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|  | | **Fermilab Test Board** | | |
| **Componente** | **Descripción** | | **Cantidad** | **Enlace de compra** |
| PI3546-00-LGIZ | Reguladores de voltaje de conmutación 60Vina 12Vout/8A | | 1 | [PI3546-00-LGIZ](https://www.mouser.mx/ProductDetail/Vicor/PI3546-00-LGIZ?qs=Rt6VE0PE%2FOfaqVMOchd7mQ%3D%3D) |
| PDT006A | Convertidores no aislados CC/CC 3-14.4Vin .45-5.5V6A Neg Log SMT Digital | | 4 | [PDT006A](https://co.mouser.com/ProductDetail/OmniOn-Power/PDT006A0X3-SRZ?qs=MGtkPfNRnF6Fyr8geBl0jA%3D%3D) |
| ADP7105ARDZ-R7 | Reguladores de tensión LDO 20 V, 500 mA, Low Noise LDO Regulator with Soft Start | | 1 | [ADP7105ARDZ-R7](https://co.mouser.com/ProductDetail/Analog-Devices/ADP7105ARDZ-R7?qs=S4ILP0tmc7SUFpedSDwcqQ%3D%3D) |
| TCA9546APWR | Circuitos integrados de interruptor - Varios 4-Channel I2C and SMBus | | 1 | [TCA9546APWR](https://co.mouser.com/ProductDetail/Texas-Instruments/TCA9546APWR?qs=hNud%2FORuBR3YgtCnSrHnJg%3D%3D) |
| PCA9306DCTR | Niveles de tensión Dual BiDir I2C-Bus & SMBus Vltg Lvl-Trans | | 1 | [PCA9306DCTR](https://co.mouser.com/ProductDetail/Texas-Instruments/PCA9306DCTR?qs=wgAEGBTxy7mysSrdibj0NQ%3D%3D) |
| MCP9808- E/M S | Sensores de temperatura montados en placa Silicon temp sensor with I2C interfaz | | 1 | [MCP9808- E/M S](https://co.mouser.com/ProductDetail/Microchip-Technology/MCP9808T-E-MS?qs=fgHA1UgJI8BYolGts7svKQ%3D%3D) |
| ADS7138QRTERQ1 | Conversores analógicos a digitales - ADC Automotive, 8-channel, 140-kSPS, 12-bit analog-to-digital converter (ADC) with I2C, GPIOs and CRC 16-WQFN -40 to 125 | | 1 | [ADS7138QRTERQ1](https://co.mouser.com/ProductDetail/Texas-Instruments/ADS7138QRTERQ1?qs=T94vaHKWudS4Tv1qZ6show%3D%3D) |
| SI5338A-B-GMR | Generadores de reloj y productos de soporte I2C control, 4-output, any frequency (< 710 MHz), any output, clock generator | | 1 | [SI5338A-B-GMR](https://co.mouser.com/ProductDetail/Skyworks-Solutions-Inc/SI5338A-B-GMR?qs=gjQ0PIzz%2F1NUaFNHA1jf9A%3D%3D) |
| CWX813-025.0M | Oscilador XO (estándar) LVCMOS 25 MHz 3.3V Habilitar/deshabilitar 4-SMD, sin conductor | | 1 | [CWX813-025.0M](https://www.digikey.com.mx/es/products/detail/connor-winfield/CWX813-025-0M/695523) |
| SN74AXC1T45DCKR | Transceptores de bus Single-bit dual-supply bus transceiver 6-SC70 -40 to 125 | | 2 | [SN74AXC1T45DCKR](https://co.mouser.com/ProductDetail/Texas-Instruments/SN74AXC1T45DCKR?qs=rrS6PyfT74dO52%2FnCzu%252BPg%3D%3D) |
