



Ceramic Chip Capacitor C3	Comment	Description	Designator	Footprint	LibRef	Quantity
Ceramic Chip Capacitor -		Ceramic Chip Capacitor -				
Standard	C0603		C1, C2	0603	C0603	2
Ceramic Chip Capacitor						
100nF Standard C4, C6 0402 C0402 2	0.1uF		C3	0402	C0402	1
Tourish	100 5	1 ' '	C4 CC	0.402	60402	2
22uF C7		Standard				2
EED_0603						1
Phototransistor D2	22uF		C7	Tant0805	Tant0805	1
Diode SDM02U30LP3 SDM02U30LP3 D3 Diode SDM02U30LP3-7B Diode SDM02U30LP3 1 Inductor Inductor L1 INDC3216 Inductor 1 Inductor Inductor L2, L3, L4 0603 Inductor 3 Header 2 Header, 2-Pin P1 HDR1X2 Header 2 1 AWR SPI Header, 3-Pin, Dual row P3 HDR2X1_Zmm DIOR 2X1_Zmm 1 AWR SPI Header, 3-Pin, Dual row P3 HDR2X3 Header 3X2 1 AWR SPI Header, 3-Pin, Doul row P3 HDR2X3 Header 3X2 1 AWR SPI Header, 3-Pin, Doul row P3 HDR2X3 Header 3X2 1 AWR SPI Header, 3-Pin, Doul row P3 HDR2X3 Header 3X2 1 AWR SPI Header, 3-Pin, Doul row P3 HDR2X3 Header 3X2 1 AWR SPI Header, 3-Pin, Doul row P3 HDR2X3 Header 3X2 1 AWR SPI Header, 3-Pin, Doul row P3 HDR2X3 Header 3X2 1 AWR SPI Header, 3-Pin, Doul row P3 HDR2X3 Header 3X2 1 AWR SPI Header, 3-Pin, Doul row P3 HDR2X3 Header 3X2 1 AWR SPI Header, 3-Pin, Doul row P3 HDR2X3 Header 3X2 1 AWR SPI Header, 3-Pin, Doul row P3 HDR2X3 Header 3X2 1 AWR SPI Header, 3-Pin, Doul row P3 HDR2X3 Header 3X2 1 AWR SPI Header, 3-Pin, Doul row P3 HDR2X3 Header 3X2 1 AWR SPI Header, 3-Pin, Doul row P3 HDR2X3 HEADER 3X2 1 AWR SPI Header, 3-Pin, Doul row P3 HDR2X3 HEADER 3X2 1 AWR SPI Header, 3-Pin, Doul row P3 HDR2X3 HEADER 3X2 1 AWR SPI HEADER 3X2 TAME 3X2	LED_0603		D1	Diode0603	LED_0603	1
Inductor	638-PT1921BL41TR8	Phototransistor	D2	Phototransistor	Phototransistor	1
Inductor Inductor L2, L3, L4 0603 Inductor 3 Header 2 Header, 2-Pin P1 HDR1X2 Header 2 1 HDR_2x1_2mm P2 HDR_2x1_2mm HDR_2x1_2mm 1 AVR SPI Header, 3-Pin, Dual row P3 HDR2X3 Header 3X2 1 N-Channel TrenchMOS Standard Level FET, 30 V, 1.78 A, 3-Pin SOT883, Tape and Reel Q1, Q2 NXP-SOT883_N PMZ390UN,315 2 Precision Thick Film Chip Resistor, 10 Ohm to 1M Ohm Range, 1% and 0.5% Tolerance, 0603 Size, 0.063 W R1 3-0603 ERJ3RK 1 Precision Thick Film Chip Resistor, 10 Ohm to 1M Ohm Range, 1% and 0.5% Tolerance, 0603 Size, 0.063 W R2 3-0603 ERJ3RK 1 Precision Thick Film Chip Resistor, 10 Ohm to 1M Ohm Range, 1% and 0.5% Tolerance, 0603 Size, 0.063 W R2 3-0603 ERJ3RK 1 Precision Thick Film Chip Resistor, 10 Ohm to 1M Ohm Range, 1% and 0.5% Tolerance, 0603 Size, 0.063 W R2 3-0603 ERJ3RK 1 Precision Thick Film Chip Resistor, 10 Ohm to 1 M Ohm Range, 1% and 0.5% Tolerance, 0603 Size, 0.063 W R3 3-0603 ERJ3RK 1 Precision Thick Film Chip Resistor, 10 Ohm to 1 M Ohm Range, 1% and 0.5% Tolerance, 0603 Size, 0.063 W R3 3-0603 ERJ3RK 1 AFBIT AVR Microcontroller with 8K Bytes of In-System Programmable Flash ATmega8-16AC Memory U1 32M1-A_M ATmega8-16AC 1 TPS62740 U2 TPS6274x TPS6274x 1	Diode SDM02U30LP3	SDM02U30LP3	D3	Diode SDM02U30LP3-7B	Diode SDM02U30LP3	1
