

Designator	Name	Description	LibRef	Footprint	Quantity	Manufacturer 1	Manufacturer Part Number 1	Supplier 1	Supplier Order Qty 1	Supplier Part Number 1	Supplier Currency 1	Supplier Stock 1
ASS2, ASS3	uFL 50mm	CAVO COAX uFI- uFI 415-0086-050 HIROSE CINCH CONNECTIVITY SOLUTIONS JOHNSON	0000_BASE SIMBOLO_OBJ		2	Emerson	415-0086-050	Digi-Key	2	J932-ND	USD	9302
J6	MDT420E01001	CONN. M.2 75P M/90° P=0.5 MDT420E01001 AMPHENOL SMT	AMPHENOL-75 - M-2 KEY E_13	J-75-0050-MOS- M2-E	1	Amphenol Commercial	MDT420E01001	Digi-Key	1	MDT420E01 001CT-ND	USD	3037
ANT1	W3010	ANTENNA CHIP 1.575GHZ D=3.2X10X2 W3010 PULSE SMT	ANT - W3010 - GPS- GLONASS	ANT-W3010	1	Pulse	W3010	Digi-Key	1	553-1670-1- ND	USD	3847
ANT2	W3796	ANTENNA CHIP LTE D=40X7X3 W3796 PULSE SMT	ANT - W3796 - LTE	ANT-W3796	1	Pulse	W3796	Digi-Key	1	553-3657-1- ND	USD	2026
U3	BQ24210DQCT	INTEGRATO BQ24210DQCT TEXAS WSON10 SMT	BAT-CHARGE - BQ24210DQCT	WSON10-EXP	1	Texas Instruments	BQ24210DQCT	Digi-Key	1	296-28738- 6-ND	USD	2123
C9, C14, C202, C203, C206, C207	0.1uF	CHIP CAP.CER. 100nF 16V 10% X7R 0402	CAP	CS-C-0402	6	Yageo	CC0402KRX7R7BB104	Digi-Key	10	311-1338-1- ND	USD	18905208
C200, C201	10uF	CHIP CAP.CER. 10uF 16V 10% X7R 0805	CAP	0805_C	2	TDK	C2012JB1C106K085AC	Digi-Key	2	445-11429- 1-ND	USD	25939
C204, C205, C208	22uF	CHIP CAP.CER. 22uF 16V 10% X7R 0805	CAP	0805_C	3	TDK	C2012JB1C226M085AC	Digi-Key	3	445-11440- 1-ND	USD	11919
S1	JS202011JCQN	SWITCH SLIDE DPDT 300MA 6V, SMD, J-lead	CK_JS202011JCQN	CK_JS202011JCQ N	1	ITT C&K	JS202011JCQN	Digi-Key	1	CKN10723C T-ND	USD	41558
SW1, SW2	PTS810 SJK 250 SMTR LFS	SWITCH TACTILE SPST-NO 0.05A 12V 4.2 mm x 3.2 mm	CK_PTS810 SJK 250 SMTR LFS	CK-PTS810-SJx	2	ITT C&K	PTS810SJK250SMTRLFS	Digi-Key	2	CKN10503C T-ND	USD	49383
U200	TPS63021DSJR	IC REG BCK BST 3.3V 3.5A 14VSON	CMP-04918-000102-1	FP-DSJ0014A-MFG	1	Texas Instruments	TPS63021DSJR	Digi-Key	1	296-27259- 1-ND	USD	12036
C16	0.5p/50V-C0G	CHIP CAP.CER. 0.5pF 50V ±0.25 C0G 0402 GRM1555C1HR50 CA01D MURATA	CS-C-0402-0.5p/50V-C0G	CS-C-0402	1	Kyocera AVX	06035A0R5CAT2A	Digi-Key	1	478-1150-1- ND	USD	6587
