



	LibRef	Footprint	Designator	Description	Comment
	Component_1	PCBComponent_1	*1	 	Component_1
2	CON Phoonix MST	MSTB 2,5/2-G-5,08	BATTERY1, rs1	2 Pitch: 5.08 mm Color: green	PHOENIX
				Contact surface: Tin Assembly	TIOLINA
	2 CMP-05427- 001624-1	FP-RAD-TH- D_16_0_5-L_25_2- MFG	c3, c4	Aluminum Electrolytic	
,				Capacitors (Radial	ECA1CM472
2				Lead Type) 4700uF	ECATOW#72
				±20% 16V	
				Aluminum	
1		CAPPR65-350- 1150X800X1250	C1	Electrolytic	
				Capacitor, 100 uF,	400115
				+/- 20%, 50 V, -40	100UF
				to 85 degC, 2-Pin	
				THD, RoHS, Bulk	
	CMP-1665-00042-2	CAPPR65-350- 1150X800X1250	C2	Aluminum	
				Electrolytic	
				Capacitor, 100 uF,	1000UF
				+/- 20%, 50 V, -40	
				to 85 degC, 2-Pin	
				THD, RoHS, Bulk Capacitor	
2	Cap Semi	RB.1/.3	C5, C6	(Semiconductor	33PF
	Cap Com		33, 30	SIM Model)	
	ANTENNA	SMA-Right	CN1		ANTENNA
		J -		Oters deed Dees	
		ONSC- AXIAL_LEAD-2-59- 10_P	D1, D3, D4, D5	Standard Recovery	
2	CMP-0902-00147-1			Rectifier, 2-Pin Axial Lead, Pb-	1N4007RLG
				Free, Tape and Reel	
	1 CMP-2000-06895-2		J1	Through Hole Right	
				Angle DC Power	
4		CUI-PJ-002A_V		Jack, 2.5 A, 2 mm	PJ-002A
				Center Pin, 3	
			I	Position, -25 to 85	
	Header6X1	HEADER 6X1	J?	degC, RoHS, Bulk	Header6X1
				Radial Inductor, 100	
		IND DOG 500	I	uH, +/- 10%, 0.91 A,	
4	11CMP-17/7-00013-1	INDR62-500-	L1	-55 to 105 degC, 2-	100UH
		1100X850X1100		Pin THD, RoHS,	
				Bulk	
2	LED 3MM	LED3mm_GRN	pg1, status1	Light Emitting Diode	LED3MM
	00N BI : NOT			3 Pitch: 5.08 mm	
	CON_Phoenix_MST B_03	MSTB 2,5/3-G-5,08	pir1	Color: green	PHOENIX
1			ľ	Contact surface:	
1	12_00			Tin Assembly	
	5_00				
		c945	01 02 03	NPN Silicon Enitaxial Planar	C945
	3 C945	c945	Q1, Q2, Q3	Epitaxial Planar	C945
3	3 C945		Q1, Q2, Q3 R1, R4, R5, R8,	Epitaxial Planar Transistor	
3	3 C945 3 Res1	c945 AXIAL-0.3		Epitaxial Planar	Res1
6	Res1	AXIAL-0.3 1206 Resistor	R1, R4, R5, R8, R9, R10 R6, R7	Epitaxial Planar Transistor	Res1 Resistor SMD
6	3 C945 3 Res1	AXIAL-0.3 1206 Resistor 1812 Resistor	R1, R4, R5, R8, R9, R10	Epitaxial Planar Transistor Resistor	Res1
\$ 6 2 2	Res1 Resistor SMD Resistor SMD	AXIAL-0.3 1206 Resistor 1812 Resistor Relay	R1, R4, R5, R8, R9, R10 R6, R7	Epitaxial Planar Transistor Resistor	Resistor SMD Resistor SMD
\$ 6 2 2	Res1 Resistor SMD Resistor SMD RELAY General	AXIAL-0.3 1206 Resistor 1812 Resistor Relay 15.40x12.10x13.10	R1, R4, R5, R8, R9, R10 R6, R7 R11, R12 RELAY1	Epitaxial Planar Transistor Resistor Relay_SPDT POWER NEEDLE	Res1 Resistor SMD Resistor SMD Relay
