, D 280, D 281, D 282, D 283, D 284, D 285, D 286, D 287, D 288, D 289, D 290, D 291, D 292, D 293, D 294, D 295, D 296, D 297, D 298, D 299, D 300, D 301, D 302, D 303, D 304, D 305, D 306, D 307, D 308, D 309, D 310, D 311, D 312, D 313, D 314, D 315, D 316, D 317, D 318, D 319, D 320, D 321, D 322, D 323, D 324, D 325, D 326, D 327, D 328, D 329, D 330, D 331, D 332, D 333, D 334, D 335, D 336, D 337, D 338, D 339, D 340, D 341, D 342, D 343, D 344, D 345, D 346, D 347, D 348, D 349, D 350, D 351, D 352, D 353, D 354, D 355, D 356, D 357, D 358, D 359, D 360, D 361, D 362, D 363, D 364, D 365, D 366, D 367, D 368, D 369, D 370, D 371, D 372, D 373, D 374, D 375, D 376, D 377, D 378, D 379, D 380, D 381, D 382, D 383, D 384, D 385, D 386, D 387, D 388, D 389, D 390, D 391, D 392, D 393, D 394, D 395, D 396, D 397, D 398, D 399, D 400, D 401, D 402, D 403, D 404, D 405, D 406, D 407, D 408, D 409, D 410, D 411, D 412, D 413, D 414, D 415, D 416, D 417, D 