

PL 5161 VHF SMD PART LIST (REV. G)

PART TYPE	Value	Description	Qty	Reference Number
COMPLETE UNIT		PL-5161 MIDLAND	0	
SET ASS'Y		PL-5161	1	
MAIN PCB ASS'Y		PL-5161	1	
MAIN PCB SMD ASS'Y		PL-5161	1	
IC	LMX2316TMX(PLL IC)	LMX2316TMX	1	IC2
IC	EEPROM IC	24LC08BT-I/SN	1	IC701
IC	AUDIO AMP	TDA7233D	1	IC5
IC	REGULATOR IC	TK11250CMCL-G (AMTL)	1	IC3
IC	REGULATOR IC (LDO)	S-L2980A58MC-C7RTF-G	1	IC7
IC	OP AMP Dip 14pin SSOP	NJM324V	4	U1.2.5.6
IC	OP AMP (DUAL)	KIA358F	2	U3.4
IC	FM IC	TA31136FN-EL.HZ	1	IC1
TR	GENERAL PURPOSE TR	BCX17LT1	1	Q48
TR	SWITCHING TR	KRA 101S	1	Q15
TR	SWITCHING TR	KRA 104S	1	Q45
TR	SWITCHING TR	KRC 104S	19	Q4.9.12.16.17.18.19.20.21.24.25.27.36.37.39.42.46.50.62
TR	SWITCHING TR	KRA 305	2	Q14.28
TR	SWITCHING TR	KRA 105S	6	Q22.23.26.38.44.58
TR	KRA 113	KRA 113	1	Q49
TR	KTA 1504S(Y)	KTA 1504S(Y)	1	Q5
TR	KTC 3875S (Y)	KTC 3875S (Y)	1	Q47
TR	KTC 3880 Y	KTC 3880 Y	1	Q3
TR	AMP TR	2SC4226-T1 (R25)	7	Q1.2.7.10.11.13.41
FET	RF POWER FET	2SK3078A(TE12L)	1	Q8
FET	RF POWER FET	2SK3476 (EPP)	1	Q6
DIODE	KDS 160	KDS 160	1	D1
DIODE	KDS 181	KDS 181	2	D16.17
DIODE	KDS 226	KDS226	1	D22
DIODE	PIN DIODE (M/A COM)	MA4P7001F-1072T	1	D6

