

Nexys Video FPGA package pin to FMC pin chart

| FMC Pin Number | FMC Signal Name | FPGA Signal Name | FPGA package number |
|-----------------------|------------------------|-------------------------|----------------------------|
| C1 | Ground | Ground | Ground |
| C2 | DP0-C2M_P | FMC_MGT_C2M_P | D7 |
| C3 | DP0-C2M_N | FMC_MGT_2MC_N | C7 |
| C4 | Ground | Ground | Ground |
| C5 | Ground | Ground | Ground |
| C6 | DP0-M2C_P | FMC_MGT_M2C_P | D9 |
| C7 | DP0-M2C_N | FMC_MGT_M2C_N | C9 |
| C8 | Ground | Ground | Ground |
| C9 | Ground | Ground | Ground |
| C10 | LA06_P | FMC_LA06_P | N22 |
| C11 | LA06_N | FMC_LA06_N | M22 |
| C12 | Ground | Ground | Ground |
| C13 | Ground | Ground | Ground |
| C14 | LA10_P | FMC_LA10_P | K21 |
| C15 | LA10_N | FMC_LA10_N | K22 |
| C16 | Ground | Ground | Ground |
| C17 | Ground | Ground | Ground |
| C18 | LA14_P | FMC_LA14_P | J22 |
| C19 | LA14_N | FMC_LA14_N | H22 |
| C20 | Ground | Ground | Ground |
| C21 | Ground | Ground | Ground |
| C22 | LA18_P_CC | FMC_LA18_CC_P | D17 |
| C23 | LA18_N_CC | FMC_LA18_CC_N | C17 |
| C24 | Ground | Ground | Ground |
| C25 | Ground | Ground | Ground |
| C26 | LA27_P | FMC_LA27_P | B20 |
| C27 | LA27_N | FMC_LA27_N | A20 |
| C28 | Ground | Ground | Ground |
| C29 | Ground | Ground | Ground |
| C30 | SCL | SCL | W5 |
| C31 | SDA | SDA | V5 |
| C32 | Ground | Ground | Ground |
| C33 | Ground | Ground | Ground |
| C34 | Ground | Ground | Ground |
| C35 | 12V0 | VCC12V0 | VCC12V0 |
| C36 | Ground | Ground | Ground |
| C37 | 12V0 | VCC12V0 | VCC12V0 |
| C38 | Ground | Ground | Ground |
| C39 | 3V3 | VCC3V3 | VCC3V3 |
| C40 | Ground | Ground | Ground |

| FMC Pin Number | FMC Signal Name | FPGA Signal Name | FPGA package number |
|-----------------------|------------------------|-------------------------|----------------------------|
| D1 | PG_C2M | FMC_PG_C2M | Power Good signal |
| D2 | Ground | Ground | Ground |
| D3 | Ground | Ground | Ground |
| D4 | GBTCLK0-M2C_P | FMC_MGT_CLK_P | F10 |
| D5 | GBTCLK0-M2C_N | FMC_MGT_CLK_N | E10 |
| D6 | Ground | Ground | Ground |
| D7 | Ground | Ground | Ground |
| D8 | LA01_P_CC | FMC_LA01_CC_P | J20 |
| D9 | LA01_N_CC | FMC_LA01_CC_N | J21 |
| D10 | Ground | Ground | Ground |
| D11 | LA05_P | FMC_LA05_P | M21 |
| D12 | LA05_N | FMC_LA05_N | L21 |
| D13 | Ground | Ground | Ground |
| D14 | LA09_P | FMC_LA09_P | H20 |
| D15 | LA09_N | FMC_LA09_N | G20 |
| D16 | Ground | Ground | Ground |
| D17 | LA13_P | FMC_LA13_P | K17 |
| D18 | LA13_N | FMC_LA13_N | J17 |
| D19 | Ground | Ground | Ground |
| D20 | LA17_P_CC | FMC_LA17_CC_P | B17 |
| D21 | LA17_N_CC | FMC_LA17_CC_N | B18 |
| D22 | Ground | Ground | Ground |
| D23 | LA23_P | FMC_LA23_P | B21 |
| D24 | LA23_N | FMC_LA23_N | A21 |
| D25 | Ground | Ground | Ground |
| D26 | LA26_P | FMC_LA26_P | F18 |
| D27 | LA26_N | FMC_LA26_N | E18 |
| D28 | Ground | Ground | Ground |
| D29 | TCK | FMC_TCK | FPGA_TCK |
| D30 | TDI | FMC_TDI | FPGA_TDI |
| D31 | TDO | FMC_TDO | FPGA_TDO |
| D32 | 3V3AUX | VCC3V3 | VCC3V3 |
| D33 | TMS | FMC_TMS | FPGA_TMS |
| D34 | TRST_L | Not Connected | Not Connected |
| D35 | GA1 | Ground | Ground |
| D36 | 3V3 | VCC3V3 | VCC3V3 |
| D37 | Ground | Ground | Ground |
| D38 | 3V3 | VCC3V3 | VCC3V3 |
| D39 | Ground | Ground | Ground |
| D40 | 3V3 | VCC3V3 | VCC3V3 |

