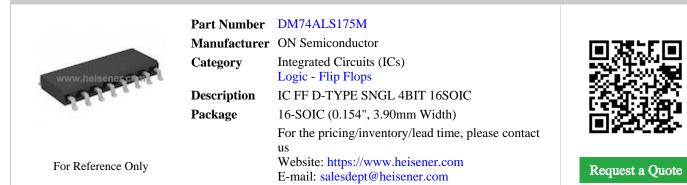


DM74ALS175M

DM74ALS175M Information



Certified Quality

Heisener's commitment to quality has shaped our processes for sourcing, testing, shipping, and every step in between. This foundation underlies each component we sell.



DM74ALS175M Specifications

Manufacturer Part Number DM74ALS175M Manufacturer Q ON Semiconductor Category Integrated Circuits (ICs) Category Logic - Flip Flops Package 16-SOIC (0.154", 3.90mm Width) Series 74ALS Function Master Reset Type D-Type Output Type Differential Number of Elements 1 Number of Bits per Element 4 Clock Frequency 500MHz Max Propagation Delay @V, Max CL 17ns @ 5V, 50pF Trigger Type Positive Edge Current - Output High, Low 4.50 × 5.5 V Current - Quiescent (Iq) 14mA Input Capacitance - Operating Temperature 0°C ~ 70°C (TA) Mounting Type Surface Mount Postrice Current - Quescent (Iq) Surface Mount Input Capacitance - Operating Temperature 0°C ~ 70°C (TA) Mounting Type Surface Mount Postrice Current - Quescent (Iq) Greater Mount Input Capacitance - Operating Temperature 0°C ~	_	
Category Integrated Circuits (ICs) Logic - Flip Flops Package Id-SOIC (0.154", 3.90mm Width) Series 74ALS Function Master Reset Type D-Type Output Type Differential Number of Elements 1 Number of Bits per Element 4 Clock Frequency 50MHz Max Propagation Delay @ V, Max CL 17ns @ 5V, 50pF Trigger Type Positive Edge Current - Output High, Low 400µA, 8mA Voltage - Supply 4.5 V ~ 5.5 V Current - Quiescent (Iq) 14mA Input Capacitance - Operating Temperature 0°C ~ 70°C (TA) Mounting Type Surface Mount Package / Case Id-SOIC (0.154", 3.90mm Width)	Manufacturer Part Number	DM74ALS175M
Logic - Flip FlopsPackage16-SOIC (0.154", 3.90mm Width)Series74ALSFunctionMaster ResetTypeD-TypeOutput TypeDifferentialNumber of Elements1Number of Bits per Element4Clock Frequency50MHzMax Propagation Delay @ V, Max CL17ns @ 5V, 50pFTrigger TypePositive EdgeCurrent - Output High, Low400µA, 8mAVoltage - Supply4.5 V ~ 5.5 VCurrent - Quiescent (Iq)14mAInput Capacitance-Operating Temperature0°C ~ 70°C (TA)Mounting TypeIs-SOIC (0.154", 3.90mm Width)	Manufacturer	ON Semiconductor
Package16-SOIC (0.154", 3.90mm Width)Series74ALSFunctionMaster ResetTypeD-TypeOutput TypeDifferentialNumber of Elements1Number of Bits per Element4Clock FrequencyS0MHzMax Propagation Delay @ V, Max CL17ns @ 5V, 50pFTrigger TypePositive EdgeCurrent - Output High, Low400µA, 8mAVoltage - Supply14mAInput Capacitance-Operating Temperature0°C ~ 70°C (TA)Mounting TypeSurface MountPackage / Case16-SOIC (0.154", 3.90mm Width)	Category	Integrated Circuits (ICs)
Series74ALSFunctionMaster ResetTypeD-TypeOutput TypeDifferentialNumber of Elements1Number of Bits per Element4Clock Frequency50MHzMax Propagation Delay @ V, Max CL17ns @ 5V, 50pFTrigger TypePositive EdgeCurrent - Output High, Low400µA, 8mAVoltage - Supply4.5 V ~ 5.5 VCurrent - Quiescent (Iq)14mAInput Capacitance-Operating Temperature0°C ~ 70°C (TA)Mounting TypeSurface MountPackage / Case16-SOIC (0.154", 3.90mm Width)		Logic - Flip Flops
FunctionMaster ResetTypeD-TypeOutput TypeDifferentialNumber of Elements1Number of Bits per Element4Clock FrequencyS0MHzMax Propagation Delay @ V, Max CLT/ns @ 5V, 50pFTrigger TypePositive EdgeCurrent - Output High, Low400µA, 8mAVoltage - Supply4.5 V ~ 5.5 VCurrent - Quiescent (Iq)14mAInput Capacitance-Operating Temperature0°C ~ 70°C (TA)Mounting TypeSurface MountPackage / Case16-SOIC (0.154", 3.90mm Width)	Package	16-SOIC (0.154", 3.90mm Width)
TypeD-TypeOutput TypeDifferentialNumber of Elements1Number of Bits per Element4Clock FrequencyS0MHzMax Propagation Delay @ V, Max CLTyne @ SV, 50pFCurrent - Output High, Low400µA, 8mAVoltage - Supply4.5 V ~ 5.5 VCurrent - Quiescent (q)14mAInput Capacitance-Operating Temperature0°C ~ 70°C (TA)Mounting TypeSurface MountPackage / Case16-SOII CU.54", 3.00mm Width)	Series	74ALS
