



IONX Production

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In Production

PCBA, W401, open/close, mag switch

Revision: »B6 - In Production | **Effective as of 05/03/2019 11:25:48 AM, Shared**

Contains **40** first-level Items, **44** line Items, **44** unique Items, **43** of which are shared.

# Item Number	Item Name ▲	Category	Phase	Wkg Mods	Where Used	Files	Rqmts	Qty	BOM Notes / Ref Des
1 303514(A)	ANTENNA 2.45GHZ PATCH 25X25X4mm	Antenna	In Prod				4	✓ 1 EA	A1
2 303452(E)	Battery Pack, LiSOCL2, 7.2V, 2.4Ahr, IS	⚡ Battery/Charger	In Prod				1	? 1 EA	IS Part Do not install until board is tested BT1
3 303512(A)	CAP CER 0.022UF 10% 35V X7R 0402	⚡ Capacitor	In Prod				2	✓ 3 EA	C39, C43, C44
4 301838(B)	CAP CER 0.22UF 10% 10V X7R 0402	⚡ Capacitor	In Prod				6	✓ 1 EA	C20
5 303675(A)	CAP CER 0.47UF 20% 10V X5R 0402	⚡ Capacitor	In Prod				3	✓ 1 EA	C27
6 303366(B)	CAP CER 100PF 5% 50V C0G 0402	⚡ Capacitor	In Prod				2	✓ 1 EA	C68
7 303527(A)	CAP CER 100UF 10V 20% X5R 1210	⚡ Capacitor	In Prod				9	✓ 1 EA	C38
8 301786(A)	CAP CER 1PF 10% 50V NP0 0402	⚡ Capacitor	In Prod				8	✓ 2 EA	C69, C70
9 303508(B)	CAP CER 2.2UF 10% 10V X6S 0402	⚡ Capacitor	In Prod				7	✓ 11 EA	C46-49, C51, C60, C63 no pop_ C1, C3, C6, C7, C9, C11, C13, C14, C22, C37, C42
10 303674(D)	CAP CER 47UF 10V 20% X5R 1210	⚡ Capacitor	In Prod				2	✓ 1 EA	C40
11 301791(B)	CAP CER 56nF 16V 10% X7R 0402	⚡ Capacitor	In Prod				6	✓ 20 EA	C2, C4, C5, C8, C10, C12, C15, C17, C18, C19, C21, C23, C24, C25, C26, C28, C29, C30, C34, C41
12 301788(B)	CAP CER 6.2PF +/-0.25pF 50V NP0 0402	⚡ Capacitor	In Prod				8	✓ 3 EA	C16, C33, C36
13 301785(B)	CAP CER 68PF 50V 5% NP0 0402	⚡ Capacitor	In Prod				9	✓ 3 EA	C31, C32, C35
14 303482(A)	CRYSTAL 20.000 MHZ 10PF SMD	Crystal	In Prod				2	✓ 1 EA	X3
15 301761(A)	Crystal 32.7680kHz 20ppm 12.5pF 90 kOhm -40°C - 85°C Surface Mount 2-SMD	Crystal	In Prod				4	✓ 1 EA	X2
16 303516(A)	DIODE SCHOTTKY 30V 1A USC	⚡ Diode	In Prod				2	✓ 3 EA	IS Parts D5, D6, D7
17 303677(A)	DIODE ZENER 6.2V 5% 5W DO214AA(SMB)	⚡ Diode	In Prod				6	✓ 2 EA	IS Parts D3, D4

# Item Number	Item Name ▲	Category	Phase	Wkg Mods	Where Used	Files	Rqmts	Qty	BOM Notes / Ref Des
18 301765(B)	FILTER CHIP 1000 OHM 250MA 0402	 Inductor	In Prod				7	✓ 5 EA	FB1, FB2, FB3, FB4, FB5
19 303393(A)	FIXED IND 3.3NH 300MA 190 MOHM	 Inductor	In Prod				5	✓ 1 EA	L3
20 303719(A)	FUSE BOARD MNT 62MA 125VAC/VDC	 Fuse	In Prod				1	✓ 1 EA	IS Part F1
21 301812(A)	IC LOAD SWITCH LV DUAL SOT23-8	 IC	In Prod				4	✓ 1 EA	U3
22 303520(A)	IC MCU 32BIT 256KB FLASH 120BGA	 IC	In Prod				2	✓ 1 EA	U1
23 301801(B)	IC NFC/RFID TAG 64KB EEPROM 8SOI	 IC	In Prod				3	✓ 1 EA	U4
24 303521(A)	IC REG BUCK BST PROG 0.2A 16QFN	 IC	In Prod				4	✓ 1 EA	U5
25 303428(A)	Inductor, 10 uH, 80mA, 0603, +/-10%	 Inductor	In Prod				1	✓ 1 EA	L1
26 303667(A)	Inductor, 4.7uH, 1A, shielded, 1210	 Inductor	In Prod				1	✓ 1 EA	L2
27 303668(A)	LED, red, 0603, 50-60mcd	Opto	In Prod				2	✓ 1 EA	LED1
28 303481(A)	NFC STAMP FLEX ANTENNA 32X25MM	Antenna	In Prod				5	✓ 1 EA	A2
29 303531(B)	Oscillator, 32.768KHz, 3.3V	Oscillator	In Prod				2	✓ 1 EA	X1
30 303655(B6)	PCB fab, W4xx	 Printed Circuit Board	In Prod				2	✓ 1 EA	IS Part
31 303708(A)	RES 1.2M OHM 1% 1/16W 0402	 Resistor	In Prod				2	✓ 2 EA	R12, R14
32 303707(A)	RES SMD 10K OHM 1% 1/16W 0402	 Resistor	In Prod				7	✓ 3 EA	R8, R9, R11
33 303705(A)	RES SMD 1K OHM 1% 1/16W 0402	 Resistor	In Prod				7	✓ 5 EA	R1, R5, R10, R13, R15
34 303706(A)	RES SMD 63.4K OHM 1% 1/16W 0402	 Resistor	In Prod				7	✓ 3 EA	R3, R4, R6
35 303730(A)	Res, 200 Ohm, 1%, 2W, 2512	 Resistor	In Prod				3	✓ 1 EA	IS part R2
36 300989(A)	Res, thick film, 0 ohm, 1/16W, 1%, 0402	 Resistor	In Prod				3	✓ 1 EA	R24
37 780-00062(B6)	Schematic, W4xx	 Schematic	In Prod				1	✓ 1 EA	
38 303364(A)	SmartMeshIP MOTE 72QFN w/ Software	 Subassembly	In Prod					✓ 1 EA	U2
1 510-00040(1.4.1.8)	Firmware, SmartMesh IP, DUST LTC5800 IPM E6 Mote with FuseTable	Firmware	In Prod				2	✓ 1 EA	
1 510-00039(1.4.1)	Firmware, SmartMesh IP, DUST LTC5800 IPM Mote	Firmware	In Prod				4	✓ 1 EA	
2 510-00038(C)	FUSE_TABLE, SmartMesh IP, DUST LTC5800 IPM Mote E6 board	Firmware	In Prod				2	✓ 1 EA	
2 303363(B)	SMARTMESH IP MOTE 2.4GHZ 72QFN	 IC	In Prod				2	✓ 1 EA	
39 303540(B)	Switch, Reed, 0.5A, 10-15 AT, SMT	 Switch	In Prod				4	✓ 2 EA	S2, S4
40 301161(B)	wire, 24awg, 7/32, pvc, (OD)0.088, (JT)0.032, 600V, WHITE	 Cable	In Prod				1	✓ 1 IN	One 30mm and one 35mm length W1