DIODE	PIN DIODE	MA77(MA2Z07700L)	1	D5
DIODE	VARICAP DIODE	KDV300E	3	D3.4.15
DIODE	VARICAP DIODE	KDV269E	2	D11.20
CHIP LED	GREEN 1 COLOR	BL-HG036D-TR	3	D21.23.25
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	4	C113.159.210,157
CHIP CAPACITOR	1608 C 5PF	C1608C0G1H 050C	3	C11.84.163
CHIP CAPACITOR	1608 C 6PF	C1608C0G1H 060C	1	C29
CHIP CAPACITOR	1608 C 7PF	C1608C0G1H 070C	2	C67,146
CHIP CAPACITOR	1608 C 8PF	C1608C0G1H 080C	2	C61,30
CHIP CAPACITOR	1608 D 10PF	C1608C0G1H 100D	8	C21.23.34.51.58.256,26,184
CHIP CAPACITOR	1608 J 100PF	C1608C0G1H 101J	2	C216.278
CHIP CAPACITOR	1608 K 1000PF	C1608X7R1H 102K	8	C8.44.128.151.197.211.213.281
CHIP CAPACITOR	1608 K 103PF	C1608X7R1H 103K	17	C1.2.3.4.6.7.13.35.82.83.109.114.122.145.255.206,R80
CHIP CAPACITOR	1608 K 104PF	C1608X7R1H 104K	17	C12.14.15.68.92.116.127.158.188.189.190.191.196.201.202.232.R225
CHIP CAPACITOR	1608 Z 104PF	C1608Y5V1H 104Z	21	C18.39.54.80.81.107.125.126.133.134.135.136.137.161.165.166.170.187.193.221.222
CHIP CAPACITOR	1608 J 12PF	C1608C0G1H 120J	2	C42,53
CHIP CAPACITOR	1608 J 15PF	C1608C0G1H 150J	7	C49.56.71.95.96.143,55
CHIP CAPACITOR	1608 K 153PF	C1608X7R1H 153K	2	C130.139
CHIP CAPACITOR	1608 J 18PF	C1608C0G1H 180J	3	C46.85.149
CHIP CAPACITOR	1608 K 183PF	C1608X7R1H 183K	1	C112
CHIP CAPACITOR	1608 J 20PF	C1608C0G1H 200J	4	C43.48.169.179
CHIP CAPACITOR	1608 J 22PF	C1608C0G1H 220J	2	C69,181
CHIP CAPACITOR	1608 J 220PF	C1608C0G1H 221J	3	C199.200.208
CHIP CAPACITOR	1608 K 222PF	C1608X7R1H 222K	3	C47.111.167
CHIP CAPACITOR	1608 K 223PF	C1608X7R1H 223K	6	C65.74.78.79.86.121
CHIP CAPACITOR	1608 K 224PF	C1608X7R1C 224K	2	C118.119
CHIP CAPACITOR	1608 J 24PF	C1608C0G1H 240J	6	C144.192,147,32,155,156
CHIP CAPACITOR	1608 J 27PF	C1608C0G1H 270J	4	C19.24.148,76
CHIP CAPACITOR	1608 K 273PF	C1608X7R1H 273K	2	C100,101

CHIP CAPACITOR	1608 J 30PF	C1608C0G1H 300J	1	C72
CHIP CAPACITOR	1608 J 33PF	C1608C0G1H 330J	3	C20.60.142
CHIP CAPACITOR	1608 K 332PF	C1608X7R1H 332K	2	C174.283
CHIP CAPACITOR	1608 K 333PF	C1608X7R1H 333K	1	C280
CHIP CAPACITOR	1608 J 39PF	C1608C0G1H 390J	1	C75
CHIP CAPACITOR	1608 J 47PF	C1608C0G1H 470J	7	C36.37.38.141.168.177.183
CHIP CAPACITOR	1608 K 470PF	C1608X7R1H 471K	11	C9.10.22.52.59.77.106.180.248.264,R132
CHIP CAPACITOR	1608 K 472PF	C1608X7R1H 472K	3	C57.98.131
CHIP CAPACITOR	1608 K 473PF	C1608X7R1H 473K	11	C66.73.91.102.105.115.123.234.251.41.160
CHIP CAPACITOR	2012 Z 475PF	C2012Y5V1C 475Z	6	C17.27.63.89.94.254
CHIP CAPACITOR	2012 Z 225PF	C2012Y5V1C 225Z	1	C90
CHIP CAPACITOR	1608 J 56PF	C1608C0G1H 560J	1	C178
CHIP CAPACITOR	1608 K 560PF	C1608X7R1H 561K	1	C108
CHIP CAPACITOR	1608 K 562PF	C1608X7R1H 562K	1	C282
CHIP CAPACITOR	1608 K 563PF	C1608X7R1H 563K	3	C99.110.220
CHIP CAPACITOR	1608 K 680PF	C1608X7R1H 681K	1	C209
CHIP CAPACITOR	1608 K 682PF	C1608X7R1H 682K	1	C214
CHIP CAPACITOR	1608 J 82PF	C1608C0G1H 820J	2	C16.215
CHIP TANTAL CAPACITOR	1uF-M/35V(A)	TSM1V105ASSR	2	C33.185
CHIP TANTAL CAPACITOR	10uF-M/10V(A)	10MCM106MATER	5	C97.129.138.172.263
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 3PF	TZY2Z030A001R00	2	TC2.3
COIL AIR	0.28-1.1-6TL	0.28-1.1-6TL(SMD)	2	L4.31
COIL AIR	0.3-1.1-2TL	0.3-1.1-2TL(SMD)	1	L30
COIL AIR	0.30-1.4-6TL	0.30-1.4-6TL(SMD)	1	L21
COIL AIR	0.4-2.4-6TL	0.4-2.4-6TL(SMD)	2	L10.11
COIL AIR	0.4-2.4-7TL	0.4-2.4-7TL(SMD)	1	L9
INDUCTOR	1608 K 1uH	LK1608-1R0K-T	3	L5.15.32
INDUCTOR	2520 J 1uH	LEM2520T-1R0J	1	L25
INDUCTOR	1608 J 22nH	HK1608-22NJ	3	L17.26.28
INDUCTOR	1608 K 2.2uH	LK1608-2R2K-T	2	L3.24
INDUCTOR	1608 J 47nH	HK1608-47NJ	2	L23.41

