D Ε В Α Bill Of Materials Quantity DigiKey Part Number Designator 5V, 12V, FANO\_1, FAN1\_1, 3M9447-ND PS\_ON, PWR 5V\_SEL, VFA0\_sel, VFA1\_sel, 10 3M9448-ND VHE2\_sel, X+, X-, Y+, Y-, Z+, Z-565-2251-1-ND C1 C2 565-2204-1-ND C21-C25, C30-C32 8 PCE5016CT-ND C3-C7, C11, C13, C16, C18, 10 311-1344-1-ND C33 C8, C14, C15, C19, C20 478-6204-1-ND C9, C12, C26-C29 445-1604-1-ND D1, D6, D7 3 S1GFSCT-ND D2-D4 CD1206-S01575CT-ND D5 DB2W40200LCT-ND D8 1655-1602-1-ND EXP2 E E MOT E E MOT E E MOT D9-D14 S2BA-FDICT-ND E0-E2, X, Y, Z 6 S7006-ND E0\_MOT, E1\_MOT, E2\_MOT, EI MOT A E2 MOT A A TOM X A FOM Y **Z** MOT A EO MOT A 277-5744-ND 020 RJ 019 PS ON X\_MOT, Y\_MOT, Z\_MOT E0\_MOT\_A, E1\_MOT\_A, ETT C8
D2 **Y1** Reset E2\_MOT\_A, ENC\_1-ENC\_4, 11 3M9449-ND USB\_H, X\_MOT\_A, Y\_MOT\_A,  $Z_MOT_A$ E0\_MS, E1\_MS, E2\_MS, X\_MS, 732-3853-1-ND W. MS Y\_MS, Z\_MS MS MS 3M9460-ND ENCOTO IC1 EXP1, EXP2, JTAG, Thermistors 2 CS ENCO20 EXP3 3M15450-ND ENCO30 F1, F2 BK-6013-ND ENCO40 FANO, FAN1, HEO-HE2 5 277-5719-ND C4 · C7 HB-OUT, HB-PWR, MAIN-PWR 3 277-6405-ND ATMEGA2560-16AU-ND ATMEGA16U2-AU-ND IC2 **₩**\$10 L4 IC4 785-1613-1-ND 2 RIST 038 **D**1 IC5 296-35399-1-ND **D6** ISP1, ISP2 2 3M9459-ND [1] B D3 D8 N<del>G</del>7€ T SKK T SK D13 J2 151-1206-1-ND L1 490-1054-1-ND 0112 72 R8 R7 p7 RIII4 F2 SRN6045TA-330MCT-**OF1** L3 TXI D14 D12 D9 ND RX SRN8040TA-470MCT-R4146 R4145 R4148 R4147 L4 ND FANO PA O <u>C5</u> LD2-LD7, Power 475-1410-1-ND 014 R9 015 LED1, RX, TX 3 475-2560-1-ND **Y2** Q1-Q6 568-10156-1-ND R1, R9 311-1.00MHRDKR-ND R2, R3, R6, R11, R12, R21, R23, 3 11 311-10.0KHRCT-ND R25, R27, R29, R45 R22, R24, R26, R28, R30, R32, 12 311-100KHRCT-ND R35, R38, R44, R47, R49, R52 R31, R34, R37, R46, R48, R51 311-10.0HRCT-ND R4, R13-R18, R33, R36, R39, 14 311-1.00KHRCT-ND R50, R53, R55, R56 R40-R43, R54 311-4.7KGRCT-ND 311-53.6KHRCT-ND Note: R57 311-8.66KHRCT-ND 1 Text element with square border. R7, R8 311-22.0HRCT-ND 679-2396-1-ND Reset 2. Text element with no border Y1, Y2 535-9041-ND (3) Text element with circle border Z1, Z2 CG0603MLC-05ECT-ND 4 JNLESS OTHERWISE SPECIFIED: NAME DATE 24/08/2017 DIMENSIONS ARE IN INCHES DRAWN OLERANCES: CHECKED RACTIONAL± ANGULAR: MACH± BEND ±
TWO PLACE DECIMAL ± NG APPR. HREE PLACE DECIMAL ± ΛFG APPR. THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE NTERPRET GEOMETRIC Q.A. OLERANCING PER: PROPERTY OF ANY REPRODUCTION IN PART DWG. NO. OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF IS PROHIBITED. NEXT ASSY **USED ON** PROPRIETARY AND CONFIDENTIAL SCALE: 1:1 WEIGHT: SHEET 1 OF 1 APPLICATION DO NOT SCALE DRAWING С В D Ε F Α

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