\$ 6 2 2	Res1 Resistor SMD Resistor SMD	AXIAL-0.3 1206 Resistor 1812 Resistor Relay	R1, R4, R5, R8, R9, R10 R6, R7 R11, R12	Epitaxial Planar Transistor Resistor Relay_SPDT POWER NEEDLE Header, 4-Pin	Resistor SMD Resistor SMD
\$ 6 2 2	Res1 Resistor SMD Resistor SMD RELAY General	AXIAL-0.3 1206 Resistor 1812 Resistor Relay 15.40x12.10x13.10	R1, R4, R5, R8, R9, R10 R6, R7 R11, R12 RELAY1 REMOTE1	Epitaxial Planar Transistor Resistor Relay_SPDT POWER NEEDLE Header, 4-Pin SWITCH TACTILE	Res1 Resistor SMD Resistor SMD Relay Header 4
\$ 6 2 2	C945 Res1 Resistor SMD Resistor SMD RELAY General Header 4	AXIAL-0.3 1206 Resistor 1812 Resistor Relay 15.40x12.10x13.10 HDR1X4	R1, R4, R5, R8, R9, R10 R6, R7 R11, R12 RELAY1	Epitaxial Planar Transistor Resistor Relay_SPDT POWER NEEDLE Header, 4-Pin SWITCH TACTILE SPST-NO 0.02A	Res1 Resistor SMD Resistor SMD Relay
\$ 6 2 2	Res1 Resistor SMD Resistor SMD RELAY General Header 4 CMP-05618-	AXIAL-0.3 1206 Resistor 1812 Resistor Relay 15.40x12.10x13.10 HDR1X4 FP-EVQ-PAE09K-	R1, R4, R5, R8, R9, R10 R6, R7 R11, R12 RELAY1 REMOTE1	Epitaxial Planar Transistor Resistor Relay_SPDT POWER NEEDLE Header, 4-Pin SWITCH TACTILE SPST-NO 0.02A 15V	Res1 Resistor SMD Resistor SMD Relay Header 4
2 2 1 1 1 1	Res1 Resistor SMD Resistor SMD Resistor SMD RELAY General Header 4 CMP-05618- 000085-1	AXIAL-0.3 1206 Resistor 1812 Resistor Relay 15.40x12.10x13.10 HDR1X4 FP-EVQ-PAE09K-MFG	R1, R4, R5, R8, R9, R10 R6, R7 R11, R12 RELAY1 REMOTE1	Epitaxial Planar Transistor Resistor Relay_SPDT POWER NEEDLE Header, 4-Pin SWITCH TACTILE SPST-NO 0.02A 15V 2 Pitch: 5.08 mm	Res1 Resistor SMD Resistor SMD Relay Header 4 EVQ-PAE09K
2 2 1 1 1 1	Res1 Resistor SMD Resistor SMD RELAY General Header 4 CMP-05618-	AXIAL-0.3 1206 Resistor 1812 Resistor Relay 15.40x12.10x13.10 HDR1X4 FP-EVQ-PAE09K-	R1, R4, R5, R8, R9, R10 R6, R7 R11, R12 RELAY1 REMOTE1	Epitaxial Planar Transistor Resistor Relay_SPDT POWER NEEDLE Header, 4-Pin SWITCH TACTILE SPST-NO 0.02A 15V	Res1 Resistor SMD Resistor SMD Relay Header 4
2 2 1 1 1 1	Res1 Resistor SMD Resistor SMD Resistor SMD RELAY General Header 4 CMP-05618- 000085-1 CON_Phoenix_MST	AXIAL-0.3 1206 Resistor 1812 Resistor Relay 15.40x12.10x13.10 HDR1X4 FP-EVQ-PAE09K-MFG	R1, R4, R5, R8, R9, R10 R6, R7 R11, R12 RELAY1 REMOTE1	Epitaxial Planar Transistor Resistor Relay_SPDT POWER NEEDLE Header, 4-Pin SWITCH TACTILE SPST-NO 0.02A 15V 2 Pitch: 5.08 mm Color: green	Res1 Resistor SMD Resistor SMD Relay Header 4 EVQ-PAE09K
