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|-----------------|----------------|
| Eval Board Name | SI3406-BUCK-5V |
| Revision        | 2.2            |

| CreationDate | Proto Rev | Released |
|--------------|-----------|----------|
| 3/12/2021    | 2.00      | 1        |

End product must be RoHS compliant

| NI | Quantity | Reference   | Value                         | Rating | Voltage | Tolerance | Type             | PCB_Footprint   | ManufacturerPN                | Manufacturer      |
|----|----------|-------------|-------------------------------|--------|---------|-----------|------------------|-----------------|-------------------------------|-------------------|
|    | 1        | C1          | 1uF                           |        | 100V    | ±10%      | X7R              | C1210           | C1210X7R101-105K              | Venkel            |
|    | 1        | C13         | 0.1uF                         |        | 100V    | ±10%      | X7R              | C0805           | C0805X7R101-104K              | Venkel            |
|    | 1        | C14         | 220pF                         |        | 50V     | ±1%       | C0G              | C0805           | C0805C0G500-221FNE            | Venkel            |
|    | 2        | C19 C21     | 0.1uF                         |        | 16V     | ±10%      | X7R              | C0805           | C0805X7R160-104K              | Venkel            |
|    | 1        | C2          | 12uF                          |        | 100V    | ±20%      | Alum_Elec        | C2.5X6.3MM-RAD  | EEUFC2A120                    | Panasonic         |
|    | 1        | C22         | 200pF                         |        | 50V     | ±1%       | C0G              | C0805           | C0805C0G500-201FNE            | Venkel            |
|    | 2        | C4 C5       | 100uF                         |        | 6.3V    | ±10%      | X5R              | C1210           | C1210X5R6R3-107K              | Venkel            |
|    | 1        | C6          | 39pF                          |        | 25V     | ±1%       | C0G              | C0805           | C0805C0G250-390FNP            | Venkel            |
|    | 1        | C7          | 47uF                          |        | 6.3V    | ±20%      | X5R              | C0805           | C0805X5R6R3-476M              | Venkel            |
|    | 1        | D1          | SDT5H100P5                    | 5A     | 100V    |           | Schottky         | POWERDI-5       | SDT5H100P5-7                  | Diodes Inc.       |
|    | 1        | J1          | RJ-45                         |        |         |           | Receptacle       | RJ45-SI-52004   | SI-52003-F                    | Bel               |
|    | 2        | J2 J3       | BND_POST                      | 15A    |         |           | BANANA           | BANANA-JACK     | 101                           | ABBATRON HH SMITH |
|    | 1        | L2          | 47uH                          | 1.6A   |         | ±20%      | Shielded         | IND-MSS1038     | MSS1038-473ML                 | Coilcraft         |
|    | 4        | L5 L6 L7 L8 | 330 Ohm                       | 1500mA |         |           | SMT              | L0805           | BLM21PG331SN1                 | MuRata            |
|    | 1        | LB2         | LABEL-SI3406-BUCK-EVB-R2.2-5V |        |         |           | POLYIMIDE, WHITE | PTL-14-717      | LABEL-SI3406-BUCK-EVB-R2.2-5V | Skyworks          |
|    | 4        | MH4         | 4-40                          |        |         |           | SCREW            | MH-125 MH-125NP | NSS-4-4-01                    | Richco Plastic Co |
|    | 1        | PCB1        | SI3406-BUCK REV 2.0           |        |         |           | BARE PCB         | N/A             | SI3406-BUCK REV 2.0           | Skyworks          |
|    | 1        | R1          | 1K                            | 1/10W  |         | ±1%       | ThickFilm        | R0805           | CR0805-10W-1001F              | Venkel            |
|    | 1        | R10         | 88.7K                         | 1/8W   |         | ±1%       | ThickFilm        | R0805           | CRCW080588K7FKEA              | Vishay            |
|    | 1        | R11         | 75                            | 1/10W  |         | ±1%       | ThickFilm        | R0805           | CR0805-10W-75R0F              | Venkel            |
|    | 1        | R13         | 0                             | 2A     |         |           | ThickFilm        | R0805           | CR0805-10W-000                | Venkel            |
|    | 1        | R3          | 3.24K                         | 1/8W   |         | ±1%       | ThickFilm        | R0805           | CRCW08053K24FKEA              | Vishay            |
|    | 1        | R4          | 9.09K                         | 1/10W  |         | ±0.5%     | ±25PPM           | R0805           | RR1220P-9091-D-M              | Susumu            |
|    | 1        | R5          | 10                            | 1/10W  |         | ±1%       | ThickFilm        | R0805           | CR0805-10W-10R0F              | Venkel            |
|    | 1        | R6          | 3                             | 1/8W   |         | ±1%       | ThickFilm        | R0805           | CR0805-8W-3R00FT              | Venkel            |
|    | 1        | R7          | 1.2                           | 1/10W  |         | ±5%       | ThickFilm        | R0805           | CR0805-10W-1R2J               | Venkel            |
|    | 1        | R8          | 200K                          | 1/10W  |         | ±1%       | ThickFilm        | R0805           | CR0805-10W-2003F              | Venkel            |
|    | 1        | R9          | 24.3k                         | 1/8W   |         | ±1%       | ThickFilm        | R0805           | CRCW080524K3FKEA              | vishay            |
|    | 4        | SO4         | STANDOFF                      |        |         |           | STANDOFF         |                 | 2397                          | SPC Technology    |
|    | 4        | TP12        | BLACK                         |        |         |           | LOOP             | TESTPOINT       | 5001                          | Keystone          |
|    | 1        | U1          | Si3406                        |        | 120V    |           | PD               | QFN20N5X5P0.8   | SI3406-A-GM                   | Skyworks          |

Not Installed Components

| NI | Quantity | Reference   | Value | Rating | Voltage | Tolerance | Type      | PCB_Footprint | ManufacturerPN   | Manufacturer |
|----|----------|-------------|-------|--------|---------|-----------|-----------|---------------|------------------|--------------|
| NI | 1        | C20         | 330pF |        | 50V     | ±1%       | C0G       | C0805         | C0805C0G500-331F | Venkel       |
| NI | 1        | C3          | 560uF |        | 6.3V    | ±20%      | Alum_Elec | C3.5X8MM-RAD  | EEUFM0J561       | Panasonic    |
| NI | 1        | C8          | 100uF |        | 6.3V    | ±10%      | X5R       | C1210         | C1210X5R6R3-107K | Venkel       |
| NI | 1        | R12         | 0     | 2A     |         |           | ThickFilm | R0805         | CR0805-10W-000   | Venkel       |
| NI | 1        | R14         | 120   | 1/10W  |         | ±1%       | ThickFilm | R0805         | CR0805-10W-1200F | Venkel       |
| NI | 8        | TP6 TP7 TP8 | BLACK |        |         |           | LOOP      | TESTPOINT     | 5001             | Keystone     |