

	CN800	FTSH-105-L-DV 2x5 1.27mm	1
	CN803	USB4105-GF-A	1
	D500	LXES15AAA1-153	1
	D600	Green	1
	D601, D602	Yellow	2
	D603	Red	1
	D800, D801, D802, D803, D804, D805, D806, D807, D808, D809	PESD3V3L1BA,115	10
	EGSE_IO, PAYL_IO	CON-SMA-EDGE-S	2
	FB600, FB601, FB800	8.5 Ohms @ 100 MHz	3
	L500, L501	100 nH	2
	L502	6 nH	1
	L503	2.2 nH	1
	L600, L601, L602	2.2 µH	3
	Q200, Q201	BSS84-7-F	2
	R200, R204	120 Ohms	2
	R201, R205, R206, R207, R600, R604, R611, R703	100 kOhms	8
	R202, R203	1 MOhms	2
	R402, R403, R515, R517	0 Ohms	4
	R500	EXB-28V102JX	1
	R501	EXB-28V472JX	1
	R502	YC248-JR-0710KL	1
	R511, R512	49.9 Ohms	2
	R513	1 kOhms	1
	R516	5.1 kOhms	1
	R518	3.3 kOhms	1
	R601	2.49 kOhms	1
	R602, R606, R613	4.87 kOhms	3
	R605	15.4 kOhms	1
	R607, R608	680 Ohms	2
	R609	750 Ohms	1
	R610	1.5 kOhms	1
	R612	19.1 kOhms	1
	R700, R701	4.7 kOhms	2
	R702	10 mOhms	1
	R800, R801	YC124-FR-0749R9L	2
	R802, R803	5.1 kOhms	2
	S400	430152043836	1
	S401	450404015514	1
	U200, U201	MCP2542FDT-E/MF	2
	U400	STM32L496RGT3	1
	U500	YAT-3A+	1
	U501	YAT-30A+	1
	U502, U503, U504, U505	DAT-31R5A-PP+	4
	U506, U507	SKY13373-460LF	2
	U508	SKY65366-21	1
	U600, U601, U602	TPS62912	3
	U700	INA232	1
	U701	MIC94080YFT	1
	U800	USBLC6-2SC6	1
	Y400	32.768 kHz	1

Bill Of Materials

Line #	Designator	Quantity	manufacturer	Operating Temperature	Package / Case	Part Number	Tolerance	Value	price	Supplier 1
	C200, C201, C202, C215	4	Murata Electronics	-55°C ~ 125°C	0201 (0603 Metric)	GRM0335C1E221JA01D	±5%	220 pF	0.01	DigiKey
	C203, C620	2	Murata Electronics	-55°C ~ 85°C	0805 (2012 Metric)	GRM21BR61A476ME15K	±20%	47 µF	0.13	DigiKey
	C204, C403, C406, C538, C704, C706	6	Murata Electronics	-55°C ~ 125°C	0402 (1005 Metric)	GRT155C71A105KE13D	±10%	1 µF	0.04	DigiKey
	C205, C206, C207, C208, C209, C210, C211, C212, C213, C214, C400, C404, C407, C408, C409, C410, C411, C516, C518, C520, C522, C525, C528, C537, C549, C606, C611, C615, C618, C623, C627, C700, C701, C702, C703, C705, C800, C801, C802, C803, C804	46	KEMET	-55°C ~ 125°C	0402 (1005 Metric)	C0402C104K4RECAUTO	±10%	0.1 µF	0.01	DigiKey
	C401, C402	2	KEMET	-55°C ~ 125°C	0201 (0603 Metric)	CBR02C120F3GAC	±1%	12 pF	0.07	DigiKey
	C405, C524, C527, C535, C549	5	Murata Electronics	-55°C ~ 125°C	0402 (1005 Metric)	GRM1555C1E103JE01J	±5%	10000 pF	0.02	DigiKey