\$ 6 2 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Res1 Resistor SMD Resistor SMD Resistor SMD RELAY General Header 4 CMP-05618- 000085-1 CON_Phoenix_MST B_02	AXIAL-0.3 1206 Resistor 1812 Resistor Relay 15,40x12.10x13.10 HDR1X4 FP-EVQ-PAE09K- MSTB 2,5/2-G-5,08	R1, R4, R5, R8, R9, R10 R6, R7 R11, R12 RELAY1 REMOTE1 reset1	Epitaxial Planar Transistor Resistor Relay_SPDT POWER NEEDLE Header, 4-Pin SWITCH TACTILE SPST-NO 0.02A 15V 2 Pitch: 5.08 mm Color: green Contact surface:	Res1 Resistor SMD Resistor SMD Relay Header 4 EVQ-PAE09K ALARM
\$ 6 2 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Res1 Resistor SMD Resistor SMD Resistor SMD RELAY General Header 4 CMP-05618- 000085-1 CON_Phoenix_MST	AXIAL-0.3 1206 Resistor 1812 Resistor Relay 15.40x12.10x13.10 HDR1X4 FP-EVQ-PAE09K-MFG	R1, R4, R5, R8, R9, R10 R6, R7 R11, R12 RELAY1 REMOTE1	Epitaxial Planar Transistor Resistor Relay_SPDT POWER NEEDLE Header, 4-Pin SWITCH TACTILE SPST-NO 0.02A 15V 2 Pitch: 5.08 mm Color: green Contact surface: Tin Assembly	Res1 Resistor SMD Resistor SMD Relay Header 4 EVQ-PAE09K
\$ 6 2 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Res1 Resistor SMD Resistor SMD Resistor SMD RELAY General Header 4 CMP-05618- 000085-1 CON_Phoenix_MST B_02	AXIAL-0.3 1206 Resistor 1812 Resistor Relay 15,40x12.10x13.10 HDR1X4 FP-EVQ-PAE09K- MSTB 2,5/2-G-5,08	R1, R4, R5, R8, R9, R10 R6, R7 R11, R12 RELAY1 REMOTE1 reset1	Epitaxial Planar Transistor Resistor Relay_SPDT POWER NEEDLE Header, 4-Pin SWITCH TACTILE SPST-NO 0.02A 15V 2 Pitch: 5.08 mm Color: green Contact surface: Tin Assembly IC REG BUCK ADJ 3A TO220-5 8-bit AVR	Res1 Resistor SMD Resistor SMD Relay Header 4 EVQ-PAE09K ALARM
\$ 6 2 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Res1 Resistor SMD Resistor SMD Resistor SMD RELAY General Header 4 CMP-05618- 000085-1 CON_Phoenix_MST B_02	AXIAL-0.3 1206 Resistor 1812 Resistor Relay 15,40x12.10x13.10 HDR1X4 FP-EVQ-PAE09K- MSTB 2,5/2-G-5,08	R1, R4, R5, R8, R9, R10 R6, R7 R11, R12 RELAY1 REMOTE1 reset1	Epitaxial Planar Transistor Resistor Relay_SPDT POWER NEEDLE Header, 4-Pin SWITCH TACTILE SPST-NO 0.02A 15V 2 Pitch: 5.08 mm Color: green Contact surface: Tin Assembly IC REG BUCK ADJ 3A TO220-5 8-bit AVR Mcrocontroller, 4.5-	Res1 Resistor SMD Resistor SMD Relay Header 4 EVQ-PAE09K ALARM