C4	1n/50V	CHIP CAP.CER. 1nF 50V 10% X7R 0402	CS-C-0402-1n/50V	CS-C-0402	1	Murata	GRM155R71H102KA01D	Digi-Key	1	490-1303-1- ND	USD	2938719
C5, C13	1u/16V-X5R	CHIP CAP.CER. 1uF 16V 10% X5R 0402	CS-C-0402-1u/16-X5R	CS-C-0402	2	Yageo	CC0402KRX5R7BB105	Digi-Key	2	311-1691-1- ND	USD	990056
C1	3.3p/50V-C0G	CHIP CAP.CER. 3.3pF 50V 5% C0G 0402	CS-C-0402-3.3p/50V-C0G	CS-C-0402	1	Kyocera AVX	04025A3R3JAT2A	Digi-Key	1	478- 04025A3R3J AT2ACT-ND	USD	9805

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C17, C18, C20	33p/50V-C0G	CHIP CAP.CER. 33pF 50V 5% C0G 0402	CS-C-0402-33p/50V-C0G	CS-C-0402	3	Kyocera AVX	04025A330JAT2A	Digi-Key	3	478-1076-1-ND	USD	865772
C10, C15, C19	0.1uF	CHIP CAP.CER. 100nF 16V 10% X7R 0402	CS-C-0402-100n/16V	CS-C-0402	3	Yageo	CC0402KRX7R7BB104	Digi-Key	10	311-1338-6-ND	USD	18905208
C11	10n/1kV	CHIP CAP.CER. 10nF 1000V 10% X7R 1206	CS-C-1206-10n/1kV	CS-C-1206	1	KEMET	C1206C103KDRACU	Digi-Key	1	399-5932-1-ND	USD	28781
C12	10u/25V-X5R	CHIP CAP.CER. 10uF 25V X5R 10% 1206	CS-C-1206-10u/25V-X5R	CS-C-1206	1	Taiyo Yuden	TMK316BJ106KL-T	Digi-Key	1	587-1337-1-ND	USD	1052613
OBJ1	9774025151R	DISTANZ. CIL. METALLO 5.1X2.5 9774025151R W.E SMT	DISTANZIALE - M2.5x0250	DIST- WASMSIM0250	1	Würth Electronics	9774025151R	Digi-Key	1	732-7078-1-ND	USD	7171
J11, J12	114020163	CONN. GROVE 4P M/D P=2 114020163 SEEDSTUDIO SMT	GROVE - J-4-0200-MDS- GROVE	J-4-0200-MDS- GROVE	2	Seeed Studio	114020163	Digi-Key	2	1597- 114020163- ND	USD	925
J10	BM04B-SRSS- TB(LF)(SN)	Wire-to-board, 1mm, SMT Vert, 4POS	JST_BM04B-SRSS-TB	JST_BM04B-SRSS- TB	1	JST	BM04B-SRSS-TB-(LF)(SN)	Digi-Key	1	455-1790-1- ND	USD	37177
ASS1	KNOB M2.5x4- INOX	VITE TCEI 2.5X4 ESAGONO INCASSATO A2 INOX	KNOB - M2.5x4-INOX		1							
L3	0603CS-4N3XJLW	INDUTTANZA 4.3nH 0.7A 5% 0603 0603CS- 4N3XJLW COILCRAFT SMT	L - 0603CS-4N3XJLW- 4.3n/0.7A	LS-0603CS	1	Coilcraft	0603CS-4N3XJLW	Mouser	1	994-0603CS- 4N3XJLW	USD	1966
L4	0603CS-6N8XJLU	INDUTTANZA 6.8nH 0.7A 5% 0603 0603CS- 6N8XJLU COILCRAFT SMT	L - 0603CS-6N8XJLU- 6.8n/0.7A	LS-0603CS	1	Coilcraft	0603CS-6N8XJLU	Mouser	1	994-0603CS- 6N8XJLU	USD	1953
