



### **DM74ALS37AMX Information**

www.nielsener.com

For Reference Only

Part Number DM74ALS37AMX

Manufacturer Fairchild/ON Semiconductor

Category Integrated Circuits (ICs)
Logic - Gates and Inverters

**Description** IC GATE NAND 4CH 2-INP 14-SOIC **Package** 14-SOIC (0.154", 3.90mm Width)

For the pricing/inventory/lead time, please contact

us

Website: https://www.heisener.com E-mail: salesdept@heisener.com



Request a Quote

## **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.









# **DM74ALS37AMX Specifications**

Manufacturer Part Number         DM74ALS37AMX           Manufacturer         Fairchild/ON Semiconductor           Category         Integrated Circuits (ICs)           Logic - Gates and Inverters           Package         14-SOIC (0.154", 3.90mm Width)           Series         74ALS           Logic Type         NAND Gate           Number of Circuits         4           Number of Inputs         2           Features         -           Voltage - Supply         4.5 V ~ 5.5 V           Current - Quiescent (Max)         -           Current - Output High, Low         2.6mA, 24mA           Logic Level - Low         0.8V           Logic Level - High         2V           Max Propagation Delay @ V, Max CL         8ns @ 5V, 50pF           Operating Temperature         0°C ~ 70°C           Mounting Type         Surface Mount           Supplier Device Package         14-SOIC           Package / Case         14-SOIC (0.154", 3.90mm Width)		
CategoryIntegrated Circuits (ICs)Package14-SOIC (0.154", 3.90mm Width)Series74ALSLogic TypeNAND GateNumber of Circuits4Number of Inputs2Features-Voltage - Supply4.5 V ~ 5.5 VCurrent - Quiescent (Max)-Current - Output High, Low2.6mA, 24mALogic Level - Low0.8VLogic Level - High2VMax Propagation Delay @ V, Max CL8ns @ 5V, 50pFOperating Temperature0°C ~ 70°CMounting TypeSurface MountSupplier Device Package14-SOICPackage / Case14-SOIC (0.154", 3.90mm Width)	Manufacturer Part Number	DM74ALS37AMX
PackageLogic - Gates and InvertersPackage14-SOIC (0.154", 3.90mm Width)Series74ALSLogic TypeNAND GateNumber of Circuits4Number of Inputs2Features-Voltage - Supply4.5 V ~ 5.5 VCurrent - Quiescent (Max)-Current - Output High, Low2.6mA, 24mALogic Level - Low0.8VLogic Level - High2VMax Propagation Delay @ V, Max CL8ns @ 5V, 50pFOperating Temperature0°C ~ 70°CMounting TypeSurface MountSupplier Device Package14-SOICPackage / Case14-SOIC (0.154", 3.90mm Width)	Manufacturer	Fairchild/ON Semiconductor
Package       14-SOIC (0.154", 3.90mm Width)         Series       74ALS         Logic Type       NAND Gate         Number of Circuits       4         Number of Inputs       2         Features       -         Voltage - Supply       4.5 V ~ 5.5 V         Current - Quiescent (Max)       -         Current - Output High, Low       2.6mA, 24mA         Logic Level - Low       0.8V         Logic Level - High       2V         Max Propagation Delay @ V, Max CL       8ns @ 5V, 50pF         Operating Temperature       0°C ~ 70°C         Mounting Type       Surface Mount         Supplier Device Package       14-SOIC         Package / Case       14-SOIC (0.154", 3.90mm Width)	Category	Integrated Circuits (ICs)
Series74ALSLogic TypeNAND GateNumber of Circuits4Number of Inputs2Features-Voltage - Supply4.5 V ~ 5.5 VCurrent - Quiescent (Max)-Current - Output High, Low2.6mA, 24mALogic Level - Low0.8VLogic Level - High2VMax Propagation Delay @ V, Max CL8ns @ 5V, 50pFOperating Temperature0°C ~ 70°CMounting TypeSurface MountSupplier Device Package14-SOICPackage / Case14-SOIC (0.154", 3.90mm Width)		Logic - Gates and Inverters
Logic Type NAND Gate  Number of Circuits 4 Number of Inputs 2 Features - Voltage - Supply 4.5 V ~ 5.5 V  Current - Quiescent (Max) - Current - Output High, Low 2.6mA, 24mA Logic Level - Low 0.8V  Logic Level - High 2V  Max Propagation Delay @ V, Max CL Operating Temperature 0°C ~ 70°C  Mounting Type Surface Mount Supplier Device Package 14-SOIC Package / Case NAND Gate   0	Package	14-SOIC (0.154", 3.90mm Width)
