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|-------------------------|--|-----------|--|-----------------------------------|--|---|--|
| APPROVALS               |  | DATE      |  | PROJECT                           |  |  |  |
| ENG: Samuel Fox         |  | -         |  | Drone                             |  |   |  |
| DSN: Samuel Fox         |  | -         |  | PROJECT REVISION:                 |  | DOCUMENT REVISION:  |  |
| CHK: *                  |  | -         |  |                                   |  | DESIGN ITEM: 6fb7644413eaae5357d4481f50be0  |  |
| REFERENCE DOCUMENTS     |  |           |  | <div>Drone RF RX &amp; CRSF</div> |  |   |  |
| BOM: <BOM DOC NO>       |  |           |  |                                   |  |   |  |
| ASSY DWG: <ASSY DWG NO> |  |           |  |                                   |  |   |  |
| FAB DWG: <FAB DWG NO>   |  |           |  |                                   |  |   |  |
| PCB DWG: <PCB DWG NO>   |  |           |  |                                   |  |   |  |
| SIZE                    |  | CAGE CODE |  | DWG NO.                           |  | REV   |  |
| A3                      |  | ?????     |  | <SCH DWG NO>                      |  |   |  |
| SCALE:                  |  | FILE NAME |  | Pico-CRSF.SchDoc                  |  | SHEET 1 OF 1  |  |

| Comment              | Description  | Designator                           | Footprint                         | LibRef               | Quantity |
|----------------------|--|--------------------------------------|-----------------------------------|----------------------|----------|
| GRT21BR6J478ME13L    | Ceramic Capacitor, Multilayer, Ceramic, 6.3V, 20%+Tol, 20%-Tol, XGR, 15%TC, 47uF, Surface Mount, 0805          | C1, C2                               | FP-GRT21B-0_2-MFG                 | CMP-001-00084-1      | 2        |
| 0402SD104KAT2A       | Ceramic Capacitor, Multilayer, Ceramic, 6.3V, 10%+Tol, 10%-Tol, XGR, 15%TC, 0.1uF, Surface Mount, 0402         | C3, C4, C5, C6, C7, C8, C9, C10, C14 | CAPC1005X66X25LL10T15             | CMP-001-00085-1      | 9        |
| GRM155D80J25ME95D    | Ceramic Capacitor, Multilayer, Ceramic, 6.3V, 20%+Tol, 20%-Tol, X6T, -33/+22%TC, 2.2uF, Surface Mount, 0402    | C11, C12, C13                        | FP-GRM155-0_05-MFG                | CMP-001-00086-1      | 3        |
| CL31A107MOHNNINE     | Ceramic Capacitor, Multilayer, Ceramic, 6.3V, 20%+Tol, 20%-Tol, XGR, 15%TC, 100uF, Surface Mount, 1206         | C15, C18                             | CAPC3216X16N                      | CMP-001-00089-1      | 2        |
| GCM1555C1H300JA16D   | Ceramic Capacitor, Multilayer, Ceramic, 50V, 5%+Tol, 5%-Tol, C0G, 30ppm/Cel TC, 0.00003uF, Surface Mount, 0402 | C16, C17                             | FP-GCM155-0_05-IPC_A              | CMP-001-00088-1      | 2        |
| PMEG2010ER115        | Schottky Diode   | D1                                   | PMEG2010ER115                     | PMEG2010ER115        | 1        |
| 10118193-0001LF      | Micro USB 2.0, Input Output Connectors, B, TYPE RECEPTACLE   | J1                                   | 101181930001LF                    | CMP-004-000000-1     | 1        |
| TSW-102-26-G-S       | 0.025" SQ Post Header, Through-hole, Vertical, -55 to 125 degC, 2.54 mm Pitch, 2-Pin, Male, RoHS               | J2, J6                               | SMT-C-TSW-102-26-XX-S             | CMP-1024-00327-1     | 2        |
| 2212S-05SG-85        | Connector  | J3, J7, J8                           | RH-D6SW74P0X254_1X5_1320X250X850P | 2212S-05SG-85        | 3        |
| SMD4B-SRFS-TB_LF_SN_ | Connector  | J4                                   | SMD4B-SRFS-TB(LF_SN_)             | SMD4B-SRFS-TB_LF_SN_ | 1        |
| TSW-103-26-G-S       | Connector  | J5                                   | TSW-103-XX-YY-S                   | TSW-103-26-G-S       | 1        |
| RC0402FR-07180RL     | Fixed Resistor, Metal Glaze/thick Film, 0.0625W, 180ohm, 50V, 1%+-Tol, 100ppm/Cel, Surface Mount, 0402         | R1                                   | RESC1005X40X25NLO5T10             | CMP-009-00178-1      | 1        |
| RC0402JR-07300RL     | Fixed Resistor, Metal Glaze/thick Film, 0.0625W, 300ohm, 50V, 5%+-Tol, 100ppm/Cel, Surface Mount, 0402         | R2                                   | RESC1005X40X25NLO5T10             | CMP-009-00179-1      | 1        |
| CR0402-FX-2000GLF    | Fixed Resistor, Metal Glaze/thick Film, 0.0625W, 200ohm, 50V, 1%+-Tol, 100ppm/Cel, Surface Mount, 0402         | R3                                   | FP-CR0402-IPC_C                   | CMP-009-00180-1      | 1        |
| RC0402FR-071R        | Fixed Resistor, Metal Glaze/thick Film, 0.0625W, 1.1ohm, 50V, 1%+-Tol, 200ppm/Cel, Surface Mount, 0402         | R4                                   | RESC1005X40X25NLO5T10             | CMP-009-00181-1      | 1        |
| CR0402-FX-27R0GLF    | Fixed Resistor, Metal Glaze/thick Film, 0.0625W, 27ohm, 50V, 1%+-Tol, 100ppm/Cel, Surface Mount, 0402          | R5, R6                               | FP-CR0402-IPC_C                   | CMP-009-00182-1      | 2        |
| CR0402AFX-1001GAS    | Fixed Resistor, Metal Glaze/thick Film, 0.063W, 1000ohm, 50V, 1%+-Tol, 100ppm/Cel, Surface Mount, 0402         | R8, R9                               | FP-CR0402-IPC_C                   | CMP-009-00177-1      | 2        |
| NCP1117STAT3G        | Positive Adjustable 1 Output 1 A Linear Voltage Regulator IC - SOT-223   | U1                                   | SOT230P700X180-4N                 | CMP-019-00050-5      | 1        |
| RP2040CT             | RVSFERRY-PI RP2040CT   | U2                                   | QFN40P700X700X90_HS-57N           | CMP-020-00023-1      | 1        |
| S25FL128LAGMF010     | CYPRESS SEMICONDUCTOR-S25FL128LAGMF010-FLASH MEMORY, 128MBIT, 133MHZ, SOIC-8                                   | U3                                   | SOIC127P800X216-8N                | CMP-007-000000-1     | 1        |
| ABLS-12.000MHZB4-T   | Crystal or Oscillator  | Y1                                   | ABLS                              | ABLS-12.000MHZB4-T   | 1        |