



Bill of Materials

Source Data From:	DE-110817.PrjPcb
Project:	DE-110817.PrjPcb
Variant:	None

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Partnumber	Component	Library	Designator	Description	Quantity
0605	100nF	C0805	C100, C102, C104, C110, C111, C114, C116, C126, C127, C129, C131, C205, C206, C219, C220, C221, C212, C214, C215, C216, C226, C227, C228, C231, C232, C233, C234	Ceramic Chip Capacitor - Standard	2
0603	100nF	C0603	C001, C103, C105, C108, C109, C115, C117, C118, C119, C121, C123, C124, C125, C128, C132, C133, C200, C201, C202, C203, C206, C207, C218, C217, C218, C220, C221, C222, C223, C224, C227, C229, C231, C232, C233, C234	Ceramic Chip Capacitor - Standards	46
0603	22pF	C0603	C106, C107	Ceramic Chip Capacitor - Standards	2
0603	1uF	C0603	C130	Aluminum Electrolytic Capacitor, R	1
CAPPS-10x16	100uF	EKA0004D10	C133	Aluminum Electrolytic Capacitor, R, Style with Long Leads: 1000uF, 16V	1
0603	5M	1N4001	D100, D101	Schottky Rectifier	2
STM723A, STM723A, STM723A	SM1T2	884022	D102	I/V5 Dose We-IT5-Standard, VR=50mV	1
0605	330-2-47V	MM3233V1T	D206, D200, D201, D202, D203, D206, D208, D209, D210, D211, D212, D214, D215, D216, D217	ESD-Zener Diode, 30V, 300 mW, 1000V, 33pF, Reg. Tape and Reel	16
SOD323	1N4148	D89201	D304, D208	General-purpose diode	2
SMD-0603	100k	74279321	D305, D306, L201	500k Ohm 1/10W Suppression Ferrite Bead, CBF = 120 Ohm	2
HDRI32	CONFIG	Header 2	D101	Header, 2-Pin	1
HDRI05	HC12, RAD10	Header 2	D102	Header, 4-Pin	1
HDRI27	RF905	Header 7X2	D103	Header, 7-Pin, Dual row	1
HDRI28	NRF24L01	Header 4X2	D104	Header, 4-Pin, Dual row	1
TERMINAL BLOCK 3	TERMINAL	P105	D105	Header, 5-Pin	1
TERMINAL BLOCK 2	TERMINAL	TERMINAL	P106	3 pin/1 terminal block connector	1
TERMINAL BLOCK 2	TERMINAL	TERMINAL	P107	2 pins/1 terminal block	1
HDRI23	SPI_EXPAND	Header 3X2	D107	Header, 3-Pin, Dual row	1
HDRI18	ANALOG_IN	Header 8	P200	Header, 8-Pin	1
HDRI24	ANIN_VREF	Header 4X2	P201	Header, 4-Pin, Dual row	1
HDRI24	ANIN_VREF	Header 4X2	P203	Header, 4-Pin, Dual row	1
HDRI19	LED	Header 9	P204	Header, 9-Pin	1
HDRI28	DIGITAL_IN	Header 8X2	P205	Header, 8-Pin, Dual row	1
HDRI24	IND_VDD	Header 4X2	P206	Header, 4-Pin, Dual row	1
HDRI24	IND_VSS	Header 4X2	P208	Header, 4-Pin, Dual row	1
318-08	MMBT2222	MMBT2222A	Q200	General Purpose Transistor NPN Silicon	1
STM723A, BCP56	BCP56	BCP56	Q201	NPN Medium Power Transistor	1
ERA-0603	NF	ERAY	R100	Metal Film Thermosensitive Chip Resistor, 0.6 Ohm to 10k Ohm Range, 5% Tolerance, 0603 Size, 0.063 W	1
ERA-0603	100k	ERAY	R101	Rectangular Thick Film Chip Resistor, 0.5 Ohm to 10k Ohm Range, 5% Tolerance, 0603 Size, 0.063 W	1
ERA-0603	10k	ERAY, ERA100, R100, R200, R201, R202, R203, R204, R205, R206, R207, R208, R209, R210, R211, R212, R213, R214, R215, R216, R217, R218, R219, R220, R221, R222, R223, R224, R225, R226, R227, R228, R229, R230, R231, R232, R233, R234, R235, R236, R237, R238, R239, R240, R241, R242, R243, R244, R245, R246	Metal Film Thermosensitive Chip Resistor, 0.5 Ohm to 10k Ohm Range, 5% Tolerance, 0603 Size, 0.063 W	36	