418, D 419, D 420, D 421, D 422, D 423, D 424, D 425, D 426, D 427, D 428, D 429, D 430, D 431, D 432, D 433, D 434, D 435, D 436, D 437, D 438, D 439, D 440, D 441, D 442, D 443, D 444, D 445, D 446, D 447, D 448, D 449, D 450, D 451, D 452, D 453, D 454, D 455, D 456, D 457, D 458, D 459, D 460, D 461, D 462, D 463, D 464, D 465, D 466, D 467, D 468, D 469, D 470, D 471, D 472, D 473, D 474, D 475, D 476, D 477, D 478, D 479, D 480, D 481, D 482, D 483, D 484, D 485, D 486, D 487, D 488, D 489, D 490, D 491, D 492, D 493, D 494, D 495, D 496, D 497, D 498, D 499, D 500, D 501, D 502, D 503, D 504, D 505, D 506, D 507, D 508, D 509, D 510, D 511, D 512, D 513, D 514, D 515, D 516, D 517, D 518, D 519, D 520, D 521, D 522, D 523, D 524, D 525, D 526, D 527, D 528, D 529, D 530, D 531, D 532, D 533, D 534, D 535, D 536, D 537, D 538, D 539, D 540, D 541, D 542, D 543, D 544, D 545, D 546, D 547, D 548, D 549, D 550, D 551, D 552, D 553, D 554, D 555, D 556, D 