Bill of Materials

Bill of Materials For PCB Document [PCB2.PcbDoc]

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C1, C2, C4, C5, C6, C7, C8, C3, C10, C11, C12 C11, C12, C12, C12, C12, C12, C12, C12,	Footprint	Comment	#Column Name E	Designator	Description	Quantity
608/100.M 608/100.B C1. C12						11
C3 G803 (1608 Metric) Chip Capacitor	`				•	
ARRAY 0612 FTSH-105-01-JTAG HEADER LDVAK SCREW TERM 3 PIN 3.5mm 1638(9803) TIXK-NID0805 MILZ2012N100L	`	22uF		C3	0603 (1608 Metric) Chip Capacitor	1
FISH-105-01-LTAG HEADER LDV-K SCREW Screw Term TERM 3-PM 3-5mm Inductor TDK-IND0805 MLZ0212N100L L1, L3, L4, L5 Inductor TDK-IND0805 MLZ0212N100L L2 Multilayer inductor; .10 uH, ±20%, .300 mOhm, .00MHz, .0805(2012) Multilayer inductor; .10 uH, ±20%, .300 mOhm, .00MHz, .0805(2012) Multilayer inductor; .10 uH, ±20%, .300 mOhm, .00MHz, .0805(2012) Multilayer inductor; .10 uH, ±20%, .300 mOhm, .00MHz, .0805(2012) Multilayer inductor; .10 uH, ±20%, .300 mOhm, .00MHz, .0805(2012) Multilayer inductor; .10 uH, ±20%, .300 mOhm, .00MHz, .0805(2012) Multilayer inductor; .10 uH, ±20%, .300 mOhm, .00MHz, .0805(2012) Multilayer inductor; .10 uH, ±20%, .300 mOhm, .00MHz, .0805(2012) Multilayer inductor; .10 uH, ±20%, .300 mOhm, .00MHz, .0805(2012) Multilayer inductor; .10 uH, ±20%, .300 mOhm, .00MHz, .0805(2012) Multilayer inductor; .10 uH, ±20%, .300 mOhm, .00MHz, .0805(2012) Multilayer inductor; .10 uH, ±20%, .300 mOhm, .00MHz, .0805(2012) Multilayer inductor; .10 uH, ±20%, .300 mOhm, .00MHz, .0805(2012) Multilayer inductor; .10 uH, ±20%, .300 mOhm, .00MHz, .0805(2012) Multilayer inductor; .10 uH, ±20%, .300 mOhm, .00MHz, .0805(2012) Multilayer inductor; .10 uH, ±20%, .300 mOhm, .00MHz, .0805(2012) Multilayer inductor; .10 uH, ±20%, .300 mOhm, .00MHz, .0805(2012) Multilayer inductor; .10 uH, ±20%, .300 mOhm, .00MHz, .0805(2012) Multilayer inductor; .10 uH, ±20%, .300 mOhm, .00MHz, .0005(2012) Multilayer inductor; .10 uH, ±20%, .300 mOhm, .0005(2012) Multilayer inductor; .10 uH, ±20%, .300 m				CN1, CN2, CN3		3
SCREW TERM 3 PIN	FTSH-105-01-			J1	10 pin 0.05" pitch header for JTAG	1
TDK.IND0805 MLZ2012N100L TDK.IND0805	SCREW TERM 3 PIN	Screw Term		J2		1
Header 22 RASM722X RASM722X P3	TDK-IND0805-				Multilayer Inductor, 10 uH, ±20%, 300	4 1
608] N RESC0803(1 0 Ohm RESC0805(2 270	HDR2X2 SWIT-	Header 2X2		P2	Header, 2-Pin, Dual row Power Jack, 5 A, 250 V, 3-Pin SMD,	1 1 1
RESC0803(1 0 Ohm 608)_N R5, R13, R14 Jumper 0603 (1608 Metric) 608)_N R6SC0805(2 270 R6 100K 0.125W 5% 0805 (2012 Metric) 5MD 101Z 5MD 100K 0.125W 5% 0805 (2012 Metric) 5MD 101Z 5MD 100K 0.125W 5% 0805 (2012 Metric) 5MD 101Z 5MD 100K 0.125W 5% 0805 (2012 Metric) 5MD 101Z 5MD 100K 0.125W 5% 0805 (2012 Metric) 5MD 101Z 5MD 100K 0.125W 5% 0805 (2012 Metric) 5MD 101Z 5MD 100K 0.125W 5% 0805 (2012 Metric) 5MD 100K	`	DNP		R1, R2, R3, R4	Jumper 0603 (1608 Metric)	4
RESC0805(2 012) L RESC0805(2 010) L RESC0805(2 012) L RESC0805(2 0	RESC0603(1	0 Ohm		R5, R13, R14	Jumper 0603 (1608 Metric)	3
