

PL 2415 VHF SMD PART LIST (PCB REV.G)

updated

ITEM	PART	DISCRIPTION	EA	REFERANCE No.
COMPLETE UNIT		PL - 2415 MIDLAND	0	
SET ASS'Y		PL - 2415	1	
MAIN PCB SMD ASS'Y		PL - 2415	1	
IC	LMX2316TMX (PLL IC)	LMX2316TMX	1	IC2
IC	REGULATOR IC (LDO)	S-L2980A58MC - C7RTF - G	1	IC7
IC	EEPROM IC	24LC02BT - I/SN	1	IC6
IC	AUDIO AMP	TDA7233D	1	IC5
IC	REGULATOR IC	TK11250CMCL - G (AMTL)	1	IC3
IC	KIA 324F (FLP - 14)	KIA 324F (FLP - 14)	3	U1,2,5
IC	OP AMP (DUAL)	KIA358F	3	U3,4,6
IC	FM IC	TA31136FN - EL.HZ	1	IC1
TR	SWITCHING TR	KRA 101S	1	Q15
TR	SWITCHING TR	KRC 104S	17	Q8,12,16,17,18,19,20,21,24,25,36,37,39,42,45,46,47
TR	SWITCHING TR	KRA 104S	1	Q38
TR	SWITCHING TR	KRA 105S	4	Q22,23,26,48
TR	KRA305	KRA 305	2	Q14,28
TR	SWITCHING TR	KRC 110S	1	Q301
TR	PBR 951LT1	PBR 951LT1	1	Q9
TR	KTA 1504S(Y)	KTA 1504S(Y)	2	Q5,44
TR	KTC 3875S (Y)	KTC 3875S (Y)	1	Q43
TR	STB 1188Y	STB 1188Y	1	Q300
TR	KTC 3880 Y	KTC 3880 Y	1	Q3
TR	AMP TR	2SC4226 - T1 (R25)	7	Q1,2,4,7,10,11,13
FET	RF POWER FET	2SK3476(Te12L)	1	Q6
DIODE	KDS - 160	KDS160	1	D1
DIODE	KDS - 114	KDS114	1	D5
DIODE	KDS 181	KDS 181	2	D16,17
DIODE	PIN DIODE	MA77(MA2Z07700L)	1	D6
DIODE	VARICAP DIODE	KDV269E	2	D11, 20
DIODE	VARICAP DIODE	KDV300E	3	D3,4,15
LED	GREEN + RED 2 COLOR (CHIP)	BL - HEIG033B - TR	1	LED1
CHIP CAPACITOR	1608 C 2PF	C1608C0G1H 020C	1	C162
CHIP CAPACITOR	1608 C 3PF	C1608C0G1H 030C	1	C164