ERA-0603	100R	ERAY, ERA100, R100, R200, R201, R202, R203, R204, R205, R206, R207, R208, R209, R210, R211, R212, R213, R214, R215, R216, R217, R218, R219, R220, R221, R222, R223, R224, R225, R226, R227, R228, R229, R230, R231, R232, R233, R234, R235, R236, R237, R238, R239, R240, R241, R242, R243, R244, R245, R246	Metal Film Thermosensitive Chip Resistor, 0.5 Ohm to 10k Ohm Range, 5% Tolerance, 0603 Size, 0.063 W	36	
ERA-0603	100R	ERAY, ERA100, R100, R200, R201, R202, R203, R204, R205, R206, R207, R208, R209, R210, R211, R212, R213, R214, R215, R216, R217, R218, R219, R220, R221, R222, R223, R224, R225, R226, R227, R228, R229, R230, R231, R232, R233, R234, R235, R236, R237, R238, R239, R240, R241, R242, R243, R244, R245, R246	Metal Film Thermosensitive Chip Resistor, 0.5 Ohm to 10k Ohm Range, 5% Tolerance, 0603 Size, 0.063 W	36	
ERA-0603	100R	ERAY, ERA100, R100, R200, R201, R202, R203, R204, R205, R206, R207, R208, R209, R210, R211, R212, R213, R214, R215, R216, R217, R218, R219, R220, R221, R222, R223, R224, R225, R226, R227, R228, R229, R230, R231, R232, R233, R234, R235, R236, R237, R238, R239, R240, R241, R242, R243, R244, R245, R246	Metal Film Thermosensitive Chip Resistor, 0.5 Ohm to 10k Ohm Range, 5% Tolerance, 0603 Size, 0.063 W	36	
ERA-0603	100R	ERAY, ERA100, R100, R200, R201, R202, R203, R204, R205, R206, R207, R208, R209, R210, R211, R212, R213, R214, R215, R216, R217, R218, R219, R220, R221, R222, R223, R224, R225, R226, R227, R228, R229, R230, R231, R232, R233, R234, R235, R236, R237, R238, R239, R240, R241, R242, R243, R244, R245, R246	Metal Film Thermosensitive Chip Resistor, 0.5 Ohm to 10k Ohm Range, 5% Tolerance, 0603 Size, 0.063 W	36	
ERA-0603	100R	ERAY, ERA100, R100, R200, R201, R202, R203, R204, R205, R206, R207, R208, R209, R210, R211, R212, R213, R214, R215, R216, R217, R218, R219, R220, R221, R222, R223, R224, R225, R226, R227, R228, R229, R230, R231, R232, R233, R234, R235, R236, R237, R238, R239, R240, R241, R242, R243, R244, R245, R246	Metal Film Thermosensitive Chip Resistor, 0.5 Ohm to 10k Ohm Range, 5% Tolerance, 0603 Size, 0.063 W	36	
ERA-0603	100R	ERAY, ERA100, R100, R200, R201, R202, R203, R204, R205, R206, R207, R208, R209, R210, R211, R212, R213, R214, R215, R216, R217, R218, R219, R220, R221, R222, R223, R224, R225, R226, R227, R228, R229, R230, R231, R232, R233, R234, R235, R236, R237, R238, R239, R240, R241, R242, R243, R244, R245, R246	Metal Film Thermosensitive Chip Resistor, 0.5 Ohm to 10k Ohm Range, 5% Tolerance, 0603 Size, 0.063 W	36	
ERA-0603	100R	ERAY, ERA100, R100, R200, R201, R202, R203, R204, R205, R206, R207, R208, R209, R210, R211, R212, R213, R214, R215, R216, R217, R218, R219, R220, R221, R222, R223, R224, R225, R226, R227, R228, R229, R230, R231, R232, R233, R234, R235, R236, R237, R238, R239, R240, R241, R242, R243, R244, R245, R246	Metal Film Thermosensitive Chip Resistor, 0.5 Ohm to 10k Ohm Range, 5% Tolerance, 0603 Size, 0.063 W	36	