INDUCTOR	2520 K 47nH	LEM2520T-47NK	2	L18,L19
INDUCTOR	2520 K 56nH	LEM2520T-56NK	2	L6,L16
INDUCTOR	2520 K 68N	LEM2520T-68NK	1	L7
INDUCTOR	1608 100nH J	HK1608 R10J	4	L1,L22,L29,L39
INDUCTOR	1608 220nH J	HK1608 R22J	1	L2
INDUCTOR	2520 220nH K	LEM2520T-R22K	1	L27
INDUCTOR	1608 K 820NH	LK1608-R82K-T	1	L14
X-TAL UNIT	HC-49/LMD 4.194304Mhz	HC-49/LMD 4.194304Mh	1	XT2
VCTCXO	12.8 MHZ	VCTCXO 12.8MHZ (Hz)	1	FL701
CHIP RESISTOR	1608 J 0Ω	RMC1/16 0J TP	10	R35.73.128.138.139.245.C64.C120.LK3.LK4
CHIP RESISTOR	1W J 2512 0.1Ω	MCR100JZHJL R10	1	R34
CHIP RESISTOR	1608 J 10Ω	RMC1/16 100J TP	3	R133.213.305
CHIP RESISTOR	1608 J 100Ω	RMC1/16 101J TP	7	R2.7.17.68.99.167.291
CHIP RESISTOR	1608 J 1KΩ	RMC1/16 102J TP	9	R3.10.49.51.62.101.109.176.214
CHIP RESISTOR	1608 J 10KΩ	RMC1/16 103J TP	18	R26.44.45.102.118.119.122.123.126.131.196.197.198.201 .255.2127.231,C186
CHIP RESISTOR	1608 J 100KΩ	RMC1/16 104J TP	15	R16.21.47.61.66.83.84.86.140.142.159.181.222.283,97
CHIP RESISTOR	1608 J 1MΩ	RMC1/16 105J TP	1	R64
CHIP RESISTOR	1608 J 12KΩ	RMC1/16 123J TP	1	R95
CHIP RESISTOR	1608 J 120KΩ	RMC1/16 124J TP	3	R15.307.308
CHIP RESISTOR	1608 J 1.5KΩ	RMC1/16 152J TP	1	R188
CHIP RESISTOR	1608 J 15KΩ	RMC1/16 153J TP	6	R8.203.229.230.256.272
CHIP RESISTOR	1608 J 150KΩ	RMC1/16 154J TP	2	R37.85
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	R60,50
CHIP RESISTOR	1608 J 18KΩ	RMC1/16 183J TP	3	R63.104,C219
CHIP RESISTOR	1608 J 180KΩ	RMC1/16 184J TP	1	R48
CHIP RESISTOR	1608 J 20KΩ	RMC1/16 203J TP	2	R110.249
CHIP RESISTOR	1608 J 200KΩ	RMC1/16 204J TP	2	R65.135
CHIP RESISTOR	1608 J 220Ω	RMC1/16 221J TP	4	R11.25.33.289
CHIP RESISTOR	1608 J 2.2KΩ	RMC1/16 222J TP	4	R74.78.100.218
CHIP RESISTOR	1608 J 22KΩ	RMC1/16 223J TP	12	R12.39.40.120.124.171.180.200.239.242.300,254