	C412, C805	2	Murata Electronics	-55°C ~ 125°C	0603 (1608 Metric)	GRM188Z71C475KE21J	±10%	4.7 µF	0.04	DigiKey
	C500, C501, C502, C503, C504, C505, C506, C507, C508, C509, C529, C530	12	Murata Electronics	-55°C ~ 125°C	0201 (0603 Metric)	GRM0335C1H560GA01D	±2%	56 pF	0.01	DigiKey
	C510, C511	2	Murata Electronics	-55°C ~ 125°C	0201 (0603 Metric)	GJM0335C1E1R4BB01D	±0.1pF	1.4 pF	0.01	DigiKey
	C512, C531, C532, C549	5	Johanson Technology Inc.	-55°C ~ 125°C	0201 (0603 Metric)	QLCD250Q101J1GV001T	±5%	100 pF	0.02	DigiKey
	C513	1	KEMET	-55°C ~ 125°C	0201 (0603 Metric)	CBR02C229B3GAC	±0.1pF	2.2 pF	0.02	DigiKey
	C514	1	KEMET	-55°C ~ 125°C	0603 (1608 Metric)	CBR06C620F5GAC	±1%	62 pF	0.30	DigiKey
	C515, C517, C519, C521, C523, C526, C534, C536	8	Murata Electronics	-55°C ~ 125°C	0201 (0603 Metric)	GRM0335C1H221JA01D	±5%	220 pF	0.01	DigiKey
	C533	1	Samsung Electro-Mechanics	-55°C ~ 85°C	0402 (1005 Metric)	CL05A105KO5NNNC	±10%	1 µF	0.01	DigiKey
	C549	2	Murata Electronics	-55°C ~ 125°C	0201 (0603 Metric)	GJM0335C1E2R2BB01D	±0.1pF	2.2 pF	0.01	DigiKey
	C549	1	Murata Electronics	-55°C ~ 125°C	0402 (1005 Metric)	LQW15AN3N3D8ZD	±0.5nH	3.3 nH	0.06	DigiKey
	C549	2	Murata Electronics	-55°C ~ 125°C	0201 (0603 Metric)	GJM0335C1E4R7BB01D	±0.1pF	4.7 pF	0.01	DigiKey
	C549	2	Murata Electronics	-55°C ~ 125°C	0201 (0603 Metric)	GJM0335C1E6R8BB01D	±0.1pF	6.8 pF	0.01	DigiKey
	C549	1	Murata Electronics	-55°C ~ 125°C	0201 (0603 Metric)	GJM0335C1E100GB01D	±2%	10 pF	0.01	DigiKey
	C549	1	Murata Electronics	-55°C ~ 125°C	0402 (1005 Metric)	LQW15AN15N8ZD	±5%	15 nH	0.06	DigiKey
	C549	1	Murata Electronics	-55°C ~ 125°C	0402 (1005 Metric)	LQW15AN18N8ZD	±2%	18 nH	0.07	DigiKey
	C549	4	Johanson Technology Inc.	-55°C ~ 125°C	0201 (0603 Metric)	QLCD250Q470K1GV001T	±10%	47 pF	0.01	DigiKey
	C549	1	Yageo	-55°C ~ 125°C	0201 (0603 Metric)	RC0201FR-07220RL	±1%	220 Ohms	0.01	DigiKey
	C549	1				FT2MNTUM-32.0-T1	±0.5ppm			
	C549	1								
	C549, L400	3	TDK Electronics Inc.	-55°C ~ 150°C	0603 (1608 Metric)	B82496C3101J000	±5%	100nH	0.16	DigiKey
	C549, R400, R401, R503, R504, R505, R506, R507, R508, R509, R510, R514, R603	13	Yageo	-55°C ~ 125°C	0201 (0603 Metric)	AF0201FR-0710KL	±1%	10 kOhms	0.01	DigiKey
