

RadHard MSI Logic SMD Cross Reference

1/22/99

| Description | UTMC | | Harris | | National | |
|-----------------------------------------------|-------------|------------|-------------|------------|-------------|------------|
| | Part Number | SMD Number | Part Number | SMD Number | Part Number | SMD Number |
| Quadruple 2-Input NAND Gates | UT54ACS00 | 5962-96512 | HCS00MS | 5962-95724 | 54AC00 | 5962-87549 |
| | UT54ACTS00 | 5962-96513 | HCTS00MS | 5962-95637 | 54ACT00 | 5962-87699 |
| Quadruple 2-Input NOR Gates | UT54ACS02 | 5962-96514 | HCS02MS | 5962-95679 | 54AC02 | 5962-87612 |
| | UT54ACTS02 | 5962-96515 | HCTS02MS | 5962-95682 | | |
| Hex Inverters | UT54ACS04 | 5962-96516 | HCS04MS | 5962-95725 | 54AC04 | 5962-87609 |
| | UT54ACTS04 | 5962-96517 | HCTS04MS | 5962-95732 | | |
| Quadruple 2-Input AND Gates | UT54ACS08 | 5962-96518 | HCS08MS | 5962-95680 | 54AC08 | 5962-87615 |
| | UT54ACTS08 | 5962-96519 | HCTS08MS | 5962-95683 | | |
| Triple 3-Input NAND Gates | UT54ACS10 | 5962-96520 | HCS10MS | 5962-95777 | 54AC10 | 5962-87610 |
| | UT54ACTS10 | 5962-96521 | HCTS10MS | 5962-95765 | | |
| Triple 3-Input AND Gates | UT54ACS11 | 5962-96522 | HCS11MS | 5962-95720 | 54AC11 | 5962-87611 |
| | UT54ACTS11 | 5962-96523 | HCTS11MS | 5962-95721 | | |
| Hex Inverter Schmit Trigger | UT54ACS14 | 5962-96524 | HCS14MS | 5962-95681 | 54AC14 | 5962-87624 |
| | UT54ACTS14 | 5962-96525 | HCTS14MS | 5962-95719 | | |
| Dual 4-Input NAND Gates | UT54ACS20 | 5962-96526 | HCS20MS | 5962-95778 | 54AC20 | 5962-87613 |
| | UT54ACTS20 | 5962-96527 | HCTS20MS | 5962-95733 | | |
| Triple 3-Input NOR Gates | UT54ACS27 | 5962-96528 | HCS27MS | 5962-95780 | | |
| | UT54ACTS27 | 5962-96529 | HCTS27MS | 5962-95734 | | |
| Hex Noninverting Buffers | UT54ACS34 | 5962-96530 | | | | |
| | UT54ACTS34 | 5962-96531 | | | | |
| 4-Wide AND-OR-INVERT Gates | UT54ACS54 | 5962-96532 | | | | |
| | UT54ACTS54 | 5962-96533 | | | | |
| Dual D Flip-Flops with Clear & Preset | UT54ACS74 | 5962-96534 | HCS74MS | 5962-95782 | 54AC74 | 5962-88520 |
| | UT54ACTS74 | 5962-96535 | HCTS74MS | 5962-95763 | 54ACT74 | 5962-87525 |
| 4-Bit Comparators | UT54ACS85 | 5962-96536 | | | | |
| | UT54ACTS85 | 5962-96537 | HCTS85MS | 5962-95768 | | |
| Quadruple 2-Input Exclusive OR Gates | UT54ACS86 | 5962-96538 | HCS86MS | 5962-95783 | 54AC86 | 5962-89550 |
| | UT54ACTS86 | 5962-96539 | HCTS86MS | 5962-95763 | | |
| Dual J-K Flip-Flops | UT54ACS109 | 5962-96540 | HCS109MS | 5962-95784 | 54AC109 | 5962-89551 |
| | UT54ACTS109 | 5962-96541 | HCTS109MS | 5962-95769 | 54ACT109 | 5962-88534 |
| Quadruple 2-Input NAND Schmitt Triggers | UT54ACS132 | 5962-96542 | HCS132MS | 5962-95726 | | |
| | UT54ACTS132 | 5962-96543 | HCTS132MS | 5962-95739 | | |
| 3-Line to 8-Line Decoders/Demultiplexers | UT54ACS138 | 5962-96544 | HCS138MS | 5962-95727 | 54AC138 | 5962-87622 |
| | UT54ACTS138 | 5962-96545 | HCTS138MS | 5962-95740 | 54ACT138 | 5962-87554 |
| Dual 2-Line to 4-Line Decoders/Demultiplexers | UT54ACS139 | 5962-96546 | HCS139MS | 5962-95804 | 54AC139 | 5962-87623 |

