



## **MC14081BFEL Information**



For Reference Only

Part Number MC14081BFEL

Manufacturer ON Semiconductor

Category Integrated Circuits (ICs)
Logic - Gates and Inverters

**Description** IC GATE AND 4CH 2-INP 14-SOEIAJ

**Package** 14-SOIC (0.209", 5.30mm Width)

For the pricing/inventory/lead time, please contact

us

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



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# **Certified Quality**

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## **MC14081BFEL Specifications**

Manufacturer Part NumberMC14081BFELManufacturerON SemiconductorCategoryIntegrated Circuits (ICs)Logic - Gates and InvertersPackage $14\text{-SOIC }(0.209", 5.30\text{mm Width})$ Series $4000B$ Logic TypeAND GateNumber of Circuits $4$ Number of Inputs $2$ Features-Voltage - Supply $3 \text{ V} \sim 18 \text{ V}$ Current - Quiescent (Max) $1\mu\text{A}$ Current - Output High, Low $8.8\text{mA}, 8.8\text{mA}$ Logic Level - Low $1.5 \text{ V} \sim 4 \text{ V}$ Logic Level - High $3.5 \text{ V} \sim 11 \text{ V}$ Max Propagation Delay @ V, Max CL $100\text{ns} @ 15\text{V}, 50\text{pF}$ Operating Temperature $-55^{\circ}\text{C} \sim 125^{\circ}\text{C}$		
Category Integrated Circuits (ICs)  Logic - Gates and Inverters  Package 14-SOIC (0.209", 5.30mm Width)  Series 4000B  Logic Type AND Gate  Number of Circuits 4  Number of Inputs 2  Features  Voltage - Supply 3 V ~ 18 V  Current - Quiescent (Max) 1 $\mu$ A  Current - Output High, Low 8.8mA, 8.8mA  Logic Level - Low 1.5 V ~ 4 V  Logic Level - High 3.5 V ~ 11 V  Max Propagation Delay @ V, Max CL 100ns @ 15V, 50pF  Operating Temperature - 55°C ~ 125°C	Manufacturer Part Number	MC14081BFEL
$\begin{array}{c} \text{Logic - Gates and Inverters} \\ \text{Package} & 14\text{-SOIC } (0.209\text{"}, 5.30\text{mm Width}) \\ \text{Series} & 4000\text{B} \\ \text{Logic Type} & \text{AND Gate} \\ \text{Number of Circuits} & 4 \\ \text{Number of Inputs} & 2 \\ \text{Features} & - \\ \text{Voltage - Supply} & 3 \text{ V} \sim 18 \text{ V} \\ \text{Current - Quiescent } (\text{Max}) & 1 \mu \text{A} \\ \text{Current - Output High, Low} & 8.8 \text{mA}, 8.8 \text{mA} \\ \text{Logic Level - Low} & 1.5 \text{ V} \sim 4 \text{ V} \\ \text{Logic Level - High} & 3.5 \text{ V} \sim 11 \text{ V} \\ \text{Max Propagation Delay @ V, Max CL} & 100 \text{ns @ 15V, 50pF} \\ \text{Operating Temperature} & -55^{\circ}\text{C} \sim 125^{\circ}\text{C} \\ \end{array}$	Manufacturer	ON Semiconductor
Package14-SOIC (0.209", 5.30mm Width)Series4000BLogic TypeAND GateNumber of Circuits4Number of Inputs2Features-Voltage - Supply3 V ~ 18 VCurrent - Quiescent (Max)1 $\mu$ ACurrent - Output High, Low8.8mA, 8.8mALogic Level - Low1.5 V ~ 4 VLogic Level - High3.5 V ~ 11 VMax Propagation Delay @ V, Max CL100ns @ 15V, 50pFOperating Temperature-55°C ~ 125°C	Category	Integrated Circuits (ICs)
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Logic Type       AND Gate         Number of Circuits       4         Number of Inputs       2         Features       -         Voltage - Supply       3 V ~ 18 V         Current - Quiescent (Max)       1μA         Current - Output High, Low       8.8mA, 8.8mA         Logic Level - Low       1.5 V ~ 4 V         Logic Level - High       3.5 V ~ 11 V         Max Propagation Delay @ V, Max CL       100ns @ 15V, 50pF         Operating Temperature       -55°C ~ 125°C	Package	14-SOIC (0.209", 5.30mm Width)
Number of Circuits4Number of Inputs2Features-Voltage - Supply $3 \text{ V} \sim 18 \text{ V}$ Current - Quiescent (Max) $1\mu\text{A}$ Current - Output High, Low $8.8\text{mA}, 8.8\text{mA}$ Logic Level - Low $1.5 \text{ V} \sim 4 \text{ V}$ Logic Level - High $3.5 \text{ V} \sim 11 \text{ V}$ Max Propagation Delay @ V, Max CL $100\text{ns}$ @ $15\text{V}$ , $50\text{pF}$ Operating Temperature $-55^{\circ}\text{C} \sim 125^{\circ}\text{C}$	Series	4000B
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Voltage - Supply $3\ V \sim 18\ V$ Current - Quiescent (Max) $1\mu A$ Current - Output High, Low $8.8mA, 8.8mA$ Logic Level - Low $1.5\ V \sim 4\ V$ Logic Level - High $3.5\ V \sim 11\ V$ Max Propagation Delay @ V, Max CL $100ns\ @ 15V, 50pF$ Operating Temperature $-55^{\circ}C \sim 125^{\circ}C$	Number of Inputs	2
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Logic Level - High $3.5 \text{ V} \sim 11 \text{ V}$ Max Propagation Delay @ V, Max CL $100 \text{ns}$ @ $15 \text{V}$ , $50 \text{pF}$ Operating Temperature $-55 ^{\circ}\text{C} \sim 125 ^{\circ}\text{C}$	Current - Output High, Low	8.8mA, 8.8mA
Max Propagation Delay @ V, Max CL 100ns @ 15V, 50pF  Operating Temperature -55°C ~ 125°C	Logic Level - Low	1.5 V ~ 4 V
Operating Temperature $-55^{\circ}\text{C} \sim 125^{\circ}\text{C}$	Logic Level - High	3.5 V ~ 11 V
	Max Propagation Delay @ V, Max CL	100ns @ 15V, 50pF
	Operating Temperature	-55°C ~ 125°C
Mounting Type Surface Mount	Mounting Type	Surface Mount
Supplier Device Package SOEIAJ-14	Supplier Device Package	SOEIAJ-14
Package / Case 14-SOIC (0.209", 5.30mm Width)	Package / Case	14-SOIC (0.209", 5.30mm Width)
Report errors?		Report errors?

### **MC14081BFEL 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.

### MC14081BFEL Payment Methods



















### MC14081BFEL Shipping Methods













If you have any question about MC14081BFEL, please do not hesitate to contact us!

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