	C600, C601, C602	3	Yageo	-55°C ~ 125°C	0201 (0603 Metric)	CC0201KRX7R8BB222	±10%	2200 pF	0.01	DigiKey
	C603, C604, C605, C612, C613, C614, C616, C617, C621, C622, C624, C625, C626	13	Murata Electronics	-55°C ~ 105°C	0603 (1608 Metric)	GRM188C80J226ME15D	±20%	22 µF	0.03	DigiKey
	C607, C608, C609	3	TDK Corporation	-55°C ~ 125°C	0805 (2012 Metric)	C2012X7S1E106K125AC	±10%	10 µF	0.11	DigiKey
	C610, C619, C628	3	TDK Corporation	-55°C ~ 125°C	0402 (1005 Metric)	CGA2B1X7S1C474K050BC	±10%	0.47 µF	0.03	DigiKey
	CN200, CN202	2								
	CN201, CN203	2								
	CN500	1								
	CN800	1								
	CN803	1								
	D500	1	Murata Electronics	-40°C ~ 85°C (TA)	0402 (1005 Metric)	LXES15AAA1-153			0.04	DigiKey
	D600	1	Everlight Electronics Co Ltd		0402 (1005 Metric)	EAST10052GA0		Green	0.09	DigiKey
	D601, D602	2	Stanley Electric Co		0402 (1005 Metric)	FHY1105P-TR		Yellow	0.05	DigiKey
	D603	1	Everlight Electronics Co Ltd		0402 (1005 Metric)	EAST10053RA0		Red	0.05	DigiKey
	D800, D801, D802, D803, D804, D805, D806, D807, D808, D809	10	Nexperia USA Inc.	-65°C ~ 150°C (TA)	SC-76, SOD-323	PESD3V3L1BA,115			0.06	DigiKey
	EGSE_IO, PAYL_IO	2								
	FB600, FB601, FB800	3	Murata Electronics	-55°C ~ 125°C	0603 (1608 Metric)	BLE18PS080SN1D		8.5 Ohms @ 100 MHz	0.08	DigiKey
	L500, L501	2	Murata Electronics	-55°C ~ 125°C	0402 (1005 Metric)	LQW15ANR10J00D	±5%	100 nH	0.04	DigiKey
	L502	1	Murata Electronics	-55°C ~ 125°C	0402 (1005 Metric)	LQW15AN6NOB8ZD	±0.1nH	6 nH	0.07	DigiKey
	L503	1	Murata Electronics	-55°C ~ 125°C	0402 (1005 Metric)	LQW15AN2N2D10D	±0.5nH	2.2 nH	0.05	DigiKey
	L600, L601, L602	3	Bourns Inc.	-40°C ~ 125°C	Nonstandard	SRN4018-2R2M	±20%	2.2 µH	0.17	DigiKey
	Q200, Q201	2	Diodes Incorporated	-55°C ~ 150°C (TJ)	TO-236-3, SC-59, SOT-23-3	BSS84-7-F			0.02	DigiKey
	R200, R204	2	Vishay Dale	-55°C ~ 155°C	0201 (0603 Metric)	CRCW0201120RFNED	±1%	120 Ohms	0.01	DigiKey
	R201, R205, R206, R207, R600, R604, R611, R703	8	Yageo	-55°C ~ 125°C	0201 (0603 Metric)	RC0201FR-13100KL	±1%	100 kOhms	0.01	DigiKey
	R202, R203	2	Vishay Dale	-55°C ~ 155°C	0201 (0603 Metric)	CRCW02011M00JNED	±5%	1 MOhms	0.01	DigiKey
	R402, R403, R515, R517	4	Yageo	-55°C ~ 155°C	0201 (0603 Metric)	AC0201JR-070RL	Jumper	0 Ohms	0.01	DigiKey
