MAXREFDES27# BOM

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| Designation | Qty | Description |
| C1 | 1 | CAP CER 1UF 50V 10% X7R (0603) Taiyo Yuden UMK107AB7105KA-T |
| C2,C3 | 2 | CAP CER 0.1UF 50V 10% X7R (0402) Taiyo Yuden UMK105B7104KV-FR |
| C4B,C5,C7,C10, | 4 | CAP CER 0.1UF 16V 10% X5R (0201) TDK C0603X5R1C104K030BC |
| C8,C9 | 2 | CAP CER 15PF 50V 5% NP0 (0201) TDK C0603C0G1H150J030BA |
| C4A,C6 | 2 | CAP CER 1UF 6.3V 20% X5R (0201) TDKC0603X5R0J105M030BC |
| CIN | 1 | CAP CER 1UF 100V 10% X7S (0805) TDK C2012X7S2A105K |
| COUT | 1 | CAP CER 4.7UF 10V 10% X7S (0805) Murata GCM21BC71A475KA73# |
| CIN2, COUT2 | 2 | CAP CER 2.2UF 16V 10% X5R (0402) TDK C1005X5R1C225K050BC |
| CN1 | 1 | M12-A 4-pin Male connector (M12\_Edge) Binder 09-0431-212-04 |
| CN2 | 1 | 8-pin Female connector (2x4x1.27) Samtec CLP-104-02-G-D |
| CF | 1 | CAP CER 0.01UF 10V 10% X7R (0201) TDK C0603X7R1A103K030BA |
| D1, D2 | 2 | 36V TVS Diode with 55V clamp (3 SOT23) Semtech SDC36C.TCT |
| D5 | 1 | Yellow 1mA Led, (0402) Rohm SML-P12YTT86 |
| D6 | 1 | Red 1mA Led, (0402) Rohm SML-P12UTT86 |
| D7 | 1 | Green 1mA Led, (0402) Rohm SML-P12PTT86 |
| L1 | 1 | 100uH Inductor COILCRAFT LPS3015-104ML |
| R0A, RP1, RP2 | 3 | 0 Ohm resistor 50V (0402) 0.125W  Vishay/Dale CRCW04020000Z0EDHP |
| R11 | 1 | 0 Ohm 5% resistor (0201) 0.05W |
| R1 | 1 | 1 Ohm 1% resistor 50V (0402) 0.125W / 353mA max Vishay/Dale CRCW04021R00FKEDHP |
| R2, R3 | 2 | 20k Ohm 5% resistor (0402) 0.1W / 2.2mA max |
| R4 | 1 | 1.5k Ohm 5% resistor (0201) 0.05W / 5.7mA max |
| R7,R8 | 2 | 10k Ohm 5% resistor (0201) 0.05W / 2.2mA max |
| R9 | 1 | 499k Ohm 1% resistor (0201) 0.05W |
| R10 | 1 | 95.3k Ohm 1% resistor (0201) 0.05W |
| R12 | 1 | 69.8k Ohm 1% resistor (0201) 0.05W |
| RVP | 1 | 10 Ohm resistor (0402)  any |
| U1 | 1 | IO Link Device Transceiver (25 WLP) Maxim MAX14821EWA+ |
| U2 | 1 | Low Power uC (25 WFLGA) Renesas R5F10E8EALA#U0 |
| U3 | 1 | 60V Ultra Small Step-Down Converter (10 TDFN-EP) Maxim MAX17552ATB+ |
| U5 | 1 | UCSP 200mA Linear Regulator Maxim MAX8532EBTJ+ |
| Y1 | 1 | 18.432MHz Crystal (4 SMD) Mercury X22-18.432-12-30/30/4085 |
| PCB1 | 1 | Assembled PC board: Mountain View (MAXREFDES28#) Proximity Sensor Board shaped like a mushroom with stem MAXREFDES28# |
| C2B | 0 | Not installed. CAP CER 0.1UF 50V 10% X7R (0402) Taiyo Yuden UMK105B7104KV-FR |
| CV5 | 0 | Not installled. CAP CER 1UF 10V 10% X5R (0402) TDK C1005X5R1A105K |
| R0B | 0 | Not installed. 0 Ohm resistor 50V (0402) 0.125W  Vishay/Dale CRCW04020000Z0EDHP |
| RV5 | 0 | Not installed. 10 Ohm 1% resistor (0402) |
| TP1 | 0 | Not installed .Test Point |
| PCB2 | 1 | PC board: Saratoga (MAXREFDES27#) IO Link M12-4 Prox Sensor Device |

All components not listed above are not installed.