ERA-0603	100R	ERAY, ERA100, R100, R200, R201, R202, R203, R204, R205, R206, R207, R208, R209, R210, R211, R212, R213, R214, R215, R216, R217, R218, R219, R220, R221, R222, R223, R224, R225, R226, R227, R228, R229, R230, R231, R232, R233, R234, R235, R236, R237, R238, R239, R240, R241, R242, R243, R244, R245, R246	Metal Film Thermosensitive Chip Resistor, 0.5 Ohm to 10k Ohm Range, 5% Tolerance, 0603 Size, 0.063 W	36	
ERA-0603	100R	ERAY, ERA100, R100, R200, R201, R202, R203, R204, R205, R206, R207, R208, R209, R210, R211, R212, R213, R214, R215, R216, R217, R218, R219, R220, R221, R222, R223, R224, R225, R226, R227, R228, R229, R230, R231, R232, R233, R234, R235, R236, R237, R238, R239, R240, R241, R242, R243, R244, R245, R246	Metal Film Thermosensitive Chip Resistor, 0.5 Ohm to 10k Ohm Range, 5% Tolerance, 0603 Size, 0.063 W	36	
ERA-0603	100R	ERAY, ERA100, R100, R200, R201, R202, R203, R204, R205, R206, R207, R208, R209, R210, R211, R212, R213, R214, R215, R216, R217, R218, R219, R220, R221, R222, R223, R224, R225, R226, R227, R228, R229, R230, R231, R232, R233, R234, R235, R236, R237, R238, R239, R240, R241, R242, R243, R244, R245, R246	Metal Film Thermosensitive Chip Resistor, 0.5 Ohm to 10k Ohm Range, 5% Tolerance, 0603 Size, 0.063 W	36	
ERA-0603	100R	ERAY, ERA100, R100, R200, R201, R202, R203, R204, R205, R206, R207, R208, R209, R210, R211, R212, R213, R214, R215, R216, R217, R218, R219, R220, R221, R222, R223, R224, R225, R226, R227, R228, R229, R230, R231, R232, R233, R234, R235, R236, R237, R238, R239, R240, R241, R242, R243, R244, R245, R246	Metal Film Thermosensitive Chip Resistor, 0.5 Ohm to 10k Ohm Range, 5% Tolerance, 0603 Size, 0.063 W	36	
ERA-0603	100R	ERAY, ERA100, R100, R200, R201, R202, R203, R204, R205, R206, R207, R208, R209, R210, R211, R212, R213, R214, R215, R216, R217, R218, R219, R220, R221, R222, R223, R224, R225, R226, R227, R228, R229, R230, R231, R232, R233, R234, R235, R236, R237, R238, R239, R240, R241, R242, R243, R244, R245, R246	Metal Film Thermosensitive Chip Resistor, 0.5 Ohm to 10k Ohm Range, 5% Tolerance, 0603 Size, 0.063 W	36	
ERA-0603	100R	ERAY, ERA100, R100, R200, R201, R202, R203, R204, R205, R206, R207, R208, R209, R210, R211, R212, R213, R214, R215, R216, R217, R218, R219, R220, R221, R222, R223, R224, R225, R226, R227, R228, R229, R230, R231, R232, R233, R234, R235, R236, R237, R238, R239, R240, R241, R242, R243, R244, R245, R246	Metal Film Thermosensitive Chip Resistor, 0.5 Ohm to 10k Ohm Range, 5% Tolerance, 0603 Size, 0.063 W	36	
ERA-0603	100R	ERAY, ERA100, R100, R200, R201, R202, R203, R204, R205, R206, R207, R208, R209, R210, R211, R212, R213, R214, R215, R216, R217, R218, R219, R220, R221, R222, R223, R224, R225, R226, R227, R228, R229, R230, R231, R232, R233, R234, R235, R236, R237, R238, R239, R240, R241, R242, R243, R244, R245, R246	Metal Film Thermosensitive Chip Resistor, 0.5 Ohm to 10k Ohm Range, 5% Tolerance, 0603 Size, 0.063 W	36	
