

Designator	Comment	Description	Footprint	LibRef	SupplierName	SupplierOrderCode
U1	TDE1708DFT	Intelligent power switch	DFN(4x4)	TDE1708DFT	STMicroelectronics	TDE1708DFT
U2	ST7LITEUS5	8-bit MCU with single voltage Flash memory, ADC, timers	DFN8	ST7LITEUS5	STMicroelectronics	ST7FLITEUS5U3
C1, C7	10nF	Capacitor	2012[0805]	Cap SMD	EPCOS	B37941A1103K0**
C2	100nF	Capacitor	2012[0805]	Cap SMD	EPCOS	B37941A5104K0**
C3, C11, C14	10nF	Capacitor	1608[0603]	Cap SMD	EPCOS	B37931A5103K0**
C4, C5	100nF	Capacitor	1608[0603]	Cap SMD	EPCOS	B37931K0104K0**
C6	10uF/6.3V	Polarized Capacitor (Surface Mount)	C3225[1210]	Cap Pol (CTS 10M/6.3V B)	GM Electronic	907-109 (CTS 10M/6.3V B)
C8, C13	1.5nF	Capacitor	1608[0603]	Cap SMD	EPCOS	B37931A5152K0**
C9	100pF	Capacitor	1608[0603]	Cap SMD	EPCOS	B37930A5101J0**
C10	47pF	Capacitor	1608[0603]	Cap SMD	EPCOS	B37930A5470J0**
C12	470pF	Capacitor	1608[0603]	Cap SMD	EPCOS	B37930A5471J0**
D1	Status LED	Typical RED, GREEN, YELLOW, AMBER GaAs LED	3.2X1.6X1.1	LED SMD	GM Electronic	960-043 (LED 1206 YELLOW 60/130)
D2, D4, D5	1N4148	High Conductance Fast Diode	SOD80C	1N4148	GM Electronic	917-001 (1N4148 SMD)
D3	Diag. LED	Typical RED, GREEN, YELLOW, AMBER GaAs LED	3.2X1.6X1.1	LED SMD	GM Electronic	960-044 (LED 1206 RED 45/130)
L1	68uH	PS-Core Inductor	PS7.35X3.6	Inductor (B65933A0000X022)	BOHEMIA ELECTRIC	BES070815
					EPCOS	Core B65933A0000X022, Coil former B65512C0000T001
P1, P3	+Vs	Header, 1-Pin	HDR1X1	Header 1X1	GM Electronic	832-017 (S1G20)
P2	Con ICC	ICC Connector	MLW10G	Con ICC	GM Electronic	800-035 (MLW10G)
P4, P9	LED	Header, 1-Pin	HDR1X1	Header 1X1	GM Electronic	832-017 (S1G20)
P5	C	Header, 1-Pin	HDR1X1	Header 1X1	GM Electronic	832-017 (S1G20)
P6, P7	LS	Header, 1-Pin	HDR1X1	Header 1X1	GM Electronic	832-017 (S1G20)
P8, P11	HS	Header, 1-Pin	HDR1X1	Header 1X1	GM Electronic	832-017 (S1G20)
P10, P15	A	Header, 1-Pin	HDR1X1	Header 1X1	GM Electronic	832-017 (S1G20)
P12, P13	GND	Header, 1-Pin	HDR1X1	Header 1X1	GM Electronic	832-017 (S1G20)
P14	+5V	Header, 1-Pin	HDR1X1	Header 1X1	GM Electronic	832-017 (S1G20)
Q1	BC857B	PNP General-purpose Transistor	SOT-23	BC857B	GM Electronic	912-021 (BC857B)
R1	0	Resistor	1608[0603]	Res SMD	GM Electronic	901-396 (R0603 0R)
R2	4.7K	Resistor	1608[0603]	Res SMD	GM Electronic	901-509 (R0603 4K7 1%)
R3, R5	1.5K	Resistor	1608[0603]	Res SMD	GM Electronic	901-504 (R0603 1K5 1%)
R4, R6	10K	Resistor	1608[0603]	Res SMD	GM Electronic	901-399 (R0603 10K 1%)
R7	220K	Resistor	1608[0603]	Res SMD	GM Electronic	901-534 (R0603 220K 1%)

Non electric components

		Jumper			GM Electronic	832-140 (JUMP-SW OPEN BLACK)
		Screw			GM Electronic	662-005 (SKM3X6)
		Distance column			GM Electronic	623-084 (KDI6M3X08)