L1	LQW15AN7N5H00 D	INDUTTANZA 7.5nH 0.57A 3% A FILO 0402 LQW15AN7N5H00 D MURATA SMT	L - LQW15AN7N5H00D - 7.5n/0.57A	LS-0402	1	Murata	LQW15AN7N5H00D	Digi-Key	1	490-6847-1- ND	USD	13516
U1	BGA725L6E6327FT SA1	INTEGRATO BGA725L6E6327FT SA1 INFINEON TSLP-6 SMT	LNA-RF - BGA725L6E6327FTSA1	XDFNF6	1	Infineon	BGA725L6E6327FTSA1	Digi-Key	1	BGA725L6E 6327FTSA1 CT-ND	USD	49247
J5	NanoSIM - SF72S006VBAR250 0	CONN. NANOSIM 8P F/90° PUSH- PUSH SF72S006VBAR250 0 JAE ELECTRONICS SMT	NANOSIM - J-NANOSIM- SF72S006VBA	J-NANOSIM- SF72S006VBA	1	JAE Electronics	SF72S006VBAR2500	Digi-Key	1	670-2799-1- ND	USD	20143
L200	PA4341.152NLT	1.5uH, 9A SMD, (7.6 x 6.9 mm, 3.0 mm high) 15 mOhm	PA4341.152NLT	PULSE PA4341.XXXNLT	1	Pulse	PA4341.152NLT	Digi-Key	1	553-3403-1- ND	USD	3649

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CS1	CS V13 4L 35um	C.S. NOTECARRIER-M2- AX V13 (75X65)mm 4L/SO/SR ENIG TG150 sp=1.6mm Cu=35um	PCB-CS		1							
J3, J4	B2B-PH-SM4-TBT(LF)(SN)	CONN. PH 2P M/D P=2 B2B-PH-SM4-TBT(LF)(SN) JST SMT	PH - J-2-0200-MDS-B2B-PH-SM4	J-2-0200-MDS-B2B-PH-SM4	2	JST	B2B-PH-SM4-TBT(LF)(SN)	Future Electronics	1000	1150440	USD	6000
R200	470K	CHIP RES. 470K 0402 1/16W 1%	R1_S	RS-0402	1	Vishay	CRCW0402470KFKED	Digi-Key	1	541-470KLC T-ND	USD	70306
R201	10M	CHIP RES. 10M 0402 1/16W 1%	R1_S	RS-0402	1	Vishay	CRCW040210M0FKEDC	Digi-Key	1	541-4068-6-ND	USD	11507
F1	3.5A/32V	FUSIBILE RAPIDO 3.5A 32V 0603 0603SFV350F/32-2 LITTELFUSE SMT	RAPIDO - 0603SFV350F-3.5A/32V	FS-0603	1	Littelfuse	0603SFV350F/32-2	Digi-Key	1	0603SFV350F/32-2CT-ND	USD	6265
F2	SF-0603F150-2	FUSIBILE RAPIDO 1.5A 32V 0603 SF-0603F150-2 BOURNS SMT	RAPIDO - SF-0603F150-2-1.5A/32V	FS-0603	1	Bourns	SF-0603F150-2	Digi-Key	1	SF-0603F150-2CT-ND	USD	8148
RR1, RR2	100R/5%	RETE RESISTIVA 8R sing. 100R 5% 1506 CONVEX CAY16-101J8LF BOURNS SMT	RR-8X-1506-100r/5%	RR-8X-1506	2	Bourns	CAY16-101J8LF	Digi-Key	2	CAY16-101J8LFCT-ND	USD	33870
R8, R10	10k	CHIP RES. 10K 0402 1/16W 1%	RS-0402-10k	RS-0402	2	Yageo	RC0402FR-0710KL	Digi-Key	10	311-10.0KLRCT-ND	USD	41807394
R14	15k	CHIP RES. 15K 0402 1/16W 1%	RS-0402-15k	RS-0402	1	Yageo	RC0402FR-0715KL	Digi-Key	1	311-15.0KLRCT-ND	USD	4981479