| CP2102N-A02-GQFN24 | Interfaz IC USB USB to UART Bridge | | 1 | [CP2102N-A02-GQFN24](https://co.mouser.com/ProductDetail/Silicon-Labs/CP2102N-A02-GQFN24?qs=u16ybLDytRYKabtL%2FE7DZA%3D%3D) |
| STF202-22T1G | Supresores de descargas electrostáticas (ESD) / Diodos TVS Upstream USB Port Filter w/6V TVS | | 1 | [STF202-22T1G](https://co.mouser.com/ProductDetail/onsemi/STF202-22T1G?qs=xZq1yRCsb1dM1UQ1NtNRtw%3D%3D) |
| AD5327BRUZ -REEL7 | Conversores digitales a analógicos - DAC 12-BIT QUAD DAC I.C. | | 2 | [AD5327BRUZ-REEL7](https://co.mouser.com/ProductDetail/Analog-Devices/AD5327BRUZ-REEL7?qs=NmRFExCfTkHyDfJBXfrAdA%3D%3D) |
| ADR444BRZ | Referencias de voltaje Ultralow Noise, LDO XFET 4.096V Voltage Reference w/Current Sink and Source | | 1 | [ADR444BRZ](https://co.mouser.com/ProductDetail/Analog-Devices/ADR444BRZ?qs=WIvQP4zGaniGi1GotCNCxA%3D%3D) |
| OPA2320AIDRGT | Amplificadores de precisión Prec,20MHz,0.9pA Ib RRIO, CMOS Op Amp | | 1 | [OPA2320AIDRGT](https://co.mouser.com/ProductDetail/Texas-Instruments/OPA2320AIDRGT?qs=g5raLcSarOYmZ%2F16Ni9ytQ%3D%3D) |
| D09S33E4GV00LF | Conectores estándar subminiatura D Right angle 9 way Socket | | 1 | [D09S33E4GV00LF](https://co.mouser.com/ProductDetail/Amphenol-Commercial-Products/D09S33E4GV00LF?qs=V0y2QjpmBGQfxFRoenHLrw%3D%3D) |
| SM-K26- XCL2GC | System-OnModule, Zynq Ultrascale+Mpso c Rohs Compliant: Yes | | 1 |  |

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|  | | **Xilinx KRIA Robotics** | | |
| **Componente** | **Descripción** | | **Cantidad** | **Enlace de compra** |
| MP62341DH-LF-Z | Circuitos integrados de interruptor de alimentación - Distribución de alimentación 3.3/5V 2-Ch 1A Current Limit Switch | | 2 | [MP62341DH-LF-Z](https://co.mouser.com/ProductDetail/Monolithic-Power-Systems-MPS/MP62341DH-LF-Z?qs=rC7bBWoQAAm9s64LmOcxmA%3D%3D) |
| USB5744T-I/2G | Interfaz IC USB Hi-Speed USB Cont Hub w/ Bridging | | 2 | [USB5744T-I/2G](https://co.mouser.com/ProductDetail/Microchip-Technology/USB5744T-I-2G?qs=0UGJxaPtTkSHNa4L01ty4A%3D%3D) |
| USB3320 (C-EZK-TR) | Interfaz IC USB High Speed USB 1.8V ULPI | | 2 | [USB3320C-EZK-TR](https://co.mouser.com/ProductDetail/Microchip-Technology/USB3320C-EZK-TR?qs=pA5MXup5wxFLWWzXkMzUXA%3D%3D) |
| GSB311231HR | Conectores USB USB 3.0 Type A Stacked R/A DIP | | 2 | [GSB311231HR](https://co.mouser.com/ProductDetail/Amphenol-Commercial-Products/GSB311231HR?qs=cvlTIYUSnFbBGhAgot5hTg%3D%3D) |
| TPD4E05U06DQAR | Supresores de descargas electrostáticas (ESD) / Diodos TVS 4Chnl U-Lo Capacitnc IEC ESD Prot Diodes | | 4 | [TPD4E05U06DQAR](https://co.mouser.com/ProductDetail/Texas-Instruments/TPD4E05U06DQAR?qs=%2FCrDlo5IrVPi4woOvWz0qA%3D%3D) |
