

Fitted	Designator	Quantity	Value	Manufacturer	MPN	Description
Fitted	AES, ECC, SHA	3	Blue LED	Osram	LB L293-M2P1-36-1-10-R18-Z	LED SMARTLED 470NM BLUE 0603 SMD
Fitted	C1	1	2.2u	Kemet	C0603C225K8PAC7867	Ceramic capacitor, SMD 0603, X5R, 10V, ±10%
Fitted	C11, C12	2	10p			Ceramic capacitor, SMD 0402, NPO, 50V, +/-5%
Fitted	C2, C5, C6, C7, C8,	6	100n	Kemet	C0402C104K4RACTU	Ceramic capacitor, SMD 0402, X7R, 16V, +/-10%
Fitted	C3	1	1u	Murata	GRM188R60J105KA01	Ceramic capacitor, SMD 0603, X5R, 6.3V, ±10%
Fitted	C4	1	4.7u			Ceramic capacitor, SMD 0805, Y5V, 10V, -20/+80 %
Fitted	D1, D2	2	PGB1010603	Littelfuse	PGB1010603NR	ESD Suppressor
Fitted	DOC1	1	A09-2510 PCBA Files			AT88CK590 PCBA Documentation
Fitted	H1	1	FIDUCIAL 1.5mm			Fiducial point for PCB coordinates 1.5mm pad and 3mm hole in mask
Fitted	PCB1	1	AT88CK590 PCB			AT88CK590 PCB
Fitted	PWR	1	SML-LX0603SRW-TR	Lumex	SML-LX0603SRW-TR	LED, Red, SMD 0603
Fitted	R1, R2	2	22R	Samsung	RC100SF22R0CS	Thick film resistor, SMD 0402, 1/16W, 1% (de23607)
Fitted	R11	1	3.9k			Thick film resistor, SMD 0402, 1/16W, 1%
Fitted	R3	1	1.5k			Thick film resistor, SMD 0402, 1/16W, 1%
Fitted	R4, R5, R8, R13	4	470R			Thick film resistor, SMD 0402, 1/16W, 1%
Fitted	R6	1	4.7R			Thick film resistor, SMD 0603, 1/10W, 1%
Fitted	R7	1	3.9k			Thick film resistor, SMD 0402, 1/16W, 1%
Fitted	R9, R12	2	47k			Thick film resistor, SMD 0402, 1/16W, 1%
Fitted	U1	1	ATAES132A I2C UDFN			AES132A with an I2C Interface in a UDFN Package
Fitted	U2	1	ATSHA204A I2C UDFN			ATSHA204A with and I2C Interface in the UDFN8 Pin Package with Paddle
Fitted	U3	1	ATECC508A I2C UDFN			ATECC508A with an I2C Interface and a 8 Pin UDFN Package with Paddle
Fitted	U4	1	AT90USB1287-MU	ATMEL	AT90USB1287-MU	AVR 8-bit RISC MCU with USB, QFN64 package
Fitted	USB	1	USB type A plug	SAMTEC	USB-AM-S-F-B-SM1-R	USB type A plug, SMD
Fitted	Y1	1	16MHz	Golledge	GSX-323/111BF 16.0MHz	16MHz uXtal GSX-323, 2.0 x 2.5 mm SMD 10ppm
Not Fitted	H3	0	PIN HEADER 1x5 THM	SAMTEC	TSW-105-26-L-S	1x5 pin header, 2.54 mm pitch, THM