



### **5V41065NLGI8 Information**

Heisener.com

Part Number 5V41065NLGI8

Manufacturer IDT, Integrated Device Technology Inc

Category Integrated Circuits (ICs)

Clock/Timing - Application Specific

**Description** IC CLK GEN SPRED SPECTRM 16NLG

Package 16-VFQFN Exposed Pad

For the pricing/inventory/lead time, please contact

us

For Reference Only

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

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# **5V41065NLGI8 Specifications**

| Manufacturer Part Number5V41065NLGI8ManufacturerIDT, Integrated Device Technology IncCategoryIntegrated Circuits (ICs)Package16-VFQFN Exposed PadSeries-PLLYesMain PurposeEthernet, PCI Express (PCIe)InputClock, CrystalOutputHCSL, LVDSNumber of Circuits1Ratio - Input:Output1:2Differential - Input:OutputNo/YesFrequency - Max200MHzVoltage - Supply3.135 V ~ 3.465 VOperating Temperature-40°C ~ 85°CMounting TypeSurface MountPackage / Case16-VFQFN Exposed PadSupplier Device Package16-VFQFN Exposed PadSupplier Device Package16-VFQFN (3x3)  | •                           |                                       |
|--|-----------------------------|---------------------------------------|
| Category  Integrated Circuits (ICs)  Clock/Timing - Application Specific  Package  16-VFQFN Exposed Pad  Series  - PLL  Yes  Main Purpose  Ethernet, PCI Express (PCIe)  Input  Clock, Crystal  Output  HCSL, LVDS  Number of Circuits  1  Ratio - Input:Output  1:2  Differential - Input:Output  No/Yes  Frequency - Max  200MHz  Voltage - Supply  3.135 V ~ 3.465 V  Operating Temperature  Mounting Type  Surface Mount  Package / Case  16-VFQFN (3x3)   | Manufacturer Part Number    | 5V41065NLGI8                          |
| Clock/Timing - Application Specific  Package  16-VFQFN Exposed Pad  Series  - PLL  Yes  Main Purpose Ethernet, PCI Express (PCIe)  Input Clock, Crystal Output HCSL, LVDS  Number of Circuits 1 Ratio - Input:Output 1:2  Differential - Input:Output No/Yes  Frequency - Max 200MHz  Voltage - Supply 3.135 V ~ 3.465 V Operating Temperature 40°C ~ 85°C  Mounting Type Surface Mount Package / Case 16-VFQFN Exposed Pad  Supplier Device Package  16-VFQFN (3x3)   | Manufacturer                | IDT, Integrated Device Technology Inc |
| Package 16-VFQFN Exposed Pad  Series - PLL Yes  Main Purpose Ethernet, PCI Express (PCIe) Input Clock, Crystal Output HCSL, LVDS  Number of Circuits 1 Ratio - Input:Output 1:2 Differential - Input:Output No/Yes Frequency - Max 200MHz  Voltage - Supply 3.135 V ~ 3.465 V Operating Temperature -40°C ~ 85°C  Mounting Type Surface Mount Package / Case 16-VFQFN Exposed Pad  Supplier Device Package 16-VFQFN (3x3)  | Category                    | Integrated Circuits (ICs)             |
| Series         -           PLL         Yes           Main Purpose         Ethernet, PCI Express (PCIe)           Input         Clock, Crystal           Output         HCSL, LVDS           Number of Circuits         1           Ratio - Input:Output         1:2           Differential - Input:Output         No/Yes           Frequency - Max         200MHz           Voltage - Supply         3.135 V ~ 3.465 V           Operating Temperature         -40°C ~ 85°C           Mounting Type         Surface Mount           Package / Case         16-VFQFN Exposed Pad           Supplier Device Package         16-VFQFN (3x3) |                             | Clock/Timing - Application Specific   |
| PLL Yes  Main Purpose Ethernet, PCI Express (PCIe)  Input Clock, Crystal  Output HCSL, LVDS  Number of Circuits 1  Ratio - Input:Output 1:2  Differential - Input:Output No/Yes  Frequency - Max 200MHz  Voltage - Supply 3.135 V ~ 3.465 V  Operating Temperature -40°C ~ 85°C  Mounting Type Surface Mount  Package / Case 16-VFQFN Exposed Pad  Supplier Device Package 16-VFQFN (3x3)  | Package                     | 16-VFQFN Exposed Pad                  |