Header 2	Inductor	Inductor	L1	INDC3216	Inductor	1
HDR_2x1_zmm	Inductor	Inductor	L2, L3, L4	0603	Inductor	3
AVR SPI Header, 3-Pin, Dual row N-Channel TrenchMOS Standard Level FET, 30 V, 1.78 A, 3-Pin SOT883, V, 1.78 A, 1.7	Header 2	Header, 2-Pin	P1	HDR1X2	Header 2	1
N-Channel TrenchMOS Standard Level FET, 30 V, 1.78 A, 3-Pin SOT883,	HDR_2x1_2mm		P2	HDR_2x1_2mm	HDR_2x1_2mm	1
Standard Level FET, 30 V, 1.78 A, 3-Pin SOT883, Tape and Reel	AVR SPI	Header, 3-Pin, Dual row	P3	HDR2X3	Header 3X2	1
1.78 A, 3-Pin SOT883, Tape and Reel Q1, Q2 NXP-SOT883_N PMZ390UN,315 2		N-Channel TrenchMOS				
PMZ390UN,315 Tape and Reel Q1, Q2 NXP-SOT883_N PMZ390UN,315 2 Precision Thick Film Chip Resistor, 10 Ohm to 1M Ohm Range, 1% and 0.5% Tolerance, 0603 Size, R1 3-0603 ERJ3RK 1 10k 0.63 W R1 3-0603 ERJ3RK 1 Precision Thick Film Chip Resistor, 10 Ohm to 1M Ohm Range, 1% and 0.5% Tolerance, 0603 Size, R2 3-0603 ERJ3RK 1 Precision Thick Film Chip Resistor, 10 Ohm to 1M Ohm Range, 1% and 0.5% Tolerance, 0603 Size, R3 3-0603 ERJ3RK 1 330 0.063 W R3 3-0603 ERJ3RK 1 AT mega8-16AC Memory U1 32M1-A_M ATmega8-16AC 1 TPS62740 U2 TPS6274x TPS6274x TPS6274x 1						
Precision Thick Film Chip Resistor, 10 Ohm to 1M Ohm Range, 1% and 0.5% Tolerance, 0603 Size, 10k 0.063 W R1 3-0603 ERJ3RK 1						
Resistor, 10 Ohm to 1M Ohm Range, 1% and 0.5% Tolerance, 0603 Size, 0.063 W R1 3-0603 ERJ3RK 1	PMZ390UN,315	·	Q1, Q2	NXP-SOT883_N	PMZ390UN,315	2
Ohm Range, 1% and 0.5% Tolerance, 0603 Size, 10k 0.063 W R1 3-0603 ERJ3RK 1 Precision Thick Film Chip Resistor, 10 Ohm to 1M Ohm Range, 1% and 0.5% Tolerance, 0603 Size, Omit 0.063 W R2 3-0603 ERJ3RK 1 Precision Thick Film Chip Resistor, 10 Ohm to 1M Ohm Range, 1% and 0.5% Tolerance, 0603 Size, 0.063 W R3 3-0603 ERJ3RK 1 Precision Thick Film Chip Resistor, 10 Ohm to 1M Ohm Range, 1% and 0.5% Tolerance, 0603 Size, 0.063 W R3 3-0603 ERJ3RK 1 ATmega8-16AC Memory U1 32M1-A_M ATmega8-16AC 1 TPS62740 U2 TPS6274x TPS6274x		·				
Tolerance, 0603 Size, 0.063 W R1 3-0603 ERJ3RK 1 Precision Thick Film Chip Resistor, 10 Ohm to 1M Ohm Range, 1% and 0.5% Tolerance, 0603 Size, 0.063 W R2 3-0603 ERJ3RK 1 Precision Thick Film Chip Resistor, 10 Ohm to 1M Ohm Range, 1% and 0.5% Tolerance, 0603 Size, 0.063 W R2 3-0603 ERJ3RK 1 Precision Thick Film Chip Resistor, 10 Ohm to 1M Ohm Range, 1% and 0.5% Tolerance, 0603 Size, 0.063 W R3 3-0603 ERJ3RK 1 8-Bit AVR Microcontroller with 8K Bytes of In-System Programmable Flash ATmega8-16AC Memory U1 32M1-A_M ATmega8-16AC 1 TPS62740 U2 TPS6274x TPS6274x 1						
