Bill of materials

Table 1. AEK-MCU-SRLNK bill of materials

Item	Q.ty	Ref.	Part/value	Description	Manufacturer	Order code
1	18	C1, C3, C7, C8, C9, C10, C11, C12, C13, C14, C15, C17, C19, C21, C22, C23, C24, C25	100nF	0603 - 50V - X7R Class II	WE	885012206095
2	2	C2, C4	10uF	0603 - 25V - X5R Class II	WE	885012106031
3	2	C5, C6	18pF	0603 - 50V - C0G	TDK	C1608C0G1H180J080AA
4	3	C16, C18, C20	4.7uF	0603 - 10V - X5R Class II	WE	885012106012
5	1	CN1	Con JTAG	2.54mm - Contact Centers, Female Headers, Straight - SFH11 Series	Sullins	SFH11-PBPC-D10-ST-BK
6	6	D1, D2, D3, D4, D5, D6	Green	0805 - Led Green - 3.2V	WE	150080GS75000
7	2	F1, F2		Fiducial (Top, Bottom)	N.A.	N.A.
8	4	L1, L2, L3, L4	60@100Mhz	WE-CBF SMT EMI Suppression Ferrite Bead. 60 Ohm, 500mA	WE	74279267
9	1	P1	USB 2.0 Type B Micro Receptacle	WR-COM Micro USB 2.0 SMT Type B Horizontal 5 Contacts High Current	WE	629105150521
10	1	P2	61300311021	2.54mm - WR-PHD Angled Pin Header, THT, pitch 2.54mm, Single Row, Vertical, 3p	WE	61300311021
11	5	R1, R19, R23, R24, R25	N.M.	0603	N.A.	N.A.
12	2	R2, R3	10	0603 - ±1% - 0.25W	Panasonic	ERJPA3F10R0V
13	1	R4	1K	0603 - ±1% - 0.25W	Panasonic	ERJPA3F1001V
14	1	R5	12K	0603 - ±1% - 0.1W	Panasonic	ERJ-3EKF1202V
15	6	R6, R7, R8, R16, R17, R20	1.5K	0603 - ±1% - 0.25W	Panasonic	ERJ-PA3F1501V
16	5	R9, R10, R18, R21, R22	4.7K	0603 - ±1% - 0.25W	Panasonic	ERJPA3F4701V
17	1	R11	10K	0603 - ±1% - 0.2W	Panasonic	ERJP03F1002V
18	1	R12	0	0603 - ±1% - 0.1W	Panasonic	ERJ3GEY0R00V
19	1	R13	2.2K	0603 - ±1% - 0.1W	Panasonic	ERJ-3EKF2201V
20	9	TVS1, TVS2, TVS3, TVS4, TVS5, TVS6, TVS7, TVS8, TVS9	ESDAVLC8-1BT2Y, SOD882TB	Automotive single-line low capacitance Transil™, transient surge voltage suppressor (TVS) for ESD protection	ST	ESDAVLC8-1BT2Y
21	1	U1	FT2232HL	USB Hi-Speed to Dual Channel Serial UART/FIFO/JTAG/SPI/I2C	FTDI Chip	FT2232HL
22	1	U2	USBLC6-2P6, SOT-666	Automotive ESD protection for high speed interfaces in SOT-666	ST	USBLC6-2P6

Item	Q.ty	Ref.	Part/value	Description	Manufacturer	Order code
23	1	U3	LD1117S33TR, SOT-223	The LD1117330TR is a low drop voltage regulator able to provide up to 800 mA of output current. Vout is 3.3V.	ST	LD1117S33TR
24	1	U4	M93S46-WMN6TP, SO-8	1Kbit (64x16) Serial Microwire Bus EEPROM With Block Protection	ST	M93S46-WMN6TP
25	3	U5, U6, U7	SN74LVC2T45	SN74LVC2T45 Dual-Bit Dual-Supply Bus Transceiver With Configurable Voltage Translation	Texas Instruments	SN74LVC2T45DCTR
26	2	U8, U9	SN74LVC1T45	Single-Bit Dual-Supply Bus Transceiver With Configurable Voltage Translation and 3-State Outputs	Texas Instruments	SN74LVC1T45DCKT
27	1	X1	12Mhz	WE-XTAL Quartz Crystal, SMT, CFPX-180, 12MHz, +/-10ppm	WE	830108206909

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