CHIP CAPACITOR	1608 C 4PF	C1608C0G1H 040C	3	C113,210,157
CHIP CAPACITOR	1608 C 5PF	C1608C0G1H 050C	4	C80,84,163,30
CHIP CAPACITOR	1608 C 6PF	C1608C0G1H 060C	2	C199,159
CHIP CAPACITOR	1608 C 7PF	C1608C0G1H 070C	4	C205,178,169,32
CHIP CAPACITOR	1608 C 8PF	C1608C0G1H 080C	1	C61
CHIP CAPACITOR	1608 D 10PF	C1608C0G1H 100D	7	C5,21,23,28,34,58,211
CHIP CAPACITOR	1608 J 100PF	C1608C0G1H 101J	2	C153,216
CHIP CAPACITOR	1608 J 1000PF	C1608C0G1H 102J	7	C44,108,128,179,193,200,204
CHIP CAPACITOR	1608 K 103PF	C1608X7R1H 103K	14	C1,2,3,4,6,7,31,35,82,83,132,139,151,R80
CHIP CAPACITOR	1608 K 104PF	C1608X7R1H 104K	10	C12,14,15,68,92,114,116,121,127,202
CHIP CAPACITOR	1608 Z 104PF	C1608Y5V1H 104Z	21	C18,81,107,125,126,133,134,135,136,137,148,154,161,165,181,182,187,190,191,201,203
CHIP CAPACITOR	1608 Z 105PF	C1608Y5V1C 105Z	3	C50,171,185
CHIP CAPACITOR	1608 J 12PF	C1608C0G1H 120J	4	C42,55,143,45
CHIP CAPACITOR	1608 J 15PF	C1608C0G1H 150J	2	C56,71
CHIP CAPACITOR	1608 J 18PF	C1608C0G1H 180J	1	C149
CHIP CAPACITOR	1608 J 180PF	C1608C0G1H 181J	1	C47
CHIP CAPACITOR	1608 K 183PF	C1608X7R1H 183K	1	C112
CHIP CAPACITOR	1608 J 20PF	C1608C0G1H 200J	6	C43,95,96,8,26,158
CHIP CAPACITOR	1608 J 22PF	C1608C0G1H 220J	2	C69,142
CHIP CAPACITOR	1608 K 222PF	C1608X7R1H 222K	2	C111,167
CHIP CAPACITOR	1608 K 223PF	C1608X7R1H 223K	5	C65,74,78,79,86
CHIP CAPACITOR	1608 K 224PF	C1608X7R1C 224K	2	C118,119
CHIP CAPACITOR	1608 J 24PF	C1608C0G1H 240J	3	C144,155,156
CHIP CAPACITOR	1608 J 27PF	C1608C0G1H 270J	8	C19,24,29,49,53,75,76,146
CHIP CAPACITOR	1608 K 273PF	C1608X7R1H 273K	1	C101
CHIP CAPACITOR	1608 J 30PF	C1608C0G1H 300J	1	C72
CHIP CAPACITOR	1608 J 33PF	C1608C0G1H 330J	3	C20,46,60
CHIP CAPACITOR	1608 K 332PF	C1608X7R1H 332K	2	C174,195
CHIP CAPACITOR	1608 K 333PF	C1608X7R1H 333K	3	C100,110,192
CHIP CAPACITOR	1608 J 47PF	C1608C0G1H 470J	6	C38,39,40,168,206,207
CHIP CAPACITOR	1608 K 470PF	C1608X7R1H 471K	10	C9,10,51,52,54,67,70,77,124,170
CHIP CAPACITOR	1608 K 472PF	C1608X7R1H 472K	5	C57,98,109,130,131
CHIP CAPACITOR	1608 K 473PF	C1608X7R1H 473K	12	C41,66,73,91,102,105,115,122,123,160,184,186
CHIP CAPACITOR	2012 Z 475PF	C2012Y5V1C 475Z	9	C17,27,63,89,90,94,120,129,147
CHIP CAPACITOR	1608 J 56PF	C1608C0G1H 560J	1	C196
CHIP CAPACITOR	1608 K 560PF	C1608X7R1H 561K	1	C106

CHIP CAPACITOR	1608 K 562PF	C1608X7R1H 562K	1	C194
CHIP CAPACITOR	1608 K 563PF	C1608X7R1H 563K	2	C99,188
CHIP CAPACITOR	1608 J 62PF	C1608C0G1H 620J	1	C141
CHIP CAPACITOR	1608 K 682PF	C1608X7R1H 682K	1	C214
CHIP CAPACITOR	1608 J 82PF	C1608C0G1H 820J	3	C11,16,215
CHIP TANTAL CAPACITOR	1uF -M/35V(A)	TSM1V105ASSR	1	C33
CHIP TANTAL CAPACITOR	10uF -M/10V(A)	10MCM106MATER	5	C97,138,140,166,172
CHIP TANTAL CAPACITOR	100uF -M/6.3V(C)	TSM0J107CSSR	1	C87
CHIP TANTAL CAPACITOR	22uF -M/16V(B)	TLM1C226BSSR	1	C88
CHIP TRIMMER CAPACITOR	2PIE 6PF	TZY2Z060A001R00	1	TC3
CHIP TRIMMER CAPACITOR	2PIE 3PF	TZY2Z030A001R00	1	TC2
COIL AIR	0.28-1.1-6TL	0.28-1.1-6TL	2	L4,10
COIL AIR	0.35-1.6-7TL	0.35-1.6-7TL	1	L11
COIL AIR	0.35-1.6-5TL	0.35-1.6-5TL	1	L21
COIL AIR	0.35-1.1-6TL	0.35-1.1-6TL	2	L8,9
COIL AIR	0.45-1.4-3TL	0.45-1.4-3TL	1	L31
INDUCTOR	1608 K 1uH	LK1608-1R0K-T	3	L5,15,20
INDUCTOR	2520 J 1uH	LEM2520T-1R0J	1	L25
INDUCTOR	1608 J 22nH	HK1608-22NJ	1	L17
INDUCTOR	1608 J 27nH	HK1608-27NJ	1	L26
INDUCTOR	1608 J 220nH	HK1608-R22J	1	L28
INDUCTOR	2012 J 220nH	0805CS-221EJTS	1	L30
INDUCTOR	1608 K 2.2uH	LK1608-2R2K-T	2	L24,3
INDUCTOR	2520 K 47nH	LEM2520T-47NK	2	L18, 19
INDUCTOR	1608 J 47nH	HK1608-47NJ	3	L23,27,C209
INDUCTOR	1608 K 56nH	HK1608-56NK	1	L13
INDUCTOR	2520 K 56nH	LEM2520T-56NK	2	L6, 16
INDUCTOR	2520 K 68N	LEM2520T-68NK	1	L7
INDUCTOR	1608 100nH J	HK1608 R10J	4	L1,2,22,12
INDUCTOR	1608 K 820NH	LK1608-R82K-T	1	L14
CHIP RESISTOR	1608 J 0Ω	RMC1/16 0J TP	6	R34,73,222,C64,LK3,LK4
CHIP RESISTOR	1W J 2512 0.1Ω	MCR100JZHJL R10	1	R240
CHIP RESISTOR	1608 J 10Ω	RMC1/16 100J TP	5	R30,37,42,57,133
CHIP RESISTOR	1608 J 100Ω	RMC1/16 101J TP	5	R2,7,17,167,246
CHIP RESISTOR	1608 J 1KΩ	RMC1/16 102J TP	9	R3,11,49,51,62,99,109,176,214
CHIP RESISTOR	1608 J 10KΩ	RMC1/16 103J TP	16	R26,43,44,102,104,118,119,122,123,126,127,196,197,198,201,242