RESC0805(2 012)_L	RESC0805(2	270		R6	•	1
RESC0805(2 012) L	RESC0805(2	2.7K		R7, R12	100K 0.125W 5% 0805 (2012 Metric)	2
TAYO- AH316M-2_N Chip Antenna RF1 Chip Antenna, 2.4 to 2.5 GHz, 40 to 85 degC, 2-Pin SMD, Pb-Free, Tape and Reel degC, 2-Pin SMD, Pb-Free, Tape and Reel Keystone_50 01 01 01 01 01 01 01 01 01 01 01 01 01	RESC0805(2	100K		R8, R9, R10, R11, R15	100K 0.125W 5% 0805 (2012 Metric)	5
D1	TAYO-	-		RF1	Chip Antenna, 2.4 to 2.5 GHz, -40 to 85	1
M08A_L LM358MX U1	_	5001		TP1	TEST POINT PC MINI .040"D BLACK	1
TI-RGC64- 7300X7300TP _L CC3200 U2 SimpleLink Wi-Fi and Internet-of-Things Solution, a Single-Chip Wireless MCU, 2.1 to 3.6 V, -40 to 85 degC, 64-Pin PQFN (RGC64), Green (RoHS & no Sb/Br), Tray ESP8266 ESP-12-E TDK- DEA202450B T-1294C1- H_V DSG0008A_ V Buck Regulator V U5 U5 Buck Step Down Regulator with 3 to 17 V Input and 3.3 V Output, -40 to 85 degC, 8- Pin WSON (DSG), Green (RoHS & no Sb/Br) AVX- CX3225GB- 4_V AVA- CX3225GB- 4_V SimpleLink Wi-Fi and Internet-of-Things Solution, a Single-Chip Wireless MCU, 2.1 to 3.6 V, -40 to 85 degC, 64-Pin PQFN (RGC64), Green (RoHS & no Sb/Br) 2.4 GHz Filter Buck Step Down Regulator with 3 to 17 V Input and 3.3 V Output, -40 to 85 degC, 8- Pin WSON (DSG), Green (RoHS & no Sb/Br) Crystal Unit, 8 pF, 25000 kHz, -10 to 70 degC, 4-Pin 3.2 x 2.5 x 0.8 mm SMD, RoHS, Tape and Reel		LM358MX		U1	•	1
ESP-12-E TDK- DEA202450B T-1294C1- H_V DSG0008A_ V AVX- CX3225GB- 4_V ESP-12-E 12E 2.4 GHz Filter U4 2.4 GHz Filter 2.4 GHz Filter 2.4 GHz Filter Buck Step Down Regulator with 3 to 17 V Input and 3.3 V Output, -40 to 85 degC, 8-Pin WSON (DSG), Green (RoHS & no Sb/Br) X1 Crystal Unit, 8 pF, 25000 kHz, -10 to 70 degC, 4-Pin 3.2 x 2.5 x 0.8 mm SMD, RoHS, Tape and Reel	7300X7300TP			U2	SimpleLink Wi-Fi and Internet-of-Things Solution, a Single-Chip Wireless MCU, 2.1 to 3.6 V, -40 to 85 degC, 64-Pin PQFN	1
TDK-DEA202450B 2.4 GHz BPF U4 2.4 GHz Filter DEA202450B T-1294C1-H_V Buck Step Down Regulator with 3 to 17 V Input and 3.3 V Output, -40 to 85 degC, 8-Pin WSON (DSG), Green (RoHS & no Sb/Br) AVX-CX3225GB-4_V AVMHz Crystal X1 Crystal Unit, 8 pF, 25000 kHz, -10 to 70 degC, 4-Pin 3.2 x 2.5 x 0.8 mm SMD, RoHS, Tape and Reel				U3	ESP8266 ESP-12-E	1
DSG0008A_ Buck Regulator V Input and 3.3 V Output, -40 to 85 degC, 8-Pin WSON (DSG), Green (RoHS & no Sb/Br) AVX- 40MHz Crystal X1 Crystal Unit, 8 pF, 25000 kHz, -10 to 70 degC, 4-Pin 3.2 x 2.5 x 0.8 mm SMD, RoHS, Tape and Reel	TDK- DEA202450B T-1294C1-	2.4 GHz BPF		U4	2.4 GHz Filter	1
AVX- 40MHz Crystal X1 Crystal Unit, 8 pF, 25000 kHz, -10 to 70 degC, 4-Pin 3.2 x 2.5 x 0.8 mm SMD, RoHS, Tape and Reel		Buck Regulator		U5	Input and 3.3 V Output, -40 to 85 degC, 8-Pin WSON (DSG), Green (RoHS & no	1
	CX3225GB-	40MHz Crystal		X1	Crystal Unit, 8 pF, 25000 kHz, -10 to 70 degC, 4-Pin 3.2 x 2.5 x 0.8 mm SMD,	1
Approved Notes			Netos			48
	Approved		NOTES			