\$ 6 2 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Res1 Resistor SMD Resistor SMD Resistor SMD RELAY General Header 4 CMP-05618- 000085-1 CON_Phoenix_MST B_02	AXIAL-0.3 1206 Resistor 1812 Resistor Relay 15,40x12.10x13.10 HDR1X4 FP-EVQ-PAE09K- MSTB 2,5/2-G-5,08	R1, R4, R5, R8, R9, R10 R6, R7 R11, R12 RELAY1 REMOTE1 reset1	Epitaxial Planar Transistor Resistor Relay_SPDT POWER NEEDLE Header, 4-Pin SWITCH TACTILE SPST-NO 0.02A 15V 2 Pitch: 5.08 mm Color: green Contact surface: Tin Assembly IC REG BUCK ADJ 3A TO220-5 8-bit AVR Microcontroller, 4.5- 5.5V, 16KB Flash,	Res1 Resistor SMD Resistor SMD Relay Header 4 EVQ-PAE09K ALARM
1 1 1	Gestal Resistor SMD Resistor SMD Resistor SMD RELAY General Header 4 CMP-05618- 000085-1 CON_Phoenix_MST B_02 CMP-0069-01993-4	AXIAL-0.3 1206 Resistor 1812 Resistor Relay 15.40x12.10x13.10 HDR1X4 FP-EVQ-PAE09K-MFG MSTB 2,5/2-G-5,08 FP-KC0005A-MFG	R1, R4, R5, R8, R9, R10 R6, R7 R11, R12 RELAY1 REMOTE1 reset1	Epitaxial Planar Transistor Resistor Relay_SPDT POWER NEEDLE Header, 4-Pin SWITCH TACTILE SPST-NO 0.02A 15V 2 Pitch: 5.08 mm Color: green Contact surface: Tin Assembly IC REG BUCK ADJ 3A TO220-5 8-bit AVR Microcontroller, 4.5-5.5V, 16KB Flash, 512 Bytes	Res1 Resistor SMD Resistor SMD Relay Header 4 EVQ-PAE09K ALARM LM2576
1 1 1	Res1 Resistor SMD Resistor SMD Resistor SMD RELAY General Header 4 CMP-05618- 000085-1 CON_Phoenix_MST B_02	AXIAL-0.3 1206 Resistor 1812 Resistor Relay 15.40x12.10x13.10 HDR1X4 FP-EVQ-PAE09K-MFG MSTB 2,5/2-G-5,08 FP-KC0005A-MFG	R1, R4, R5, R8, R9, R10 R6, R7 R11, R12 RELAY1 REMOTE1 reset1	Epitaxial Planar Transistor Resistor Relay_SPDT POWER NEEDLE Header, 4-Pin SWITCH TACTILE SPST-NO 0.02A 15V 2 Pitch: 5.08 mm Color: green Contact surface: Tin Assembly IC REG BUCK ADJ 3A TO220-5 8-bit AVR Microcontroller, 4.5- 5.5V, 16KB Flash, 512 Bytes EEPROM, 1KB	Res1 Resistor SMD Resistor SMD Relay Header 4 EVQ-PAE09K ALARM
1 1 1	Gestal Resistor SMD Resistor SMD Resistor SMD RELAY General Header 4 CMP-05618- 000085-1 CON_Phoenix_MST B_02 CMP-0069-01993-4	AXIAL-0.3 1206 Resistor 1812 Resistor Relay 15.40x12.10x13.10 HDR1X4 FP-EVQ-PAE09K-MFG MSTB 2,5/2-G-5,08 FP-KC0005A-MFG	R1, R4, R5, R8, R9, R10 R6, R7 R11, R12 RELAY1 REMOTE1 reset1	Epitaxial Planar Transistor Resistor Resistor Relay_SPDT POWER NEEDLE Header, 4-Pin SWITCH TACTILE SPST-NO 0.02A 15V 2 Pitch: 5.08 mm Color: green Contact surface: Tin Assembly IC REG BUCK ADJ 3A TO220-5 8-bit AVR Microcontroller, 4.5- 5.5V, 16KB Flash, 512 Bytes EEPROM, 1KB SRAM, 44-pin	Res1 Resistor SMD Resistor SMD Relay Header 4 EVQ-PAE09K ALARM LM2576
