

Description	Reference Designator on Carrier Board [see carrier board figure on last page]	Manufacturer Part Number
Basler BCON Carrier Board [MicroZed] v2.0 Components Circuit Diagram: CC00077802		
Resistor, 0R,0805, 0.125W,100V	R26,R35,R38,R58,R60	YAGEO RC0805JR-070RL
Resistor, 22R,0402,1%, 0.063W,50V	R1,R2,R3,R4,R7,R43,R46,R47,R48,R59,R63,R64,R65	YAGEO RC0402FR-0722RL
Resistor, 180R,0402,1%,0.063W,50V	R17,R19,R24,R62,R66	YAGEO RC0402FR-07180RL
Resistor, 270R,0402,1%,0.063W,50V	R54,R67	YAGEO RC0402FR-07270RL
Resistor, 1k,0402,1%,0.063W,50V	R5,R6	YAGEO RC0402FR-071KL
Resistor, 1.5k,0603,1%	R18,R52,R55	YAGEO RC0603FR-071K5L
Resistor, 1.5k,0402,1%,0.063W,50V	R20	YAGEO RC0402FR-071K5L
Resistor, 10k,0402,1%,0.063W,50V	R8,R9,R10,R11,R12,R13,R14,R21,R27,R32,R45,R50,R53	YAGEO RC0402FR-0710KL
Resistor, 18k,0402,1%,0.063W,50V	R57	YAGEO RC0402FR-0718KL
Resistor, 39k,0402,1%,0.063W,50V	R30,R33	YAGEO RC0402FR-0739KL
Resistor, 47k,0402,1%,0.063W,50V	R25,R28,R29,R31,R41	YAGEO RC0402FR-0747KL
Resistor, 68k,0402,1%,0.063W,50V	R39,R61	YAGEO RC0402FR-0768KL
Resistor, 82k,0402,1%,0.063W,50V	R56	YAGEO RC0402FR-0782KL
Resistor, 680k,0402,1%, 0.063W, 50V	R23,R34	YAGEO RC0402FR-07680KL
Capacitor, 47pF,0402,10%,50V,C0G	C16,C28	SAMSUNG CL05C470JB5NNNC
Capacitor,1nF,0402,10%, 50V, X7R	C5,C7	YAGEO 2238 587 15623
Capacitor,100nF,0402,+/-10%, 16V, X7R	C10,C11,C12,C17,C20,C24	MURATA GRM155R71C104KA88D
Capacitor,100nF,0603,10%,50V,X7R	C1,C4	TDK C1608X7R1H104K
Capacitor,1µF,0402,10%,10V,X5R	C13,C21,C26	MURATA GRM155R61A105KE15D
Capacitor,1µF,0603,10%,25V,X5R	C2,C3,C8,C14,C18,C19	MURATA GRM188R61E105KA12D
Capacitor,10µF,0805,+/-20%, 6.3V, X5R	C9,C15,C22,C23,C25,C27	TDK C2012X5R0J106M
Capacitor,10µF,1206,10%,25V,X5R	C6	TAIYO YUDEN TMK316BJ106KL-T
Ferrit bead, BLM21PG221SN1, 2A, 0805	L1,L2,L3,L5,L6	MURATA: BLM21PG221SN1D
Inductor,VLS201612ET,1.5µH,1.30A	L4,L7	TDK: VLS201612ET-1R5N
LED, green 0603	D2,D3,D4,D5,D6,D7,D8	LUMEX SML-LX0603GW-TR
MOSFET, FDN337N	Q1,Q2	FAIRCHILD FDN337N
IC, NCP6334C, Buck,Sync,Adj,2.0A,WDFN-8	U3,U7	ONSEMI NCP6334CMTAATBG
IC,SIP32402A, Load Switch,1.1V,2A,TDFN4	U5	VISHAY SIP32402ADNP-T1GE4
IC, NCP347MTAF, USB OVP, WDFN-10	U2,U4	ONSEMI: NCP347MTAFTBG

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Suppressor diode,TPD4EUSB30,Array,uDFN10	U1,U6,U8	TI: TPD4EUSB30DQAR
Connector,ZIF,28pol,90°,0.5mm,shield FFC	X2	HIROSE FH41-28S-0.5SH(05)
Board-to-Board,H,100pol,0.8Pitch,SMD,180	X7,X10	FCI 61083-101402LF
DC power jack,2.5/5.5mm,180°,SMD	X5	WÜRTH 694108106102
Fuse, 2AT, 1206, 63V	F1	BEL FUSE: C1S 2
4 position DIP switch, SMD	S1	DIPTRONICS NHDS-04
Do not place	R22,R36,R37,R40,R42,R44,R49,R51,D1,X1,X3,X4,X6,X9	--

