



Activity and Boot **CM5 Connector** GND CN1 1 2 2 2 3 3 4 4 5 5 6 6 6 7 GND 100 99 98 98 97 97 96 95 95 94 94 93 USB\_OTG\_ID USB2\_N USB2\_P PCIE\_NCLKREQ PCIE\_NWAKE PCIE\_PWR\_EN GREEN 1k PCIE\_CLK\_P PCIE\_CLK\_N PCIE\_NRESET 94 93 93 92 92 91 91 90 90 89 89 88 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 PCIE\_RX\_P PCIE\_RX\_N MIPIO\_DO\_N MIPIO\_DO\_P TACHO [ PWR\_BUTTON GT-TC018A-H0375-L1 10 11 12 13 14 15 16 17 18 19 20 21 PCIE\_TX\_P PCIE\_TX\_N MIPIO\_D1\_N MIPIO\_D1\_P GPIO26 GPIO19 GPIO13 GPIO6 89 88 88 87 87 86 86 85 85 84 84 83 GPIO21 GPIO20 GPIO16 GPIO12 USB30\_RX\_N USB30\_RX\_P MIPIO\_C\_N MIPIO\_C\_P U16 NC NC VCC LED1 USB30\_D\_P USB30\_D\_N MIPI0\_D2\_N MIPI0\_D2\_P LED\_NPWR GPIO<sub>5</sub> A GND 84 83 82 82 81 ID\_SC GPIO7 GPIO8 GPIO25 ID\_SD GPIO11 GPIO9 18 19 MIPIO\_D3\_N MIPIO\_D3\_P HDMI1\_HOTPLUG HDMI1\_SDA HDMI1\_SCL HDMI1\_CEC HDMI0\_CEC HDMI0\_HOTPLUG YLED0603R USB30\_TX\_N USB30\_TX\_P GND GPIO10 GPIO22 GPIO27 GPIO17 79 78 77 79 78 78 77 76 76 75 74 74 73 72 71 70 69 69 68 22 23 24 25 26 27 28 29 30 31 32 33 34 GPIO24 GPIO23 GPIO18 GPIO15 HDMI1\_TX2\_P HDMI1\_TX2\_N 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 76 75 74 73 72 71 70 69 68 67 66 65 64 63 62 61 60 59 58 57 55 54 53 52 51 HDMI1\_TX1\_P HDMI1\_TX1\_N GPIO4 GPIO3 GPIO2 GPIO14 SD\_CLK **NRPIBOOT** HDMI1\_TX0\_P HDMI1\_TX0\_N 29 USB31\_RX\_P SD\_CMD SD\_DAT5 SD\_DAT3 SD\_DAT0 HDMI1\_CLK\_P HDMI1\_CLK\_N USB31\_D\_P USB31\_D\_N 69 68 68 67 67 66 SD\_DAT1 SD\_DAT2 SD\_DAT4 SD\_DAT7 SD\_DAT6 67 66 66 65 65 64 64 63 HDMI0\_TX2\_P HDMI0\_TX2\_N USB31\_TX\_N USB31\_TX\_P 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 38 39 64 63 63 62 62 61 61 60 60 59 HDMI0\_TX1\_P HDMI0\_TX1\_N 38 39 40 41 42 43 44 45 46 47 MIPI1\_D0\_N MIPI1\_D0\_P 38 39 SD\_PWR\_ON 40 41 HDMI0\_TX0\_P HDMI0\_TX0\_N MIPI1\_D1\_N MIPI1\_D1\_P 57 57 HDMI0\_CLK\_P HDMI0\_CLK\_N MIPI1\_C\_N MIPI1\_C\_P MIPI1\_D3\_N MIPI1\_D3\_P MIPI1\_D2\_N MIPI1\_D2\_P NRPIBOOT LED\_NPWR CAM\_GPIO0 48 49 52 50 50 HDMI0\_SCL HDMI0\_SDA PMIC\_ENABLE CAM\_GPIO1 CONN-SMD\_DF40HC-3.0-100DS-0.4V-51 -3.0-100DS-0.4V-51 \_ GND \_ 2025-06-26 Create at Mainboard Schematic Update at 2025-07-04 Mainboard Page CM4/5 Connector Board Drawn Argo Reviewed Page 1 Total 5 Version Size azlan.works V1.0 A4