557, D 558, D 559, D 560, D 561, D 562, D 563, D 564, D 565, D 566, D 567, D 568, D 569, D 570, D 571, D 572, D 573, D 574, D 575, D 576, D 577, D 578, D 579, D 580, D 581, D 582, D 583, D 584, D 585, D 586, D 587, D 588, D 589, D 590, D 591, D 592, D 593, D 594, D 595, D 596, D 597, D 598, D 599, D 600, D 601, D 602, D 603, D 604, D 605, D 606, D 607, D 608, D 609, D 610, D 611, D 612, D 613, D 614, D 615, D 616, D 617, D 618, D 619, D 620, D 621, D 622, D 623, D 624, D 625, D 626, D 627, D 628, D 629, D 630, D 631, D 632, D 633, D 634, D 635, D 636, D 637, D 638, D 639, D 640, D 641, D 642, D 643, D 644, D 645, D 646, D 647, D 648, D 649, D 650, D 651, D 652, D 653, D 654, D 655, D 656, D 657, D 658

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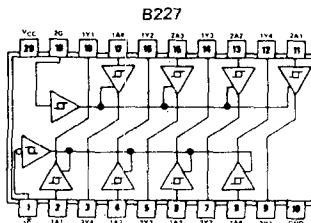
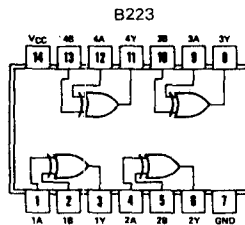
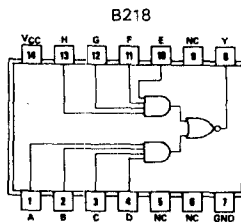
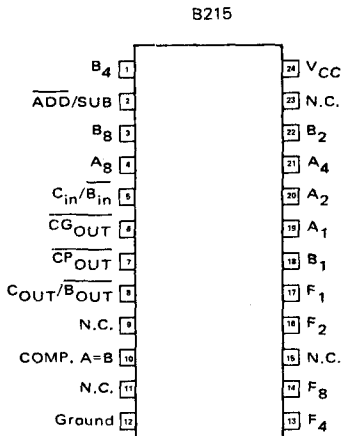
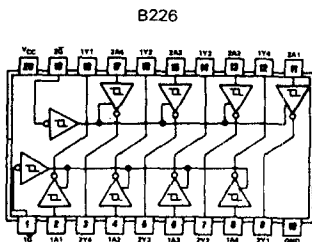