CHIP RESISTOR	1608 D 220KΩ	RGC1/16 224D	2	R38.59.
CHIP RESISTOR	1608 J 220KΩ	RMC1/16 224J TP	3	R92.220.270
CHIP RESISTOR	1608 J 2KΩ	RMC1/16 222J TP	1	R6
CHIP RESISTOR	1608 J 2.4KΩ	RMC1/16 242J TP	1	R108
CHIP RESISTOR	1608 J 270Ω	RMC1/16 271J TP	1	R5
CHIP RESISTOR	1608 J 2.7KΩ	RMC1/16 272J TP	6	R27.71.96.29.168,79
CHIP RESISTOR	1608 J 27KΩ	RMC1/16 273J TP	2	R91.C104
CHIP RESISTOR	1608 J 270KΩ	RMC1/16 274J TP	1	R82.
CHIP RESISTOR	1608 J 300Ω	RMC1/16 301J TP	3	R58.160.162
CHIP RESISTOR	1608 J 3KΩ	RMC1/16 302J TP	1	R125
CHIP RESISTOR	1608 J 330Ω	RMC1/16 331J TP	1	R103
CHIP RESISTOR	1608 J 3.3KΩ	RMC1/16 332J TP	2	R20.28
CHIP RESISTOR	1608 J 33KΩ	RMC1/16 333J TP	5	R89.90.111.177.248
CHIP RESISTOR	1608 J 330KΩ	RMC1/16 334J TP	3	R106.130.136
CHIP RESISTOR	1608 J 3.6KΩ	RMC1/16 362J TP	1	R18
CHIP RESISTOR	1608 J 36KΩ	RMC1/16 363J TP	1	R157
CHIP RESISTOR	1608 J 39Ω	RMC1/16 390J TP	2	R244.217.
CHIP RESISTOR	1608 J 3.9KΩ	RMC1/16 392J TP	2	R77.107
CHIP RESISTOR	1608 J 39KΩ	RMC1/16 393J TP	4	R81.88.172.306
CHIP RESISTOR	1608 J 390KΩ	RMC1/16 394J TP	1	R185
CHIP RESISTOR	1608 J 47Ω	RMC1/16 470J TP	1	R143
CHIP RESISTOR	1608 J 470Ω	RMC1/16 471J TP	4	R9.112.113,4
CHIP RESISTOR	1608 J 4.7KΩ	RMC1/16 472J TP	9	R23.41.54.75.87.134.166.199.232
CHIP RESISTOR	1608 J 47KΩ	RMC1/16 473J TP	32	R32.36.57.69.70.114.116.117.186.187.189.190.191.192. 193.194.195.205.208.221.226.227.228.233.234.235.240. 241.250.251.252.304.
CHIP RESISTOR	1608 J 470KΩ	RMC1/16 474J TP	4	R72.173.206.253
CHIP RESISTOR	1608 J 4.7MΩ	RMC1/16 475J TP	5	R93.137.202.224.260
CHIP RESISTOR	1608 J 51KΩ	RMC1/16 513J TP	1	R67
CHIP RESISTOR	1608 J 510KΩ	RMC1/16 514J TP	1	R52
CHIP RESISTOR	1608 J 56KΩ	RMC1/16 563J TP	2	R1.158
CHIP RESISTOR	1608 J 62KΩ	RMC1/16 623J TP	2	R53.105
CHIP RESISTOR	1608 J 620KΩ	RMC1/16 624J TP	1	R76
CHIP RESISTOR	1608 J 6.8KΩ	RMC1/16 682J TP	1	R246