| TPD4S012 | Supresores de descargas electrostáticas (ESD) / Diodos TVS 4Ch USB ESD Solution w/ Pwr Clamp | | 5 | [TPD4S012DRYR](https://www.mouser.com/ProductDetail/Texas-Instruments/TPD4S012DRYR?qs=XGzIaZb%2FFYJve%2FbrCpoVgg%3D%3D) |
| USB2244-AEZG-06 | Interfaz IC USB Ultra Fast USB 2.0 Flash Media | | 1 | [USB2244-AEZG-06](https://www.mouser.mx/ProductDetail/Microchip-Technology/USB2244-AEZG-06?qs=pA5MXup5wxGi7RVCZrMVFw%3D%3D) |
| TPD6E004RSER | Supresores de descargas electrostáticas (ESD) / Diodos TVS Lo-Cap 4Ch +/-15 kV ESD PROT ARRAY 6Ch | | 1 | [TPD6E004RSER](https://www.mouser.mx/ProductDetail/Texas-Instruments/TPD6E004RSER?qs=WxL8HmPi5r6%2FM5XQjCwSTg%3D%3D) |
| 5025700893 | 1.10mm Pitch microSD Memory Card Connector, Normal Mount Surface Mount, Push-Push Type | | 1 | [5025700893](https://www.molex.com/en-us/products/part-detail/5025700893) |
| DP83867CSRGZ | Circuitos integrados de Ethernet 10/100/1000 ENET PHY | | 4 | [DP83867CSRGZ](https://co.mouser.com/ProductDetail/Texas-Instruments/DP83867CSRGZT?qs=VymPLiRQZISvJ0fbz7WH8w%3D%3D) |
| 0879-2C2R-V4 (Ethernet) | 4 Port RJ45Through Hole 10/100/1000 Base-T, AutoMDIX | | 4 | [0879-2C2R-V4](https://www.digikey.com/en/products/detail/bel-fuse-inc/0879-2C2R-54/2257897) |
| DMN26D0UFB4-7 | MOSFET ENHANCE MODE MOSFET 20V N-Chan | | 24 | [DMN26D0UFB4-7](https://co.mouser.com/ProductDetail/Diodes-Incorporated/DMN26D0UFB4-7?qs=GWgl%252BsiMZr%252B4pznsTuF3iQ%3D%3D) |
| 0472720001 | Conectores HDMI, DisplayPort y DVI .5MM RA SMT RCPT | | 2 | [0472720001](https://co.mouser.com/ProductDetail/Molex/47272-0001?qs=b977CAGEd7a5ciOtTcY2iQ%3D%3D) |
| TPD8S009DSMR | Supresores de descargas electrostáticas (ESD) / Diodos TVS 8Ch ESD Solution for HDMI/DisplayPort | | 1 | [TPD8S009DSMR](https://co.mouser.com/ProductDetail/Texas-Instruments/TPD8S009DSMR?qs=Lv5%252BaqTFJEOjYKYOqps%2FzA%3D%3D) |
| SN74AVC2T245 | Niveles de tensión Dual Bit Dual-Supply Bus Xcvr | | 5 | [SN74AVC2T245](https://co.mouser.com/ProductDetail/Texas-Instruments/SN74AVC2T245RSWR?qs=59Rn2Bt6jP10ddXtSUJOPw%3D%3D) |
| FIN1019 | Búfers y controladores de línea 3.3V Driver/Receiver Hi Speed Diff LVDS | | 1 | [FIN1019](https://co.mouser.com/ProductDetail/onsemi-Fairchild/FIN1019MTCX?qs=FF3lEoAMV0sxEXM1WVH2kw%3D%3D) |
| STMPS2151STR | Circuitos integrados de interruptor de alimentación - Distribución de alimentación SGL CHNL PWR SWTCH | | 1 | [STMPS2151STR](https://co.mouser.com/ProductDetail/STMicroelectronics/STMPS2151STR?qs=qolwYojYp3THidumZGqCjQ%3D%3D) |
