

## 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

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
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		

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 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		