CHIP RESISTOR	1608 J 100KΩ	RMC1/16 104J TP	13	R140,142,40,21,174,16,47,84,86,61,66,181,13
CHIP RESISTOR	1608 J 1MΩ	RMC1/16 105J TP	2	R64,93
CHIP RESISTOR	1608 J 1.2KΩ	RMC1/16 122J TP	1	R100
CHIP RESISTOR	1608 J 12KΩ	RMC1/16 123J TP	2	R95, 232
CHIP RESISTOR	1608 J 120KΩ	RMC1/16 124J TP	4	R15,82,248,249
CHIP RESISTOR	1608 J 1.5KΩ	RMC1/16 152J TP	1	R188
CHIP RESISTOR	1608 J 15KΩ	RMC1/16 153J TP	4	R8,131,204,241
CHIP RESISTOR	1608 J 150KΩ	RMC1/16 154J TP	2	R10,85
CHIP RESISTOR	1608 J 18Ω	RMC1/16 180J TP	1	R163
CHIP RESISTOR	1608 J 180Ω	RMC1/16 181J TP	1	R22
CHIP RESISTOR	1608 J 1.8KΩ	RMC1/16 182J TP	2	R50,60
CHIP RESISTOR	1608 J 18KΩ	RMC1/16 183J TP	1	R63
CHIP RESISTOR	1608 J 180KΩ	RMC1/16 184J TP	1	R48
CHIP RESISTOR	1608 D 20KΩ	RMC1/16 203D TP	1	R110
CHIP RESISTOR	1608 J 20KΩ	RMC1/16 203J TP	2	R70,219
CHIP RESISTOR	1608 J 200KΩ	RMC1/16 204J TP	2	R67,135
CHIP RESISTOR	1608 J 220Ω	RMC1/16 221J TP	4	R12,24,25,33
CHIP RESISTOR	1608 J 2.2KΩ	RMC1/16 222J TP	2	R74,208
CHIP RESISTOR	1608 J 22KΩ	RMC1/16 223J TP	9	R39,69,120,124,171,200,239,243,244
CHIP RESISTOR	1608 D 220KΩ	RGC1/16 224D	2	R38,59
CHIP RESISTOR	1608 J 220KΩ	RMC1/16 224J TP	3	R92,157,234
CHIP RESISTOR	1608 J 2.4KΩ	RMC1/16 242J TP	2	R6,108
CHIP RESISTOR	1608 J 270Ω	RMC1/16 271J TP	1	R5
CHIP RESISTOR	1608 J 2.7KΩ	RMC1/16 272J TP	6	R27,29,36,71,75,168
CHIP RESISTOR	1608 J 27KΩ	RMC1/16 273J TP	4	R91,159,172,C104
CHIP RESISTOR	1608 J 300Ω	RMC1/16 301J TP	3	R58,143,162
CHIP RESISTOR	1608 J 3KΩ	RMC1/16 302J TP	1	R125
CHIP RESISTOR	1608 J 3.6KΩ	RMC1/16 362J TP	1	R18
CHIP RESISTOR	1608 J 3.3KΩ	RMC1/16 332J TP	5	R20,28,134,228,229
CHIP RESISTOR	1608 D 33KΩ	RMC1/16 333D TP	1	R111
CHIP RESISTOR	1608 J 33KΩ	RMC1/16 333D TP	4	R89,90,177,180
CHIP RESISTOR	1608 J 330KΩ	RMC1/16 334J TP	3	R106,130,136
CHIP RESISTOR	1608 J 36KΩ	RMC1/16 363J TP	1	R81
CHIP RESISTOR	1608 J 390Ω	RMC1/16 391J TP	1	R300
CHIP RESISTOR	1608 J 3.9KΩ	RMC1/16 392J TP	2	R77,107
CHIP RESISTOR	1608 J 39KΩ	RMC1/16 393J TP	2	R88,247