| Main PurposeEthernet, PCI Express (PCIe)InputClock, CrystalOutputHCSL, LVDSNumber of Circuits1Ratio - Input:Output1:2Differential - Input:OutputNo/YesFrequency - Max200MHzVoltage - Supply3.135 V ~ 3.465 VOperating Temperature-40°C ~ 85°CMounting TypeSurface MountPackage / Case16-VFQFN Exposed PadSupplier Device Package16-VFQFN (3x3)   | Series                      | -                                     |
| Input  Clock, Crystal  Output  HCSL, LVDS  Number of Circuits  1  Ratio - Input:Output  Differential - Input:Output  No/Yes  Frequency - Max  200MHz  Voltage - Supply  3.135 V ~ 3.465 V  Operating Temperature  -40°C ~ 85°C  Mounting Type  Surface Mount  Package / Case  16-VFQFN Exposed Pad  Supplier Device Package  | PLL                         | Yes                                   |
| OutputHCSL, LVDSNumber of Circuits1Ratio - Input:Output1:2Differential - Input:OutputNo/YesFrequency - Max200MHzVoltage - Supply3.135 V ~ 3.465 VOperating Temperature-40°C ~ 85°CMounting TypeSurface MountPackage / Case16-VFQFN Exposed PadSupplier Device Package16-VFQFN (3x3)  | Main Purpose                | Ethernet, PCI Express (PCIe)          |
| Number of Circuits  Ratio - Input:Output  Differential - Input:Output  No/Yes  Frequency - Max  Voltage - Supply  Operating Temperature  Mounting Type  Surface Mount  Package / Case  Supplier Device Package  1:2  No/Yes  200MHz  3.135 V ~ 3.465 V  -40°C ~ 85°C  Surface Mount  16-VFQFN Exposed Pad  16-VFQFN (3x3)  | Input                       | Clock, Crystal                        |
| Ratio - Input:Output  Differential - Input:Output  No/Yes  Frequency - Max  Voltage - Supply  Operating Temperature  40°C ~ 85°C  Mounting Type  Surface Mount  Package / Case  16-VFQFN Exposed Pad  Supplier Device Package  | Output                      | HCSL, LVDS                            |
| Differential - Input:Output  Frequency - Max  Voltage - Supply  Operating Temperature  Mounting Type  Surface Mount  Package / Case  Supplier Device Package  No/Yes  No/Yes  3.135 V ~ 3.465 V  -40°C ~ 85°C  Surface Mount  16-VFQFN Exposed Pad  16-VFQFN (3x3)   | Number of Circuits          | 1                                     |
| Frequency - Max  Voltage - Supply  3.135 V ~ 3.465 V  Operating Temperature  -40°C ~ 85°C  Mounting Type  Surface Mount  Package / Case  16-VFQFN Exposed Pad  Supplier Device Package  16-VFQFN (3x3)   | Ratio - Input:Output        | 1:2                                   |
| Voltage - Supply $3.135 \text{ V} \sim 3.465 \text{ V}$ Operating Temperature $-40^{\circ}\text{C} \sim 85^{\circ}\text{C}$ Mounting Type Surface Mount  Package / Case $16\text{-VFQFN}$ Exposed Pad  Supplier Device Package $16\text{-VFQFN}$ (3x3)   | Differential - Input:Output | No/Yes                                |
| Operating Temperature  -40°C ~ 85°C  Mounting Type  Surface Mount  Package / Case  16-VFQFN Exposed Pad  Supplier Device Package  16-VFQFN (3x3)   | Frequency - Max             | 200MHz                                |
| Mounting Type Surface Mount Package / Case 16-VFQFN Exposed Pad Supplier Device Package 16-VFQFN (3x3)   | Voltage - Supply            | 3.135 V ~ 3.465 V                     |
| Package / Case 16-VFQFN Exposed Pad Supplier Device Package 16-VFQFN (3x3)   | Operating Temperature       | -40°C ~ 85°C                          |
| Supplier Device Package 16-VFQFN (3x3)   | Mounting Type               | Surface Mount                         |
|  | Package / Case              | 16-VFQFN Exposed Pad                  |
| Report errors?   | Supplier Device Package     | 16-VFQFN (3x3)                        |
|  |                             | Report errors?                        |

#### **5V41065NLGI8** Guarantees



#### **Quality Guarantees**

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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.



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If you have any question about 5V41065NLGI8, please do not hesitate to contact us!

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