ERA-0603	100R	ERAY, ERA100, R100, R200, R201, R202, R203, R204, R205, R206, R207, R208, R209, R210, R211, R212, R213, R214, R215, R216, R217, R218, R219, R220, R221, R222, R223, R224, R225, R226, R227, R228, R229, R230, R231, R232, R233, R234, R235, R236, R237, R238, R239, R240, R241, R242, R243, R244, R245, R246	Metal Film Thermosensitive Chip Resistor, 0.5 Ohm to 10k Ohm Range, 5% Tolerance, 0603 Size, 0.063 W	36	
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ERA-0603	100R	ERAY, ERA100, R100, R200, R201, R202, R203, R204, R205, R206, R207, R208, R209, R210, R211, R212, R213, R214, R215, R216, R217, R218, R219, R220, R221, R222, R223, R224, R225, R226, R227, R228, R229, R230, R231, R232, R233, R234, R235, R236, R237, R238, R239, R240, R241, R242, R243, R244, R245, R246	Metal Film Thermosensitive Chip Resistor, 0.5 Ohm to 10k Ohm Range, 5% Tolerance, 0603 Size, 0.063 W	36	
ERA-0603	100R	ERAY, ERA100, R100, R200, R201, R202, R203, R204, R205, R206, R207, R208, R209, R210, R211, R212, R213, R214, R215, R216, R217, R218, R219, R220, R221, R222, R223, R224, R225, R226, R227, R228, R229, R230, R231, R232, R233, R234, R235, R236, R237, R238, R239, R240, R241, R242, R243, R244, R245, R246	Metal Film Thermosensitive Chip Resistor, 0.5 Ohm to 10k Ohm Range, 5% Tolerance, 0603 Size, 0.063 W	36	
ERA-0603	100R	ERAY, ERA100, R100, R200, R201, R202, R203, R204, R205, R206, R207, R208, R209, R210, R211, R212, R213, R214, R215, R216, R217, R218, R219, R220, R221, R222, R223, R224, R225, R226, R227, R228, R229, R230, R231, R232, R233, R234, R235, R236, R237, R238, R239, R240, R241, R242, R243, R244, R245, R246	Metal Film Thermosensitive Chip Resistor, 0.5 Ohm to 10k Ohm Range, 5% Tolerance, 0603 Size, 0.063 W	36	
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ERA-0603	100R	ERAY, ERA100, R100, R200, R201, R202, R203, R204, R205, R206, R207, R208, R209, R210, R211, R212, R213, R214, R215, R216, R217, R218, R219, R220, R221, R222, R223, R224, R225, R226, R227, R228, R229, R230, R231, R232, R233, R234, R235, R236, R237, R238, R239, R240, R241, R242, R243, R244, R245, R246	Metal Film Thermosensitive Chip Resistor, 0.5 Ohm to 10k Ohm Range, 5% Tolerance, 0603 Size, 0.063 W	36	
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ERA-0603	100R	ERAY, ERA100, R100, R200, R201, R202, R203, R204, R205, R206, R207, R208, R209, R210, R211, R212, R213, R214, R215, R216, R217, R218, R219, R220, R221, R222, R223, R224, R225, R226, R227, R228, R229, R230, R231, R232, R233, R234, R235, R236, R237, R238, R239, R240, R241, R242, R243, R244, R245, R246	Metal Film Thermosensitive Chip Resistor, 0.5 Ohm to 10k Ohm Range, 5% Tolerance, 0603 Size, 0.063 W	36	
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