CHIP RESISTOR	1608 J 390KΩ	RMC1/16 394J TP	1	R237
CHIP RESISTOR	1608 J 470Ω	RMC1/16 471J TP	3	R9,112,113
CHIP RESISTOR	1608 J 4.7KΩ	RMC1/16 472J TP	8	R23,41,54,87,199,,231,245,97
CHIP RESISTOR	1608 J 47KΩ	RMC1/16 473J TP	17	R32,105,114,116,117,189,190,193,194,195,205,206,218,220,250,251,252
CHIP RESISTOR	1608 J 470KΩ	RMC1/16 474J TP	3	R72,178,253
CHIP RESISTOR	1608 J 4.7MΩ	RMC1/16 475J TP	2	R137,202
CHIP RESISTOR	1608 J 51KΩ	RMC1/16 513J TP	1	R65
CHIP RESISTOR	1608 J 510KΩ	RMC1/16 514J TP	2	R173,52
CHIP RESISTOR	1608 J 560Ω	RMC1/16 561J TP	1	R96
CHIP RESISTOR	1608 J 5.6KΩ	RMC1/16 562J TP	1	R101
CHIP RESISTOR	1608 J 56KΩ	RMC1/16 563J TP	2	R1,158
CHIP RESISTOR	1608 J 560KΩ	RMC1/16 564J TP	1	R76
CHIP RESISTOR	1608 J 5.6MΩ	RMC1/16 565J TP	1	R301
CHIP RESISTOR	1608 J 62KΩ	RMC1/16 623J TP	1	R53
CHIP RESISTOR	1608 J 680Ω	RMC1/16 681J TP	1	R4
CHIP RESISTOR	1608 D 68KΩ	RGC1/16 683D	2	R94,98
CHIP RESISTOR	1608 J 680KΩ	RMC1/16 684J TP	1	R115
CHIP RESISTOR	1608 J 75KΩ	RMC1/16 753J TP	1	R83
CHIP RESISTOR	1608 J 8.2KΩ	RMC1/16 822J TP	6	R35,46,55,203,R227,C103
CHIP RESISTOR	1608 J 820KΩ	RMC1/16 824J TP	1	R238
CHIP RESISTOR	1608 J 9.1KΩ	RMC1/16 912J TP	1	R235
CHIP SEMI V.R	CHIP SEMI V.R 22 KΩ	TMC3KJ B22K TR	2	RV3,RV4
CHIP SEMI V.R	CHIP SEMI V.R 4.7 KΩ	TMC3KJ B4.7K TR	2	RV2,RV5
CHIP SEMI V.R	CHIP SEMI V.R 47 KΩ	TMC3KJ B47K TR	1	RV6
THERMISTOR	103K	TBP S1 R 103K 440H5Q	1	RT1
MAIN PCB	PL-2215P/2415(VHF) MAIN (REV.F)	PL-2215P/2415 MAIN	1	MAIN PCB REV.F
CONNECTOR	KYOCERA-ELCO	08-6210-007-010-800	1	J2
VCTCXO	VCTCXO 12.8MHz	VCTCXO 12.8MHz	1	FL701

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ITEM	PART	DISCRIPTION	EA	REFERENCE No.
COMPLETE UNIT		PL-2415 MIDLAND	0	
SET ASS'Y		PL-2415	1	
MAIN PCB ASS'Y			1	
X-TAL UNIT	UM-4 44.645MHZ	UM-4 44.645MHZ	1	XT1
X-TAL UNIT	HC-49/S 4.194304Mhz	HC-49/S 4.194304Mh	1	XT2
CERAMIC FILTER	LTM455FW	LTM455FW	1	CF1
CERAMIC FILTER	LTM455GW	LTM455GW	1	CF2
X-TAL FILTER	UM-4 45M15B(PAIR)	UM-4 45M15B	1	XF1.2
C-MIC	CMP-4546	CMP-4546	1	MIC1
TACT SWITCH	DHT 1101VA	DHT 1101VA	2	SW2,SW3
PHONE JACK	ST-5	ST-5	1	J1
IC	MPU IC	TMP87PM41U	1	IC4
DISCRIMINATOR	JTBM455C24	JTBM455C24	1	DEC1
FLEXIBLE PCB ASS'Y			1	
FLEXIBLE PCB	PL-2415/2445 FLEXIBLE PCB (NEW)	PL-3U(V)HF	1	FLEXIBLE SUB PCB
SWITCH VOLUME	RY-6900	TP76N00N15F15A20K	1	RV1(SW VOL)
CH SWITCH	RY-7119	TP90N943F24 15F		CH SW1
COVER ASS'Y			1	
SPEAKER	SM-408MS	SM-408MS	1	SPK1