CHIP RESISTOR	1608 D 68K Ω	RGC1/16 683D	2	R94.98
CHIP RESISTOR	1608 J 680K Ω	RMC1/16 684J TP	1	R115
CHIP RESISTOR	1608 J 7.5K Ω	RMC1/16 752J TP	1	R46
CHIP RESISTOR	1608 J 8.2K Ω	RMC1/16 822J TP	5	R55.178.219.204,C103
CHIP RESISTOR	1608 J 820K Ω	RMC1/16 824J TP	1	R216
CHIP RESISTOR	1608 J 9.1K Ω	RMC1/16 912J TP	1	R247
CHIP RESISTOR	1608 J 91K Ω	RMC1/16 913J TP	1	R13
CHIP SEMI V.R	CHIP SEMI V.R 22 K Ω	TMC3KJ B22K TR	2	RV3.4
CHIP SEMI V.R	CHIP SEMI V.R 4.7 K Ω	TMC3KJ B4.7K TR	3	RV2.5.6
CHIP SEMI V.R	CHIP SEMI V.R 47 K Ω	TMC3KJ B47K TR	1	RV1
THERMISTOR	103K	TBP SIR103K440H5Q	1	RT1
MAIN PCB	PL-5161(VHF) MAIN REV.F	PL-5161 MAIN	1	PCB1
TACT SWITCH	DHT 1112A(SMD)	DHT 1112A(SMD)	2	SW2,3

PL 5161 VHF M/I PART LIST (REV. G)

PART TYPE	Value	Description	Qty	Reference Number
COMPLETE UNIT	REV.5	PL-5161 MIDLAND	0	
SET ASS'Y	REV.4	PL-5161	1	
MAIN PCB ASS'Y	REV.3	PL-5161	1	
LCD	GS-30253-AOA	GS-30253-AOA	1	LCD1
X-TAL UNIT	UM-4 44.645MHZ	UM-4 44.645MHZ	1	XT1
CERAMIC FILTER	LTM455FW	LTM455FW	1	CF1
CERAMIC FILTER	LTM455HTW	LTM455HTW	1	CF2
X-TAL FILTER	UM-4 45M15B(PAIR)	UM-4 45M15B	1	XF1,XF2
C-MIC	CMP-4546	CMP-4546	1	MIC
PHONE JACK	ST-5	ST-5	1	J1
(+)TAPPING SCREW	(B.H) 2.0X5-2S NI-PLATE		1	
CUSHION (TERMINAL)	RUBBER SPONGE T=1.5	PL	1	
CUSHION (SPK JACK)	FLUBBER 12X7XT=1 (BLACK)	PL SERIES	1	
BRACKET (TERMINAL)	PC HF-1023IS-K2261 (BLACK)	PL, MURS	1	
LCD REFLECTOR	ACRYL (CLEAR)	PL-5164	1	
RUBBER HOLDER (for X-tal) S	SILICONE RUBBER GRAY	PL, MURS	2	
ZEBRA	SN TYPE SILICONE 35X1.2X5.6	PL-5161/5164	1	
TERMINAL(+)	SUS 304 T=0.25	PL MURS	1	
LCD HOUSING	SUS T=0.3	PL-5164/5161	1	
PLATE (LCD HOUSING)	PVC 39 X 4 T=0.25 (BLACK)	PL-5161/5164	1	
MAIN PCB SMD ASS'Y	REV.3	PL-5161	1	
IC	MPU IC	TMP87PP24AF	1	IC4
FLEXIBLE PCB ASS'Y		PL-5161	1	
FLEXIBLE PCB	PL-5161/5164 FLEXIBLE PCB(NE	PL-4 FLEXIBL PCB	1	FLIXIBLE PCB
SWITCH VOLUME	RY-7293	TP76N17N15FA20K	1	SW4
CH SWITCH VOLUME	RY-6988	TP70QF4163	1	SW1
HEADER PIN CONNECTOR	1.27mm pitch dual row straight typ	F127-M-10DSG 1.5,2.0	1	