| NB3V1104CDTR2G | Búfer de reloj 3.3V 250MHZ LVCMOS/L | | 1 | [NB3V1104CDTR2G](https://co.mouser.com/ProductDetail/onsemi/NB3V1104CDTR2G?qs=tCMd4XlZ%2FiAtqnaoZk6OAg%3D%3D) |
| SLG7XL45106 | Reset Chip | | 1 | [SLG7XL45106](https://support.xilinx.com/s/question/0D54U00006cnZDtSAM/datasheet-of-slg7xl45106-for-kria-kr260?language=en_US) |
| TCA9546A | Circuitos integrados de interruptor - Varios 4-channel 1.65- to 5.5-V I2C/SMBus switch with reset & voltage translation 16-SOIC -40 to 85 | | 1 | [TCA9546A](https://co.mouser.com/ProductDetail/Texas-Instruments/TCA9546ADR?qs=WuTGPxIYnC47qVMvzEZKNw%3D%3D) |
| M24C64-DRDW8 | EEPROM 64-Kbit serial I2C bus EEPROM 105C operation | | 3 | [M24C64-DRDW8](https://co.mouser.com/ProductDetail/STMicroelectronics/M24C64-DRDW8TP-K?qs=bzW4KIwE9U3XymQV%2FF9kSw%3D%3D) |
| PCA9306DCTR | Niveles de tensión Dual BiDir I2C-Bus & SMBus Vltg Lvl-Trans | | 1 | [PCA9306DCTR](https://co.mouser.com/ProductDetail/Texas-Instruments/PCA9306DCTR?qs=wgAEGBTxy7mysSrdibj0NQ%3D%3D) |
| 747540101 | SFP+ Cage, Single Port, Spring Finger Bezel Gasket, 3.05mm Press Fit Pins | | 1 | [747540101](https://www.molex.com/en-us/products/part-detail/747540101) |
| 744410001 | 0.80mm Pitch SFP, SFP Plus (SFP+) Host Connector, Z-Axis Pluggable, Right-Angle, Surface Mount, 20 Circuits, 0.38µm Gold (Au) | | 1 | [744410001](https://www.molex.com/en-us/products/part-detail/744410001) |
| DF40HC(4.0)-60DS-0.4V(51) | Conectores placa a placa y Mezzanine 60P 2 ROW RECEPTACLE 4MM HGHT .4MM PITCH | | 1 | [DF40HC(4.0)-60DS-0.4V(51)](https://co.mouser.com/ProductDetail/Hirose-Connector/DF40HC4.0-60DS-0.4V51?qs=tTj%252BmQ3KZwaX4XEhNHDCqg%3D%3D) |
| STMPS2161STR | Circuitos integrados de interruptor de alimentación - Distribución de alimentación SGL CHNL PWR SWTCH | | 3 | [STMPS2161STR](https://co.mouser.com/ProductDetail/STMicroelectronics/STMPS2161STR?qs=qolwYojYp3SLq5ZJVisHow%3D%3D) |
| FT4232HL\_LQFP64 | USB Hi-Speed to Quad Channel Serial UART/JTAG/SPI/I2C IC, LQFP-64  Hi-speed USB 2.0 Slave to Quad Channel UART / Serial Converter | | 1 | [FT4232HL\_LQFP64](https://ftdichip.com/products/ft4232hl/) |
| 93LC56B | EEPROM 128x16 | | 1 | [93LC56B](https://co.mouser.com/ProductDetail/Microchip-Technology/93LC56B-I-P?qs=JhC4kYev1uYZYpEMI%2FJN%252Bw%3D%3D) |
| ZX62D\_AB\_5P8(30) | Conectores USB MICRO AB RECEPT RA TH BTTM MNT | | 1 | [ZX62D\_AB\_5P8(30)](https://co.mouser.com/ProductDetail/Hirose-Connector/ZX62D-AB-5P830?qs=MSN7x50FoEsUCceum7h1FA%3D%3D) |
