ROHM SEMICONDUCTOR

LogiCoA001-EVK-001 Parts List

Quantity	Reference Designator	Part Number	Manufacturer	Value	Description [Unit: inch(mm)]
IC					
1	IC1	BD2320EFJ-LAE2	ROHM	-	Gate Driver,14.5V,2024(4960)
1	IC2	BD950N1WG-CTR	ROHM	-	LDO, 42V, 5V/150mA,1112(2829)
1	IC3	ML62Q2035-NNNTDZWATZ	LAPIS Technology	-	MCU, 5.5V, 32kbyte,2526(6465)
1	IC4	BD900N1WG-CTR	ROHM	-	LDO, 42V, 150mA,1112(2829)
1	U1	BU7481SG-TR	ROHM	-	1ch-OPAMP,5.5V,1112(2829)
Resistor					
1	R1	-	-	4.7Ω	0.1W,±1%,0603(1608)
3	R2,R22,R42	-	-	0Ω	1A,0.1W,0603(1608)
4	R3,R4,R12,R14	-	-	10kΩ	0.1W,±1%,0603(1608)
1	R5	LTR100LJZPFSR020	ROHM	20mΩ	4W,±1%,1225(3264)
1	R6	-	-	220kΩ	0.1W,±1%,0603(1608)
1	R7	-	-	27kΩ	0.1W,±1%,0603(1608)
6	R8,R13,R15,R19,R31,R33	-	-	2.2kΩ	0.1W,±1%,0603(1608)
1	R9	-	-	330Ω	0.1W,±1%,0603(1608)
1	R10	-	-	820Ω	0.1W,±1%,0603(1608)
1	R11	-	-	150Ω	0.1W,±1%,0603(1608)
4	R16,R17,R32,R44	-	-	4.7kΩ	0.1W,±1%,0603(1608)
3	R18,R35,R36	-	-	100Ω	0.1W,±1%,0603(1608)
1	R20	-	-	470Ω	0.1W,±1%,0603(1608)
2	R21,R24	-	-	1kΩ	0.1W,±1%,0603(1608)
0	R23	No mount	-	-	-
1	R25	-	-	8.2kΩ	0.1W,±1%,0603(1608)
4	R26,R27,R38,R40	-	-	10Ω	0.1W,±1%,0603(1608)
1	R28	-	-	43Ω	0.1W,±1%,0603(1608)
1	R29	-	-	51Ω	0.1W,±1%,0603(1608)
1	R30	-	-	3.3kΩ	0.1W,±1%,0603(1608)
0	R39,R41	No mount	-	-	-
1	R43	-	-	82kΩ	0.1W,±0.5%,0603(1608)
1	R44	-	-	4.7kΩ	0.1W,±0.5%,0603(1608)
1	VR1	CT-6EP103	Nidec Copal Electronics	10kΩ	70.7V,0.5W,±10%,2828(7070)
Capacitor					
4	C1,C2,C3,C4	C3225X7S2A475K200AE	TDK	4.7µF	100V,X7S,±10%,1210(3225)
4	C5,C19,C24,C25	CGA3E1X7R1E105K080AC	TDK	1µF	25V,X7R,±10%,0603(1608)
3	C6,C18,C31	CGA3E2X7R1H104K080AA	TDK	0.1µF	50V,X7R,±10%,0603(1608)
6	C7,C8,C9,C10,C11,C12	GRM32ER71E226ME15L	Murata	22µF	25V,X7R,±20%,1210(3225)
2	C13,C35	GRM21BR61H475ME51L	Murata	4.7µF	50V,X5R,±20%,0805(2012)
2	C14,C36	GRM188R6YA475ME15D	Murata	4.7µF	35V,X5R,±20%,0603(1608)
2	C15,C22	CC0603JRNPO9BN470	Yageo	47pF	50V,C0G,±5%,0603(1608)
0	C16	No mount	-	-	-
2	C17,C21	GRM188B11H103K	Murata	0.01µF	50V,B,±10%,0603(1608)
1	C20	CGA3E2C0G1H471J080AA	TDK	470pF	50V,C0G,±5%,0603(1608)
1	C23	CGA3E3X7R1H224K080AB	TDK	0.22µF	50V,X7R,±10%,0603(1608)
2	C26,C33	CGA3E2X7R1H102K080AA	TDK	1000pF	50V,X7R,±10%,0603(1608)
1	C27	CGA3E2C0G1H822J080AA	TDK	8200pF	50V,C0G,±5%,0603(1608)
1	C28	CGA3E2C0G1H561J080AA	TDK	560pF	50V,C0G,±5%,0603(1608)
2	C29,C30	CGA3E2C0G1H101J080AA	TDK	100pF	50V,C0G,±5%,0603(1608)
1	C32	CGA3E2X7R1H223M080AA	TDK	0.022µF	50V,X7R,±15%,0603(1608)
1	C34	C1608X5R1E475M080AC	TDK	4.7µF	25V,X5R,±20%,0603(1608)
1	CE1	UCDH101MCL6GS	Nichicon	100µF	50V,±20%,0.36Ωmax,Φ10
1	CE2	APXT100ARA391MF80G	Chemi-con	390µF	10V,±20%,22mΩmax,Φ6.3
Diode					
1	D1	RB510SM-40T2R	ROHM	-	40V,100mA,0603(1608)
1	D2	RB500SM-30T2R	ROHM	-	30V,100mA,0603(1608)
1	D3	1SS355VMTE-17	ROHM	-	80V,100mA,1005(2513)
2	ZD1,ZD2	EDZVT2R6.2B	ROHM	-	6.2V,5mA,150mW, 0603(1608)
Transistor					
1	TR1	2SA2029T2LR	ROHM	-	-50V,150mA,0505(1211)
2	FET1,FET2	RS6L090BGTB1	ROHM	-	60V,90A,4.7mΩmax,2024(4960)
Inductor					
1	L1	XAL1010-153MED	Coilcraft	15µH	60V,9.9A,18.6mΩmax,±20%,(10.0 x 11.3)
LED					
1	LED1	SML-D13U8WT86	ROHM	-	RED,2.1V,20mA,52mW,0603(1608)
1	LED2	SML-D12P8WT86	ROHM	-	GRN,2.2V,20mA,54mW,0603(1608)
Others					
1	J3	HIF3FC-14PA-2.54DSA(71)	Hirose Electric	-	200V,1A,IMD14-2.54-H9.3-
2	JP_LDO,JP_12V	61300211121	Wurth Elektronik	-	250V,3A,2.54,5.08*2.54
2	JP_Loop,JP_REG	61300311121	Wurth Elektronik	-	250V,3A,2.54,7.62*2.54
1	SW_RC	ATE1E-2M3-10-Z	Nidec Copal Electronics	-	ON-OFF-ON,2.54-ATE1,60V,50mA,0.4VA
2	J1,J2	XW4E-02C1-V1	Omron	-	250V,13.5A,5.08-XW4E,250V,13.5A
1	FT234x	AE-FT234X	AKIZUKI DENSHI TUSHO	-	5V, 2.54, FT234XD

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