1 1 1	Gestal Resistor SMD Resistor SMD Resistor SMD RELAY General Header 4 CMP-05618- 000085-1 CON_Phoenix_MST B_02 CMP-0069-01993-4	AXIAL-0.3 1206 Resistor 1812 Resistor Relay 15.40x12.10x13.10 HDR1X4 FP-EVQ-PAE09K-MFG MSTB 2,5/2-G-5,08 FP-KC0005A-MFG	R1, R4, R5, R8, R9, R10 R6, R7 R11, R12 RELAY1 REMOTE1 reset1	Epitaxial Planar Transistor Resistor Relay_SPDT POWER NEEDLE Header, 4-Pin SWITCH TACTILE SPST-NO 0.02A 15V 2 Pitch: 5.08 mm Color: green Contact surface: Tin Assembly IC REG BUCK ADJ 3A TO220-5 8-bit AVR Microcontroller, 4.5- 5.5V, 16KB Flash, 512 Bytes EEPROM, 1KB SRAM, 44-pin TQFP, Industrial	Res1 Resistor SMD Resistor SMD Relay Header 4 EVQ-PAE09K ALARM LM2576
1 1 1	Gestal Resistor SMD Resistor SMD Resistor SMD RELAY General Header 4 CMP-05618- 000085-1 CON_Phoenix_MST B_02 CMP-0069-01993-4	AXIAL-0.3 1206 Resistor 1812 Resistor Relay 15.40x12.10x13.10 HDR1X4 FP-EVQ-PAE09K-MFG MSTB 2,5/2-G-5,08 FP-KC0005A-MFG	R1, R4, R5, R8, R9, R10 R6, R7 R11, R12 RELAY1 REMOTE1 reset1	Epitaxial Planar Transistor Resistor Relay_SPDT POWER NEEDLE Header, 4-Pin SWITCH TACTILE SPST-NO 0.02A 15V 2 Pitch: 5.08 mm Color: green Contact surface: Tin Assembly IC REG BUCK ADJ 3A TO220-5 8-bit AVR Microcontroller, 4.5- 5.5V, 16KB Flash, 512 Bytes EEPROM, 1KB SRAM, 44-pin TQFP, Industrial Grade (-40°C to	Res1 Resistor SMD Resistor SMD Relay Header 4 EVQ-PAE09K ALARM LM2576
1	Gestal Resistor SMD Resistor SMD Resistor SMD RELAY General Header 4 CMP-05618- 000085-1 CON_Phoenix_MST B_02 CMP-0069-01993-4	AXIAL-0.3 1206 Resistor 1812 Resistor Relay 15.40x12.10x13.10 HDR1X4 FP-EVQ-PAE09K-MFG MSTB 2,5/2-G-5,08 FP-KC0005A-MFG	R1, R4, R5, R8, R9, R10 R6, R7 R11, R12 RELAY1 REMOTE1 reset1	Epitaxial Planar Transistor Resistor Relay_SPDT POWER NEEDLE Header, 4-Pin SWITCH TACTILE SPST-NO 0.02A 15V 2 Pitch: 5.08 mm Color: green Contact surface: Tin Assembly IC REG BUCK ADJ 3A TO220-5 8-bit AVR Microcontroller, 4.5- 5.5V, 16KB Flash, 512 Bytes EEPROM, 1KB SRAM, 44-pin TQFP, Industrial	Res1 Resistor SMD Resistor SMD Relay Header 4 EVQ-PAE09K ALARM LM2576