| MP8904 | Reguladores de tensión LDO 500mA LDO w/Power Good | | 6 | [MP8904](https://co.mouser.com/ProductDetail/Monolithic-Power-Systems-MPS/MP8904DD-LF-P?qs=sGAEpiMZZMug9GoBKXZ753J3Q69AgCGB8fUvH8dGNew%3D) |
| NC7WZ07 | IC BUFFER NON-INVERT 5.5V | | 1 | [NC7WZ07](https://www.digikey.com/en/products/base-product/onsemi/488/NC7WZ07/328211) |
| TPS3430WDRCR | Circuitos de supervisión Window watchdog timer with programmable reset delay 10-VSON -40 to 125 | | 1 | [TPS3430WDRCR](https://co.mouser.com/ProductDetail/Texas-Instruments/TPS3430WDRCR?qs=w%2Fv1CP2dgqqCtqjQEACEPw%3D%3D) |
| ADM6-60-01.5-L-4-2-A-TR | Conectores placa a placa y Mezzanine 0.635 mm AcceleRate HD High-Density 4-Row Terminal | | 8 | [ADM6-60-01.5-L-4-2-A-TR](https://co.mouser.com/ProductDetail/Samtec/ADM6-60-01.5-L-4-2-A-TR?qs=vmHwEFxEFR8sqsc%252BeHm9Xg%3D%3D) |
| 9774050960R | Separadores y espaciadores WA-SMST SMT Steel 3.3mm Intrnl NonStop | | 4 | [9774050960R](https://co.mouser.com/ProductDetail/Wurth-Elektronik/9774050960R?qs=wr8lucFkNMVIJmgdJICF1w%3D%3D) |
| MPM3810AGQB-Z | Reguladores de voltaje de conmutación PMIC Xilinx 6V Input, 1.2A ModuleSynchronous Step-Down | | 3 | [MPM3840GQV-Z](https://co.mouser.com/ProductDetail/Monolithic-Power-Systems-MPS/MPM3810AGQB-Z?qs=yqaQSyyJnNhvPSY0QKDnjA%3D%3D) |
| MP8904 | Reguladores de tensión LDO 500mA LDO w/Power Good | | 6 | [MP8904](https://co.mouser.com/ProductDetail/Monolithic-Power-Systems-MPS/MP8904DD-LF-P?qs=sGAEpiMZZMug9GoBKXZ753J3Q69AgCGB8fUvH8dGNew%3D) |
| MP8772 | Reguladores de voltaje de conmutación High-Efficiency, 12A, 17V, 700kHz, Synchronous, Step-Down Converter | | 1 | [MP8772](https://co.mouser.com/ProductDetail/Monolithic-Power-Systems-MPS/MP8772GQ-Z?qs=r5DSvlrkXmIgoUgYkGmL1w%3D%3D) |
| INA260 | Reguladores y monitores de potencia y corriente 36V, 16-bit, precision i2c output current/voltage/power monitor w/ int. shunt resistor 16-TSSOP -40 to 125 | | 2 | [INA260](https://co.mouser.com/ProductDetail/Texas-Instruments/INA260AIPW?qs=sGAEpiMZZMsMIqGZiACxIaqudb5oiHX8RjoTVq3yYXVU5ZiNKFa86Q%3D%3D) |
| MP5016HGQH-Z | Controladores de voltaje intercambiables en caliente 2.7 - 22V, 0.7 - 5A, Current Limit Switch with Over-Voltage Clamp and Reverse Blocking | | 1 | [MP5016HGQH-Z](https://co.mouser.com/ProductDetail/Monolithic-Power-Systems-MPS/MP5016HGQH-Z?qs=YCa%2FAAYMW00hGdkGCCsW%252Bw%3D%3D) |
| SM-K26- XCL2GC | System-OnModule, Zynq Ultrascale+Mpso c Rohs Compliant: Yes | | 1 |  |