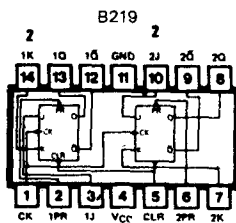
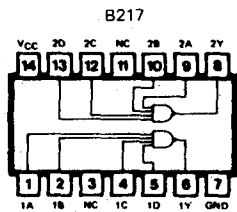
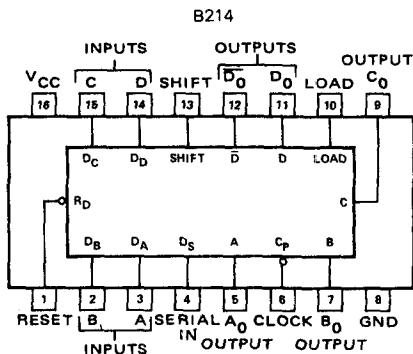
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Connection Diagram

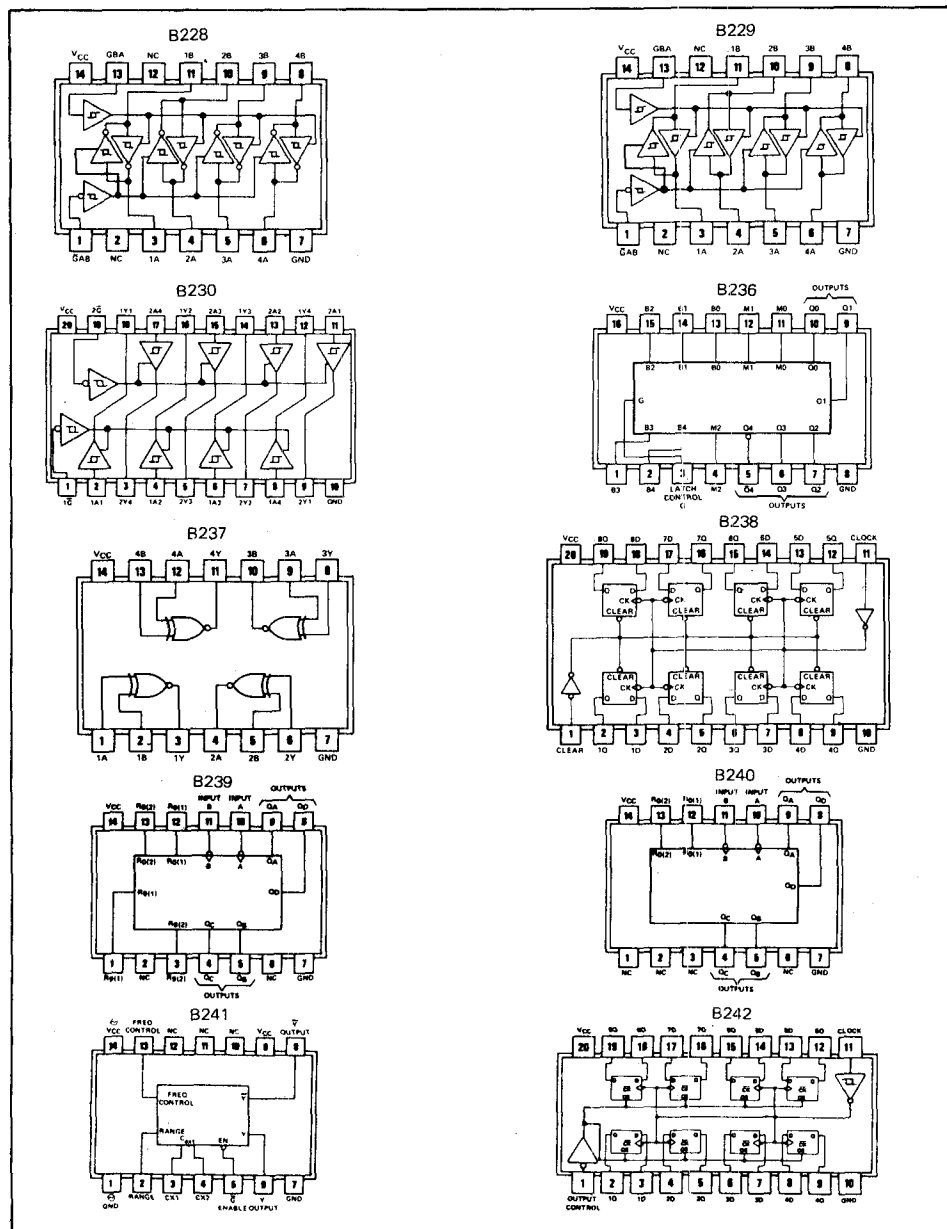


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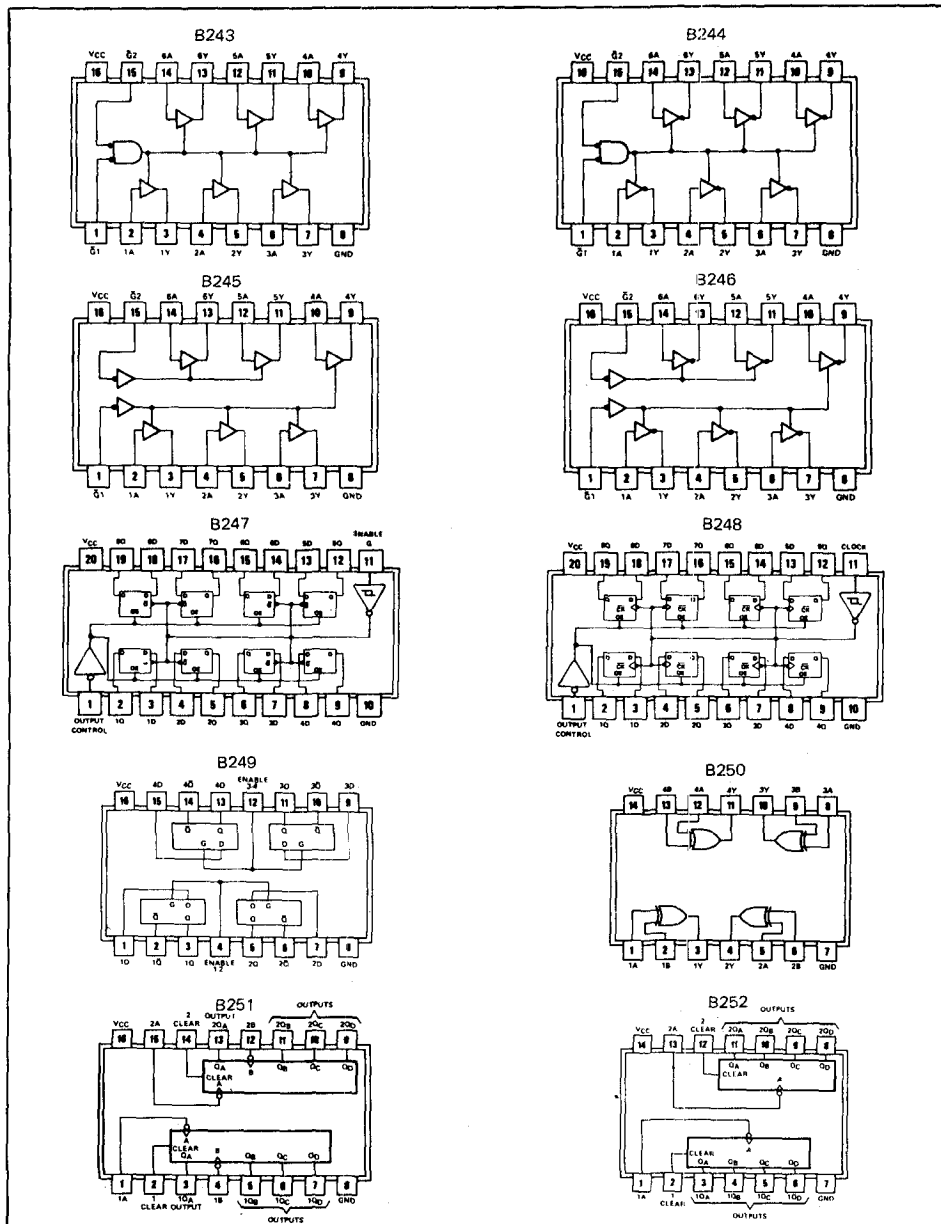


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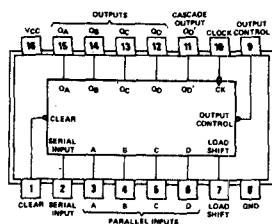
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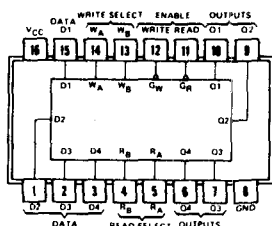
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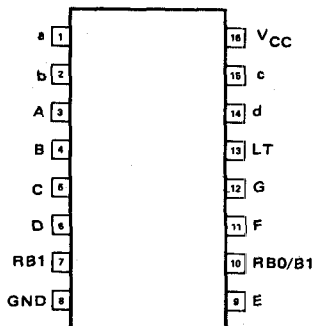
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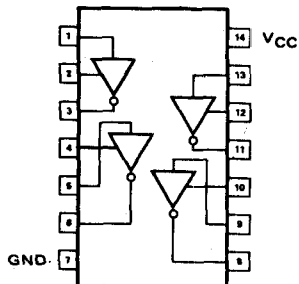
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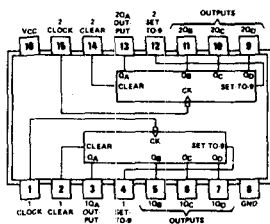
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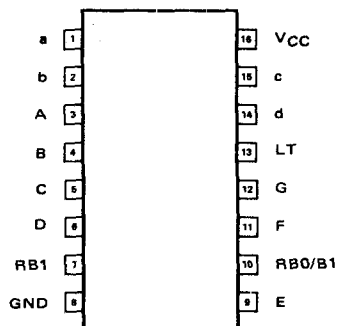
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B254



B256



B258