10k						
Precision Thick Film Chip Resistor, 10 Ohm to 1M Ohm Range, 1% and 0.5% Tolerance, 0603 Size, O.063 W R2 3-0603 ERJ3RK 1	10k	•	R1	3-0603	FRI3RK	1
Resistor, 10 Ohm to 1M Ohm Range, 1% and 0.5% Tolerance, 0603 Size, omit 0.063 W R2 3-0603 ERJ3RK 1 Precision Thick Film Chip Resistor, 10 Ohm to 1M Ohm Range, 1% and 0.5% Tolerance, 0603 Size, 060						
Ohm Range, 1% and 0.5% Tolerance, 0603 Size, Omit 0.063 W R2 3-0603 ERJ3RK 1 Precision Thick Film Chip Resistor, 10 Ohm to 1M Ohm Range, 1% and 0.5% Tolerance, 0603 Size, 330 0.063 W R3 3-0603 ERJ3RK 1 8-Bit AVR Microcontroller with 8K Bytes of In-System Programmable Flash ATmega8-16AC Memory U1 32M1-A_M ATmega8-16AC 1 TPS62740 U2 TPS6274x TPS6274x 1						
omit 0.063 W R2 3-0603 ERJ3RK 1 Precision Thick Film Chip Resistor, 10 Ohm to 1M Ohm Range, 1% and 0.5% Tolerance, 0603 Size, 330 0.063 W R3 3-0603 ERJ3RK 1 8-Bit AVR Microcontroller with 8K Bytes of In-System Programmable Flash ATmega8-16AC Memory U1 32M1-A_M ATmega8-16AC 1 TPS62740 U2 TPS6274x TPS6274x TPS6274x 1						
Precision Thick Film Chip Resistor, 10 Ohm to 1M Ohm Range, 1% and 0.5% Tolerance, 0603 Size, 330 0.063 W R3 3-0603 ERJ3RK 1 1 1 1 1 1 1 1 1						
Resistor, 10 Ohm to 1M Ohm Range, 1% and 0.5% Tolerance, 0603 Size, 330 0.063 W R3 3-0603 ERJ3RK 1	omit		R2	3-0603	ERJ3RK	1
Ohm Range, 1% and 0.5% Tolerance, 0603 Size, R3 3-0603 ERJ3RK 1 8-Bit AVR Microcontroller with 8K Bytes of In-System Programmable Flash ATmega8-16AC Memory U1 32M1-A_M ATmega8-16AC 1 TPS62740 U2 TPS6274x TPS6274x TPS6274x 1		· ·				
Tolerance, 0603 Size, 0.063 W R3 3-0603 ERJ3RK 1 8-Bit AVR Microcontroller with 8K Bytes of In-System Programmable Flash ATmega8-16AC Memory U1 32M1-A_M ATmega8-16AC 1 TPS62740 U2 TPS6274x TPS6274x 1						
330 0.063 W R3 3-0603 ERJ3RK 1 8-Bit AVR Microcontroller with 8K Bytes of In-System Programmable Flash ATmega8-16AC Memory U1 32M1-A_M ATmega8-16AC 1 TPS62740 U2 TPS6274x TPS6274x TPS6274x 1		_				
8-Bit AVR Microcontroller with 8K Bytes of In-System Programmable Flash Memory U1 32M1-A_M ATmega8-16AC 1 TPS62740 U2 TPS6274x TPS6274x 1	220		ln2	2 0602	רטוטטע	1
with 8K Bytes of In-System Programmable Flash ATmega8-16AC Memory U1 32M1-A_M ATmega8-16AC 1 TPS62740 U2 TPS6274x TPS6274x 1	550		K5	3-0003	EKJOKK	
Programmable Flash U1 32M1-A_M ATmega8-16AC 1 TPS62740 U2 TPS6274x TPS6274x TPS6274x 1						
ATmega8-16AC Memory U1 32M1-A_M ATmega8-16AC 1 TPS62740 U2 TPS6274x TPS6274x TPS6274x 1		1 -				
TPS62740 U2 TPS6274x TPS6274x 1	ATmega8-16AC	_	U1	32M1-A_M	ATmega8-16AC	1
						1
						1
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