	R500	1	Panasonic Electronic Components	-55°C ~ 125°C	0804, Convex, Long Side Terminals	EXB-28V102JX	±5%		0.01	DigiKey
	R501	1	Panasonic Electronic Components	-55°C ~ 125°C	0804, Convex, Long Side Terminals	EXB-28V472JX	±5%		0.01	DigiKey
	R502	1	Yageo	-55°C ~ 155°C	1606, Convex, Long Side Terminals	YC248-JR-0710KL	±5%		0.03	DigiKey
	R511, R512	2	Vishay Dale Thin Film	-55°C ~ 155°C	1206 (3216 Metric)	PHPA1206E49R9BST1	±0.1%	49.9 Ohms	0.76	DigiKey
	R513	1	Yageo	-55°C ~ 155°C	0201 (0603 Metric)	AC0201FR-071KL	±1%	1 kOhms	0.01	DigiKey
	R516	1	Panasonic Electronic Components	-55°C ~ 125°C	0201 (0603 Metric)	ERJ-1GNF5101C	±1%	5.1 kOhms	0.01	DigiKey
	R518	1	Panasonic Electronic Components	-55°C ~ 125°C	0201 (0603 Metric)	ERJ-1GJF3301C	±1%	3.3 kOhms	0.02	DigiKey
	R601	1	Yageo	-55°C ~ 155°C	0201 (0603 Metric)	AC0201FR-072K49L	±1%	2.49 kOhms	0.01	DigiKey
	R602, R606, R613	3	Yageo	-55°C ~ 125°C	0201 (0603 Metric)	RC0201FR-074K87L	±1%	4.87 kOhms	0.01	DigiKey
	R605	1	Yageo	-55°C ~ 125°C	0201 (0603 Metric)	RC0201FR-0715K4L	±1%	15.4 kOhms	0.01	DigiKey
	R607, R608	2	Yageo	-55°C ~ 125°C	0201 (0603 Metric)	RC0201JR-07680RL	±5%	680 Ohms	0.01	DigiKey
	R609	1	Yageo	-55°C ~ 125°C	0201 (0603 Metric)	RC0201JR-07750RL	±5%	750 Ohms	0.01	DigiKey
	R610	1	Vishay Dale	-55°C ~ 155°C	0201 (0603 Metric)	CRCW02011K50JNED	±5%	1.5 kOhms	0.10	DigiKey
	R612	1	Yageo	-55°C ~ 125°C	0201 (0603 Metric)	RC0201FR-0719K1L	±1%	19.1 kOhms	0.01	DigiKey
	R700, R701	2	Yageo	-55°C ~ 155°C	0201 (0603 Metric)	AC0201FR-074K7L	±1%	4.7 kOhms	0.01	DigiKey
	R702	1	Ohmite	-55°C ~ 155°C	1206 (3216 Metric)	L4T12FR010DER	±0.5%	10 mOhms	0.08	DigiKey
	R800, R801	2	Yageo	-55°C ~ 155°C	0804, Convex, Long Side Terminals	YC124-FR-0749R9L	±1%		0.03	DigiKey
	R802, R803	2	Yageo	-55°C ~ 155°C	0201 (0603 Metric)	AC0201FR-075K1L	±1%	5.1 kOhms	0.01	DigiKey
	S400	1								
	S401	1	Würth Elektronik	-40°C ~ 85°C		450404015514			0.48	DigiKey
	U200, U201	2	Microchip Technology	-40°C ~ 125°C	8-VDFN Exposed Pad	MCP2542FDT-E/MF			0.62	DigiKey
	U400	1								
	U500	1								
	U501	1								
	U502, U503, U504, U505	4								
	U506, U507	2								
	U508	1								
	U600, U601, U602	3								
	U700	1								
	U701	1								
	U800	1								
	Y400	1	Abracon LLC	-40°C ~ 85°C	2-SMD, No Lead	ABS07-32.768KHZ-9-1-T		32.768 kHz	0.86	DigiKey