

SmartSensor v1.2 - 20210616

Item	Qty	Reference(s)	Value
1	4	C1, C3, C4, C17	10uF
2	9	C2, C5, C7, C8, C10, C12, C13, C14, C19	100nF
3	2	C6, C16	1uF
4	2	C9, C11	22pF
5	1	C15	8.2pF
6	1	C18	1F
7	3	D1, D2, D5	D_Small
8	2	D3, D4	RED
9	1	D6	GREEN
10	1	F1	Polyfuse_Small
12	1	IC1	VEML7700-TT
13	1	IC2	SHTC3
14	1	IC3	XB24CZ7PIT-004
15	1	IC4	ATECC608B-SSHDA-B
16	1	J1	USB_B_Micro
26	1	L1	2.2uH @ 2,5A
27	1	L2	4.7uH
28	1	Q1	DMG2301L
29	2	R1, R5	100k
30	1	R2	200k
31	1	R3	100
32	1	R7	10k
33	2	R8, R10	2.2k
34	3	R4, R9, R12	210
35	3	S1, S2, S3	Push button
37	1	U1	TPS63001
38	1	U2	CCS811
39	1	U3	MCP7940N-xSN
40	1	U4	ATmega324PB-AU
41	1	Y1	20MHz
42	1	Y2	Crystal

LibPart

Device:C_Small
Device:C_Small
Device:C_Small
Device:C_Small
Device:C_Small
Device:CP
Device:D_Small
Device:LED_Small
Device:LED_Small
Device:Polyfuse_Small
VEML7700-TT:VEML7700-TT
SamacSys_Parts:SHTC3
XB24CZ7PIT-004:XB24CZ7PIT-004
ATECC608B-SSHDA-B:ATECC608B-SSHDA-B
Connector:USB_B_Micro
Device:L_Small
Device:L_Small
Transistor_FET:DMG2301L
Device:R_Small
Device:R_Small
Device:R_Small
Device:R_Small
Device:R_Small
Device:R_Small
Device:R_Small
Switch:SW_Push
Regulator_Switching:TPS63001
Sensor_Gas:CCS811
Timer:MCP7940N-xSN
MCU_Microchip_ATmega:ATmega324PB-AU
Device:Crystal
Device:Crystal

Footprint

Capacitor_SMD:C_0805_2012Metric
Capacitor_SMD:C_0805_2012Metric
Capacitor_SMD:C_0805_2012Metric
Capacitor_SMD:C_0805_2012Metric
Capacitor_SMD:C_0805_2012Metric
Capacitor_THT:CP_Radial_D14.0mm_P5.00mm
Diode_SMD:D_0805_2012Metric
LED_SMD:LED_0805_2012Metric
LED_SMD:LED_0805_2012Metric
Fuse:Fuse_1812_4532Metric
SmartSensor:VEML7700
Package_DFN_QFN:AMS_QFN-4-1EP_2x2mm_P0.95mm_EP0.7x1.6mm
XB24CZ7PIT-004:XB24CAPIT-001
ATECC608B-SSHDA-B:SOIC127P600X175-8N
Connector_USB:USB_Micro-B_Amphenol_10103594-0001LF_Horizontal
Inductor_SMD:L_Vishay_IHLP-2020
Inductor_SMD:L_1206_3216Metric_Pad1.42x1.75mm_HandSolder
Package_TO_SOT_SMD:SOT-23
Resistor_SMD:R_0805_2012Metric
Resistor_SMD:R_0805_2012Metric
Resistor_SMD:R_0805_2012Metric
Resistor_SMD:R_0805_2012Metric
Resistor_SMD:R_0805_2012Metric
Resistor_SMD:R_0805_2012Metric
LL3301AF065QJ:LL3301FF065QJ
Package_SON:Texas_DRC0010J_ThermalVias
Package_LGA:AMS_LGA-10-1EP_2.7x4mm_P0.6mm
Package_SO:SOIC-8_3.9x4.9mm_P1.27mm
Package_QFP:TQFP-44_10x10mm_P0.8mm
Crystal:Crystal_SMD_Abracon_ABM3-2Pin_5.0x3.2mm
Crystal:Crystal_SMD_G8-2Pin_3.2x1.5mm

Manufacturer number

[08056D106KAT4A](#)
[08055C104KAT2A](#)
[C0805C105K4RAC](#)
[C0805C220K1HACTU](#)
[C0805C829C1HACAUO](#)
[FGR0H105ZF](#)
[NSVR1020MW2T1G](#)
[150080SS75000](#)
[150080GS75000](#)
[1812L300MR](#)
[VEML7700-TT](#)
[SHTC3](#)
[XB24CAWIT-001](#)
[ATECC608B-SSHDA-B](#)
[10103594-0001LF](#)
[IHLP2020CZER2R2M11](#)
[AIML-1206-4R7K-T](#)
[DMG2301LK-7](#)
[RN73H2ATTD1003B25](#)
[RN73H2ATTD2003B25](#)
[RN73H2ATTD1000B25](#)
[RN73H2ATTD1002B25](#)
[RN73H2ATTD2201B10](#)
[RN73H2ATTD2100B25](#)
[LL3301FF065QJ](#)
[TPS63001DRCR](#)
[CCS811B-JOPR](#)
[MCP7940N-I/SN](#)
[ATMEGA324PB-AU](#)
[ABM3AIG-20.000MHZ-8-1R-T](#)
[ABS07W-32.768kHz-K-1-T](#)

Remark

Standard component can be found anywhere

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Normally not for Elines B.V.

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Aangepast naar 1206

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