С Ε Α Bill Of Materials Item Quantity | DigiKey Part Number Designator 5V, 12V, FANO_1, FAN1_1, 3M9447-ND PS_ON, PWR 5V_SEL, VFA0_sel, VFA1_sel, 3M9448-ND 2 VHE2_sel, X+, X-, Y+, Y-, Z+, Z-565-2251-1-ND C1 C2 565-2204-1-ND C21-C25, C30-C32 PCE5016CT-ND C3-C7, C11, C13, C16, C18, 311-1344-1-ND C33 C8, C14, C15, C19, C20 7 478-6204-1-ND 8 C9, C12, C26-C29 445-1604-1-ND D1, D6, D7 S1GFSCT-ND 10 D2-D4 CD1206-S01575CT-ND DB2W40200LCT-ND 11 D5 D8 1655-1602-1-ND 12 13 D9-D14 S2BA-FDICT-ND EXP2 EXP1 X MOT ZMOT (EO_MOT () **E1_MO**T (**E2_MOT** (14 E0-E2, X, Y, Z S7006-ND 6 E0_MOT, E1_MOT, E2_MOT, 15 277-5744-ND (E1_MOT_A) (X_MOT_A) [A_TOM_Y EO MOT A [E2_MOT_A] X_MOT, Y_MOT, Z_MOT 020 R1 019 PS ON E0_MOT_A, E1_MOT_A, RTI C8
D2 E2_MOT_A, ENC_1-ENC_4, Reset 16 3M9449-ND C22 C25 C30 C21 USB_H, X_MOT_A, Y_MOT_A, Z_MOT_A E0_MS, E1_MS, E2_MS, X_MS, SP1 17 732-3853-1-ND MS E1 Ž E E2 Y_MS, Z_MS 5V SEL MS REPE MS MS _MS 18 3M9460-ND EXP1, EXP2, JTAG, Thermistors Į Į į į į į IC1 R45 2 19 EXP3 3M15450-ND Cå ĭ**ĚNČ**□Ž□ 20 F1, F2 BK-6013-ND ĚNČ□3 □ 21 FANO, FAN1, HEO-HE2 277-5719-ND GND PK7 ĔNČ<u>4 </u> C4 HB-OUT, HB-PWR, MAIN-PWR JTAG 22 3 277-6405-ND C7 GND PK6 R415
C29
C29
C29
C29
C28
R41
C27
C27
C28
R40
C28
C29 23 IC1 ATMEGA2560-16AU-ND ပ GND PK5 C32 IC2 24 ATMEGA16U2-AU-ND D4 D5 **₩\$**10 25 IC4 785-1613-1-ND EXP3 GND PK4 L4 2 R57 2 033 D1 IC5 26 296-35399-1-ND **E3** GND PK3 R3 R2 27 ISP1, ISP2 2 3M9459-ND **\$** D6 ISP2 [1] B D3 28 J2 151-1206-1-ND N**G**T∘ %**%** SE NOTE OF AO sell At sel 80 N**S**T C31 D13 29 L1 490-1054-1-ND **O116** S FANOL S FAN 10 1 S 012 72 R8 R7 SRN6045TA-330MCT-●F1 ● □ R114 30 L3 **F2** ND 72 ŢΧ D9 D14 D12 RX(SRN8040TA-470MCT- □D11 31 L4 **Z**1 R116 R115 R118 R117 ND7 CIII 32 LD2-LD7, Power 475-1410-1-ND <u>IC5</u> MAIN-PWR HB-PWR HB-OUT Q14 R9 Q15 PWR 33 LED1, RX, TX 475-2560-1-ND ريئ **Y2** Q1-Q6 34 568-10156-1-ND 35 R1, R9 311-1.00MHRDKR-ND R2, R3, R6, R11, R12, R21, R23, 36 311-10.0KHRCT-ND 3 R25, R27, R29, R45 R22, R24, R26, R28, R30, R32, 37 311-100KHRCT-ND R35, R38, R44, R47, R49, R52 38 R31, R34, R37, R46, R48, R51 311-10.0HRCT-ND R4, R13-R18, R33, R36, R39, 39 311-1.00KHRCT-ND R50, R53, R55, R56 40 R40-R43, R54 311-4.7KGRCT-ND 41 R5 311-53.6KHRCT-ND Note: 42 R57 311-8.66KHRCT-ND R7, R8 43 311-22.0HRCT-ND 1 Text element with square border. 44 679-2396-1-ND Reset 2. Text element with no border 45 Y1, Y2 535-9041-ND (3) Text element with circle border 46 Z1, Z2 CG0603MLC-05ECT-ND JNLESS OTHERWISE SPECIFIED: NAME DATE DIMENSIONS ARE IN INCHES DRAWN 12/24/2016 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 Α Ε

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