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| 1 of 8 Data Selectors/Multiplexers | UT54ACTS139 | 5962-96547 | HCST139MS | 5962-95753 | 54ACT139 | 5962-87553 |
| | UT54ACS151 | 5962-96548 | HCS151 | 5962-95728 | 54AC151 | 5962-87691 |
| | UT54ACTS151 | 5962-96549 | | | 54ACT151 | 5962-88756 |
| Dual 4-Input Multiplexer w/Three-State Outputs | UT54ACS153 | 5962-96550 | | | 54AC153 | 5962-87625 |
| | UT54ACTS153 | 5962-96551 | HCTS153MS | 5962-95754 | 54ACT153 | 5962-87698 |
| Quadruple 2 to 1 Multiplexers | UT54ACS157 | 5962-96552 | HCS157MS | 5962-95805 | 54AC157 | 5962-89539 |
| | UT54ACTS157 | 5962-96553 | HCTS157MS | 5962-95755 | 54ACT157 | 5962-89539 |
| 4-Bit Synchronous Counters | UT54ACS163 | 5962-96554 | HCS163MS | 5962-95807 | 54AC163 | 5962-89582 |
| | UT54ACTS163 | 5962-96555 | HCTS163MS | 5962-95743 | 54ACT163 | 5962-91723 |
| 8-Bit Shift Registers | UT54ACS164 | 5962-96556 | HCS164MS | 5962-95785 | | |
| | UT54ACTS164 | 5962-96557 | HCTS164MS | 5962-95663 | | |
| 8-Bit Parallel Shift Registers | UT54ACS165 | 5962-96558 | HCS165MS | 5962-95786 | | |
| | UT54ACTS165 | 5962-96559 | | | | |
| 4-Bit Up-Down Binary Counters | UT54ACS169 | 5962-96560 | | | 54AC169 | 5962-91603 |
| | UT54ACTS169 | 5962-96561 | | | 54ACT169 | 883 |
| Synchronous 4-Bit Up-Down BCD Counters | UT54ACS190 | 5962-96562 | HCS190MS | 5962-95808 | | |
| | UT54ACTS190 | 5962-96563 | HCTS190MS | 5962-95771 | | |
| Synchronous 4-Bit Up-Down Binary Counters | UT54ACS191 | 5962-96564 | | | 54AC191 | 5962-89749 |
| | UT54ACTS191 | 5962-96565 | HCTS191MS | 5962-95756 | | |
| Synchronous 4-Bit Up-Down Clock | UT54ACS193 | 5962-96566 | HCS193MS | 5962-95788 | | |
| | UT54ACTS193 | 5962-96567 | HCTS193MS | 5962-95757 | | |
| Clock & Wait-State Generation Circuit | UT54ACTS220 | 5962-96753 | | | | |
| Octal Buffers w/Inverted Three-State Outputs | UT54ACS240 | 5962-96568 | HCS240MS | 5962-95809 | 54AC240 | 5962-87550 |
| | UT54ACTS240 | 5962-96569 | HCTS240MS | 5962-95772 | 54ACT240 | 5962-87759 |
| Octal Buffers & Line Drivers, Three-State Outputs | UT54ACS244 | 5962-96570 | HCS244MS | 5962-95731 | 54AC244 | 5962-87552 |
| | UT54ACTS244 | 5962-96571 | HCTS244MS | 5962-95744 | 54ACT244 | 5962-87760 |
| Schmitt Trigger Octal Bus Transceivers w/Three-State Outputs | UT54ACS245S | 5962-96572 | | | | |
| Octal Bus Transceivers w/Three-State Outputs | UT54ACS245 | 5962-96572 | HCS245MS | 5962-96797 | 54AC245 | 5962-87758 |
| | UT54ACTS245 | 5962-96573 | HCTS245MS | 5962-95745 | 54ACT245 | 5962-87663 |
| Dual 4-Input Multiplexers | UT54ACS253 | 5962-96574 | HCS253MS | 5962-95790 | 54AC253 | 5962-87693 |
| | UT54ACTS253 | 5962-96575 | | | 54ACT253 | 5962-87761 |
| Look-Ahead Carry Generators for Counters | UT54ACS264 | 5962-96576 | | | | |
| | UT54ACTS264 | 5962-96577 | | | | |
| Octal D Flip-Flops w/Clear | UT54ACS273 | 5962-96578 | HCS273MS | 5962-95791 | 54AC273 | 5962-87756 |
| | UT54ACTS273 | 5962-96579 | HCTS273MS | 5962-95764 | | |

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| | Part Number | SMD Number | Part Number | SMD Number | Part Number | SMD Number |
| Quadruple S-R Latches | UT54ACS279 | 5962-96580 | | | | |
| | UT54ACTS279 | 5962-96581 | | | | |
| 9-Bit Parity Generators/Checkers | UT54ACS280 | 5962-96582 | | | 54AC280 | 5962-92201 |
| | UT54ACTS280 | 5962-96583 | | | | |
| 4-Bit Binary Full Adders | UT54ACS283 | 5962-96584 | HCS283MS | 5962-95811 | | |
| | UT54ACTS283 | 5962-96585 | HCTS283MS | 5962-95774 | 54ACT283 | 5962-883 |
| Hex Buffer/Line Driver w/Three-State Outputs | UT54ACS365 | 5962-96586 | | | | |
| | UT54ACTS365 | 5962-96587 | HCTS365MS | 5962-95775 | | |
| Octal Transparent Latches w/Three-State Outputs | UT54ACS373 | 5962-96588 | HCS373MS | 5962-95792 | 54AC373 | 5962-87555 |
| | UT54ACTS373 | 5962-96589 | HCTS373MS | 5962-95747 | 54ACT373 | 5962-87556 |
| Octal D Flip-Flops w/Three-State Outputs | UT54ACS374 | 5962-96590 | HCS374MS | 5962-95793 | 54AC374 | 5962-87694 |
| | UT54ACTS374 | 5962-96591 | HCTS374MS | 5962-95748 | 54ACT374 | 5962-87631 |
| Octal Driver, w/Inverted Three-State Outputs | UT54ACS540 | 5962-96592 | | | 54AC540 | 5962-87695 |
| | UT54ACTS540 | 5964-96593 | HCTS540MS | 5962-95776 | | |
| Octal Driver, w/Three-State Outputs | UT54ACS541 | 5964-96594 | | | 54AC541 | 5962-88706 |
| | UT54ACTS541 | 5964-96595 | HCTS541MS | 5962-96726 | | |
| Dual 4-Input NOR Gate | UT54ACS4002 | 5962-96596 | | | | |
| | UT54ACTS4002 | 5962-96597 | HCTS4002MS | 5962-95760 | | |