| FMC Pin Number | FMC Signal Name | FPGA Signal Name | FPGA package number |
|-----------------------|------------------------|-------------------------|----------------------------|
| G1 | Ground | Ground | Ground |
| G2 | CLK1-M2C_P | FMC_CLK1_M2C_P | C18 |
| G3 | CLK1-M2C_N | FMC_CLK1_M2C_N | C19 |
| G4 | Ground | Ground | Ground |
| G5 | Ground | Ground | Ground |
| G6 | LA00_P_CC | FMC_LA00_CC_P | K18 |
| G7 | LA00_N_CC | FMC_LA00_CC_N | K19 |
| G8 | Ground | Ground | Ground |
| G9 | LA03_P | FMC_LA03_P | N18 |
| G10 | LA03_N | FMC_LA03_N | N19 |
| G11 | Ground | Ground | Ground |
| G12 | LA08_P | FMC_LA08_P | M15 |
| G13 | LA08_N | FMC_LA08_N | M16 |
| G14 | Ground | Ground | Ground |
| G15 | LA12_P | FMC_LA12_P | L19 |
| G16 | LA12_N | FMC_LA12_N | L20 |
| G17 | Ground | Ground | Ground |
| G18 | LA16_P | FMC_LA16_P | G17 |
| G19 | LA16_N | FMC_LA16_N | G18 |
| G20 | Ground | Ground | Ground |
| G21 | LA20_P | FMC_LA20_P | F19 |
| G22 | LA20_N | FMC_LA20_N | F20 |
| G23 | Ground | Ground | Ground |
| G24 | LA22_P | FMC_LA22_P | E21 |
| G25 | LA22_N | FMC_LA22_N | D21 |
| G26 | Ground | Ground | Ground |
| G27 | LA25_P | FMC_LA25_P | F16 |
| G28 | LA25_N | FMC_LA25_N | E17 |
| G29 | Ground | Ground | Ground |
| G30 | LA29_P | FMC_LA29_P | C14 |
| G31 | LA29_N | FMC_LA29_N | C15 |
| G32 | Ground | Ground | Ground |
| G33 | LA31_P | FMC_LA31_P | E13 |
| G34 | LA31_N | FMC_LA31_N | E14 |
| G35 | Ground | Ground | Ground |
| G36 | LA33_P | FMC_LA33_P | F13 |
| G37 | LA33_N | FMC_LA33_N | F14 |
| G38 | Ground | Ground | Ground |
| G39 | VADJ_3 | VADJ | VADJ |
| G40 | Ground | Ground | Ground |

| FMC Pin Number | FMC Signal Name | FPGA Signal Name | FPGA package number |
|-----------------------|------------------------|-------------------------|----------------------------|
| H1 | VREF-A-M2C | VREFA_M2C | VADJ |
| H2 | PRSNT-M2C_L | PRSNT_M2C_L | R16 |
| H3 | Ground | Ground | Ground |
| H4 | CLK0-M2C_P | FMC_CLK0_M2C_P | J19 |
| H5 | CLK0-M2C_N | FMC_CLK0_M2C_N | H19 |
| H6 | Ground | Ground | Ground |
| H7 | LA02_P | FMC_LA02_P | M18 |
| H8 | LA02_N | FMC_LA02_N | L18 |
| H9 | Ground | Ground | Ground |
| H10 | LA04_P | FMC_LA04_P | N20 |
| H11 | LA04_N | FMC_LA04_N | M20 |
| H12 | Ground | Ground | Ground |
| H13 | LA07_P | FMC_LA07_P | M13 |
| H14 | LA07_N | FMC_LA07_N | L13 |
| H15 | Ground | Ground | Ground |
| H16 | LA11_P | FMC_LA11_P | L14 |
| H17 | LA11_N | FMC_LA11_N | L15 |
| H18 | Ground | Ground | Ground |
| H19 | LA15_P | FMC_LA15_P | L16 |
| H20 | LA15_N | FMC_LA15_N | K16 |
| H21 | Ground | Ground | Ground |
| H22 | LA19_P | FMC_LA19_P | A18 |
| H23 | LA19_N | FMC_LA19_N | A19 |
| H24 | Ground | Ground | Ground |
| H25 | LA21_P | FMC_LA21_P | E19 |
| H26 | LA21_N | FMC_LA21_N | D19 |
| H27 | Ground | Ground | Ground |
| H28 | LA24_P | FMC_LA24_P | B15 |
| H29 | LA24_N | FMC_LA24_N | B16 |
| H30 | Ground | Ground | Ground |
| H31 | LA28_P | FMC_LA28_P | C13 |
| H32 | LA28_N | FMC_LA28_N | B13 |
| H33 | Ground | Ground | Ground |
| H34 | LA30_P | FMC_LA30_P | A13 |
| H35 | LA30_N | FMC_LA30_N | A14 |
| H36 | Ground | Ground | Ground |
| H37 | LA32_P | FMC_LA32_P | A15 |
| H38 | LA32_N | FMC_LA32_N | A16 |
| H39 | Ground | Ground | Ground |
| H40 | VADJ_4 | VADJ | VADJ |