R3	100k	CHIP RES. 100K 0402 1/16W 1%	RS-0402-100k	RS-0402	1	Yageo	RC0402FR-07100KL	Digi-Key	1	311-100KLRCT-ND	USD	6982285
R2	200k	CHIP RES. 200K 0402 1/16W 1%	RS-0402-200k	RS-0402	1	TE Connectivity	CPF0402B200KE1	Digi-Key	1	A103795CT-ND	USD	121283
R9	470R	CHIP RES. 470R 0402 1/16W 1%	RS-0402-470r	RS-0402	1	Yageo	RC0402FR-07470RL	Digi-Key	1	311-470LRCT-ND	USD	1566724
R11, R12, R13	22R	CHIP RES. 22R 0603 1/16W 1%	RS-0603-22r	RS-0603	3	Vishay	CRCW060322R0FKEA	Digi-Key	3	541-22.0HCT-ND	USD	78647
R5	1M	CHIP RES. 1M 1206 1/4W 1%	RS-1206-1M	RS-1206	1	Panasonic	ERJ-8ENF1004V	Digi-Key	1	P1.00MFCT-ND	USD	234185
DS2, DS3, DS6	FSV1045V	DIODO SCHOTTKY 10A 45V FSV1045V TO277-3 SMT	SCHOTTKY - FSV1045V - 10A/45V	TO277-3	3	ON Semiconductor / Fairchild	FSV1045V	Digi-Key	3	FSV1045VCT-ND	USD	34422
DS4, DS5	STPS3H100U	DIODO SCHOTTKY 3A 100V STPS3H100U SMB SMT	SCHOTTKY-STPS3H100U - 3A/100V	SMB	2	STMicroelectronics	STPS3H100U	Digi-Key	2	497-10392-1-ND	USD	31037

Designator	Name	Description	LibRef	Footprint	Quantity	Manufacturer 1	Manufacturer Part Number 1	Supplier 1	Supplier Order Qty 1	Supplier Part Number 1	Supplier Currency 1	Supplier Stock 1
MOD1R	Socket 12-Pin, 0.100 inch (0.335 inch body)	Socket 12-Pin, 0.100 in	SOCKET_LFB_12	SOCKET_LFB_12	1	Sullins	PPTC121LFBN-RC	Digi-Key	1	S6100-ND	USD	25396
MOD1L	Socket 16-Pin, 0.100 inch (0.335 inch body)	Socket 16-Pin, 0.100 in	SOCKET_LFB_16	SOCKET_LFB_16	1	Sullins	PPTC161LFBN-RC	Digi-Key	1	S7014-ND	USD	19673
TVS2	ESDLC5V0M5-TP	DIODO TVS TRANSIL UNIDIR. 20W 5V ESDLC5V0M5-TP SOT563 SMT	TVS-UNI5x - ESDLC5V0M5-TP - 5V	SOT666	1	MCC	ESDLC5V0M5-TP					
TVS1	SM6T6V8A	DIODO TVS TRANSIL UNIDIR. 600W 6.8V SM6T6V8A SMB SMT	TVS-UNI - SM6T6V8A - 6.8V/600W	SMB	1	STMicroelectronics	SM6T6V8A	Digi-Key	1	497-6501-1- ND	USD	7418
J7, J8	uFL-R-SMT-1-10	CONN. RF M U.FL- R-SMT-1(10) HIROSE SMT	UFL - U-FL-R-SMT-1-10	J-3-MDS-UFL	2	Hirose	U.FL-R-SMT-1(10)	Digi-Key	2	H11891CT- ND	USD	139811
J2	10118192-0002LF	CONN. USB F/90° TIPO MICRO-B C.S. 10118192- 0002LF FCI SMT	USB - uUSB-B-10118192- 0002LF	J-5-0065-FOS- MICROUSB10118 192	1	Amphenol FCI	10118192-0002LF	Digi-Key	1	609-5379-1- ND	USD	14143