Number of Circuits4Number of Inputs2Features-Voltage - Supply4.5 V ~ 5.5 VCurrent - Quiescent (Max)-Current - Output High, Low2.6mA, 24mALogic Level - Low0.8VLogic Level - High2VMax Propagation Delay @ V, Max CL8ns @ 5V, 50pFOperating Temperature0°C ~ 70°CMounting TypeSurface MountSupplier Device Package14-SOICPackage / Case14-SOIC (0.154", 3.90mm Width)	Series	74ALS
Number of Inputs  Features  Voltage - Supply  4.5 V ~ 5.5 V  Current - Quiescent (Max)  Current - Output High, Low  2.6mA, 24mA  Logic Level - Low  Logic Level - High  2V  Max Propagation Delay @ V, Max CL  Operating Temperature  Mounting Type  Surface Mount  Supplier Device Package  Package / Case  2  4.5 V ~ 5.5 V  0.8V  2.6mA, 24mA  0.8V  0.8V  2V  8ns @ 5V, 50pF  0°C ~ 70°C  Surface Mount  14-SOIC  14-SOIC  14-SOIC  14-SOIC (0.154", 3.90mm Width)	Logic Type	NAND Gate
Features  Voltage - Supply  4.5 V ~ 5.5 V  Current - Quiescent (Max)  Current - Output High, Low  Logic Level - Low  0.8V  Logic Level - High  2V  Max Propagation Delay @ V, Max CL  Operating Temperature  0°C ~ 70°C  Mounting Type  Surface Mount  Supplier Device Package  14-SOIC  Package / Case	Number of Circuits	4
Voltage - Supply  4.5 V ~ 5.5 V  Current - Quiescent (Max)  -  Current - Output High, Low  2.6mA, 24mA  Logic Level - Low  0.8V  Logic Level - High  2V  Max Propagation Delay @ V, Max CL  Operating Temperature  0°C ~ 70°C  Mounting Type  Surface Mount  Supplier Device Package  14-SOIC  Package / Case  14-SOIC (0.154", 3.90mm Width)	Number of Inputs	2
Current - Quiescent (Max)  Current - Output High, Low  2.6mA, 24mA  Logic Level - Low  0.8V  Logic Level - High  2V  Max Propagation Delay @ V, Max CL  Serial Temperature  0°C ~ 70°C  Mounting Type  Surface Mount  Supplier Device Package  14-SOIC  Package / Case  14-SOIC (0.154", 3.90mm Width)	Features	-
Current - Output High, Low  2.6mA, 24mA  Logic Level - Low  0.8V  Logic Level - High  2V  Max Propagation Delay @ V, Max CL  Operating Temperature  0°C ~ 70°C  Mounting Type  Surface Mount  Supplier Device Package  14-SOIC  Package / Case  14-SOIC (0.154", 3.90mm Width)	Voltage - Supply	4.5 V ~ 5.5 V
Logic Level - Low0.8VLogic Level - High2VMax Propagation Delay @ V, Max CL8ns @ 5V, 50pFOperating Temperature0°C ~ 70°CMounting TypeSurface MountSupplier Device Package14-SOICPackage / Case14-SOIC (0.154", 3.90mm Width)	Current - Quiescent (Max)	-
Logic Level - High2VMax Propagation Delay @ V, Max CL8ns @ 5V, 50pFOperating Temperature0°C ~ 70°CMounting TypeSurface MountSupplier Device Package14-SOICPackage / Case14-SOIC (0.154", 3.90mm Width)	Current - Output High, Low	2.6mA, 24mA
Max Propagation Delay @ V, Max CL8ns @ 5V, 50pFOperating Temperature0°C ~ 70°CMounting TypeSurface MountSupplier Device Package14-SOICPackage / Case14-SOIC (0.154", 3.90mm Width)	Logic Level - Low	0.8V
Operating Temperature0°C ~ 70°CMounting TypeSurface MountSupplier Device Package14-SOICPackage / Case14-SOIC (0.154", 3.90mm Width)	Logic Level - High	2V
Mounting Type Surface Mount Supplier Device Package 14-SOIC Package / Case 14-SOIC (0.154", 3.90mm Width)	Max Propagation Delay @ V, Max CL	8ns @ 5V, 50pF
Supplier Device Package 14-SOIC Package / Case 14-SOIC (0.154", 3.90mm Width)	Operating Temperature	0°C ~ 70°C
Package / Case 14-SOIC (0.154", 3.90mm Width)	Mounting Type	Surface Mount
	Supplier Device Package	14-SOIC
Report errors?	Package / Case	14-SOIC (0.154", 3.90mm Width)
		Report errors?

#### **DM74ALS37AMX** 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 Guarantees**

We guarantee 100% customer satisfaction.

Our experienced sales team and tech support team back our services to satisfy all our customers.

## **DM74ALS37AMX Payment Methods**



















# **DM74ALS37AMX Shipping Methods**













If you have any question about DM74ALS37AMX, please do not hesitate to contact us!

Website: https://www.heisener.com E-mail: salesdept@heisener.com