	ohm - kohm Mohm Gohm	conducting (e3)	Good					Wire bonding																			
Color Legend L-Edit Device #		Insulating m	mediam		10-M1-4 irebond, VHF	Different Switch Designs			Before vaporHF									ad diagrar	1							Wire	
			bad				Optical images predict	and		Bonding parameters		С			B2 B3	3 B4	B5	RF	Reset	C (risky) C	G (left)	RF to A	A	Notes	Notes after vaporHF	bonding	
	All devices	Repeated Initial status		Initial status	Final status		ons	package		Ch1 (time, power)	Ch2 (time, power)	myself and	·	В0	B1	B2 B3	5 64	В	RF	Reset	G (right)	G (left)	(RF first bond)	A			
	Full chip	results						Silver paint on package with 44 pads																	11, top, 12, bottom	Bottom disconnected	Left
1	B2			RF disconected					Yes	3.5,3.9	3.5,3.8	yes	13, a					17,	14,ak	15, a	16, ak					RF disconnected	B2
		A8																									
2	C2 D2																										
4	E2			B5 shorted					Yes	3.5,3.9	3.5,3.8	yes	18, ∞					22,	19,	20, a	21,**						E2
5	F2 B3																										
7	C3	B8																									
8	D3			RF shorted					Yes	3.5,3.9	3.5,3.8	yes	7 , ak					6,	9,∞	10, a		8, ∞					D3
9	E3			Wire bonds came					Yes	3.5,3.9	3.5,3.8																
10	F3 B4			off from handling					Yes	3.5,3.9	3.5,3.8	yes	26, ∞					27,.	25, sk	24, ak		23,∞					F3
12	C4	C8							Yes	3.5,3.9	3.5,3.8	yes	42, a					40,	43, at	44, ak	41, ak						C8
13 14	D4 E4																										
15 16	F4 B5								Yes	3.5,3.9	3.5,3.8	yes	3, at					1,	4, at	5, at	2, ak						B5
17 18 19	C5 D5 E5																										
20	FS								Yes	3.5,3.9	3.5,3.8	yes	34, ∞					33,	29, ak	28, ok	32, ak						F5
21 22 23	B6 C6 D6																										
24	E6								Yes	3.5,3.9	3.5,3.8	yes	38,∞					36,	37, ak	39, ak	35,ek					Big dirt on device, but not in an important spot	E6
25 26	F6 B7	D4																									
27 28	C7 D7	E8																									
29 30	E7 F7 A2 A3																										
31 32 33	Α4																										
34 35 36 37	A5 A6 A7																										
38	G2 G3 G4																										
39 40 41	G4 G5	F8																									
42	G7	G8																									
43 44 45	A1 B1 C1	D1	G1																								
46 47	E1 F1																										