Output TypeDifferentialOutput TypeDifferentialNumber of Elements1Number of Bits per Element4Clock FrequencyS0MHzMax Propagation Delay @ V, Max CL17ns @ 5V, 50pFTrigger TypePositive EdgeCurrent - Output High, Low400µA, 8mAVoltage - Supply4.5 V ~ 5.5 VCurrent - Quiescent (Iq)14mAInput Capacitance-Operating Temperature0°C ~ 70°C (TA)Mounting TypeSurface MountPackage / Case16-SOIC (0.154", 3.90mm Width)	Function	Master Reset
Number of Elements1Number of Bits per Element4Clock Frequency50MHzMax Propagation Delay @ V, Max CL17ns @ 5V, 50pFTrigger TypePositive EdgeCurrent - Output High, Low400µA, 8mAVoltage - Supply4.5 V ~ 5.5 VCurrent - Quiescent (Iq)14mAInput Capacitance-Operating Temperature0°C ~ 70°C (TA)Mounting TypeSurface MountPackage / Case16-SOIC (0.154", 3.90mm Width)	Туре	D-Type
Number of Bits per Element4Number of Bits per Element50MHzClock Frequency50MHzMax Propagation Delay @ V, Max CL17ns @ 5V, 50pFTrigger TypePositive EdgeCurrent - Output High, Low400µA, 8mAVoltage - Supply4.5 V ~ 5.5 VCurrent - Quiescent (Iq)14mAInput Capacitance-Operating Temperature0°C ~ 70°C (TA)Mounting TypeSurface MountPackage / Case16-SOIC (0.154", 3.90mm Width)	Output Type	Differential
Clock Frequency50MHzMax Propagation Delay @ V, Max CL17ns @ 5V, 50pFTrigger TypePositive EdgeCurrent - Output High, Low400μA, 8mAVoltage - Supply4.5 V ~ 5.5 VCurrent - Quiescent (Iq)14mAInput Capacitance-Operating Temperature0°C ~ 70°C (TA)Mounting TypeSurface MountPackage / Case16-SOIC (0.154", 3.90mm Width)	Number of Elements	1
Max Propagation Delay @ V, Max CL17ns @ 5V, 50pFTrigger TypePositive EdgeCurrent - Output High, Low400μA, 8mAVoltage - Supply4.5 V ~ 5.5 VCurrent - Quiescent (Iq)14mAInput Capacitance-Operating Temperature0°C ~ 70°C (TA)Mounting TypeSurface MountPackage / Case16-SOIC (0.154", 3.90mm Width)	Number of Bits per Element	4
Trigger TypePositive EdgeCurrent - Output High, Low400μA, 8mAVoltage - Supply4.5 V ~ 5.5 VCurrent - Quiescent (Iq)14mAInput Capacitance-Operating Temperature0°C ~ 70°C (TA)Mounting TypeSurface MountPackage / Case16-SOIC (0.154", 3.90mm Width)	Clock Frequency	50MHz
Current - Output High, Low400μA, 8mAVoltage - Supply4.5 V ~ 5.5 VCurrent - Quiescent (Iq)14mAInput Capacitance-Operating Temperature0°C ~ 70°C (TA)Mounting TypeSurface MountPackage / Case16-SOIC (0.154", 3.90mm Width)	Max Propagation Delay @ V, Max CL	17ns @ 5V, 50pF
Voltage - Supply4.5 V ~ 5.5 VCurrent - Quiescent (Iq)14mAInput Capacitance-Operating Temperature0°C ~ 70°C (TA)Mounting TypeSurface MountPackage / Case16-SOIC (0.154", 3.90mm Width)	Trigger Type	Positive Edge
Current - Quiescent (Iq)14mAInput Capacitance-Operating Temperature0°C ~ 70°C (TA)Mounting TypeSurface MountPackage / Case16-SOIC (0.154", 3.90mm Width)	Current - Output High, Low	400µA, 8mA
Input Capacitance-Operating Temperature0°C ~ 70°C (TA)Mounting TypeSurface MountPackage / Case16-SOIC (0.154", 3.90mm Width)	Voltage - Supply	4.5 V ~ 5.5 V
Operating Temperature0°C ~ 70°C (TA)Mounting TypeSurface MountPackage / Case16-SOIC (0.154", 3.90mm Width)	Current - Quiescent (Iq)	14mA
Mounting TypeSurface MountPackage / Case16-SOIC (0.154", 3.90mm Width)	Input Capacitance	-
Package / Case 16-SOIC (0.154", 3.90mm Width)	Operating Temperature	0°C ~ 70°C (TA)
	Mounting Type	Surface Mount
Report errors?	Package / Case	16-SOIC (0.154", 3.90mm Width)
F		Report errors?

DM74ALS175M Guarantees



Quality Guarantees

We provide 90 days warranty. * If the items you received were not in perfect quality, we would be responsible for your refund or replacement, but the items must be returned in their original condition.

SERVICE BUARANTEE

Service Guarantees

We guarantee 100% customer satisfaction. Our experienced sales team and tech support team back our services to satisfy all our customers.

DM74ALS175M Payment Methods



DM74ALS175M Shipping Methods



If you have any question about DM74ALS175M, please do not hesitate to contact us! Website: https://www.heisener.com E-mail: salesdept@heisener.com