



**MOTOROLA**  
Ground Systems Division



**LMDS**  
Local Multipoint  
Distribution Service

## Exhibit 10 – Parts List

**Motorola Customer Premise Equipment (CPE)**

FCC ID: MIJZEPCPE-USB-01

Model No. LT 20M-00

### 10.0 Parts List

		ASSEMBLY #		ASSEMBLY NAME		
		01-P59220A		MILLIMETER WAVE CCA		
		This column includes the top level number for all parts within that assembly	This column has only the customer part number for each vendor	This column has the Vendor name that is requested on the AVL by the customer	This column has only the Vendor part number for each Vendor on the AVL. Customer "Global" Part numbers must be accompanied by cross-reference list.	
APPROV. STATUS	PO #	ASSEMBLY NUMBER	MOTOROLA PART NUMBER	VENDOR NAME	VENDOR PART NUMBER	SUBSTITUTE PART NUMBER
<b>THE FOLLOWING PARTS ARE INCORPORATED IN THE CURRENT DESIGN</b>						
N	8	01-P59XXX	84-P59XXX		84-P59221A	
N	PO533117	01-P59XXX	DD11/29		15-P59257A	
N		01-P59XXX			<b>DIN 912 A2 M3X12</b>	<b>M3-.5x12 SHCS S/S</b>
N		01-P59XXX			<b>DIN 433 PART1 A2 M3</b>	<b>M3 Flat Washer S/S</b>
N		01-P59XXX			<b>DIN 127B A2 M3</b>	<b>M3 Split L/W S/S</b>
N		01-P59XXX	Received	TRIQUINT	TGA1073A (DIE ONLY)	
N		01-P59XXX	Received	ALPHA	AA026P1-00 (DIE ONLY)	
N		01-P59XXX	Received	UMS	CHA2092a (DIE ONLY)	
N		01-P59XXX	Received	ALPHA	AA028N1-00 (DIE ONLY)	
	PO530098	01-P59XXX	Received 11/5(720)	ATC	ATC111SK101M100TT	
		01-P59XXX	Received	NOVACAP	0603B103K500PW	
		01-P59XXX	Received	Dielectric Lab	C06CF 2R4C 5SL	
	Z45137	01-P59XXX	Received 11/17(150)	AVX	0603YC104KA76A	
	PO528892	01-P59XXX	Received 10/22	AVNET	RM73X2BT6R2J	
	PO526807	01-P59XXX	DD1/10/00	KOASpeer	RM73X1JT510J	
		01-P59XXX	Received 10/14	AVNET	RM73X1JT181J	
		01-P59XXX	Received 10/8	AVNET	RM73X1JT331J	
		01-P59XXX	Rec'd 11/17	AVNET	RM73X1JT561J	
		01-P59XXX	Rec'd 11/17	AVNET	RM73X1JT821J	
		01-P59XXX	Rec'd 11/17	AVNET	RM73X1JT102J	
		01-P59XXX	Rec'd 11/3	TTI	RM73X1JT132J	
		01-P59XXX	Rec'd 11/8	KOA Speer	RM73X1JT182J	
		01-P59XXX	Received	ALPHA	DMK2790-000	

Figure 10.0-1 Millimeterwave CCA Parts List (1 of 1)

		ASSEMBLY #	ASSEMBLY NAME						
		01-P59XXX		MICROWAVE CCA					
		This column includes the top level number for all parts within that assembly	This column has only the customer part number for each vendor	This column has the Vendor name that is requested on the AVL by the customer	This column has only the Vendor part number for each Vendor on the AVL. Customer "Global" Part numbers must be accompanied by cross-reference list.	This column has the description specific to the vendor PN	This column contains component case size and package description	This column has the quantity required for each given customer PN per each sub assembly.	
APPROV. STATUS	LEAD TIME (WEEKS)	ASSEMBLY NUMBER	MOTOROLA PART NUMBER	VENDOR NAME	VENDOR PART NUMBER	PART DESCRIPTION	CASE SIZE AND PACKAGE	QTY PER ASSEMBLY	
N		01-P59230A	84-P59231A			PCB, MICROWAVE		1	
N		01-P59230A		KOA SPEER Electronics	RM73Z1JT	Resistor 0603, 0	0603 / TR	11	
N		01-P59230A		KOA SPEER Electronics	RM73B1JT180J	Resistor 0603, 18	0603 / TR	1	
N		01-P59230A		KOA SPEER Electronics	RM73B2AT200J	Resistor 0805, 20	0805 / TR	13	
N		01-P59230A			CRCW0603270JT	Resistor 0603, 27	0603 / TR	4	
N		01-P59230A		KOA SPEER Electronics	RM73B1JT330J	Resistor 0603, 33	0603 / TR	1	
N		01-P59230A		KOA SPEER Electronics	RM73B1JT360J	Resistor 0603, 36	0603 / TR	1	
N		01-P59230A		KOA SPEER Electronics	RM73B1JT510J	Resistor 0603, 51	0603 / TR	6	
N		01-P59230A		KOA SPEER Electronics	RM73B1JT181J	Resistor 0603, 180	0603 / TR	2	
N		01-P59230A		KOA SPEER Electronics	RM73B1JT301J	Resistor 0603, 300	0603 / TR	4	
N		01-P59230A		KOA SPEER Electronics	RM73B1JT152J	Resistor 0603, 1.5K	0603 / TR	1	
N		01-P59230A		KOA SPEER Electronics	RM73B1JT202J	Resistor 0603, 2K	0603 / TR	4	
N		01-P59230A		KOA SPEER Electronics	RM73B1JT332J	Resistor 0603, 3.3K	0603 / TR	4	
N		01-P59230A		KOA SPEER Electronics	RM73B1JT622J	Resistor 0603, 6.2K	0603 / TR	3	
N		01-P59230A		KOA SPEER Electronics	RM73B1JT103J	Resistor 0603, 10K	0603 / TR	25	
N		01-P59230A		KOA SPEER Electronics	RM73B1JT153J	Resistor 0603, 15K	0603 / TR	1	
N		01-P59230A		KOA SPEER Electronics	RK73H1JT1653F	Resistor 0603, 16.5K	0603 / TR	1	
N		01-P59230A		KOA SPEER Electronics	RM73B1JT203J	Resistor 0603, 20K	0603 / TR	1	
N		01-P59230A		KOA SPEER Electronics	RM73B1JT273J	Resistor 0603, 27K	0603 / TR	1	
N		01-P59230A		KOA SPEER Electronics	RM73B1JT303J	Resistor 0603, 30K	0603 / TR	1	
N		01-P59230A		KOA SPEER Electronics	RM73B1JT333J	Resistor 0603, 33K	0603 / TR	1	
N		01-P59230A		KOA SPEER Electronics	RM73B1JT623J	Resistor 0603, 62K	0603 / TR	1	
N		01-P59230A		KOA SPEER Electronics	RM73B1JT104J	Resistor 0603, 100K	0603 / TR	1	
N		01-P59230A		KOA SPEER Electronics	RM0603-RM0A-DNP	Resistor 0603, DNP	0603 / TR	8	
N		01-P59230A		TOKO	380LB-4R7K	Inductor, 4.7uH	1210	1	
N		01-P59230A		TOKO	LL2012-FR27K	Inductor, 270nH	805	1	
N		01-P59230A		ATC	ATC100A0R3JW150XC	Capacitor 0.3pF	A	1	

Figure 10.0-2 Microwave CCA Parts List (1 of 3)

N		01-P59230A		ATC	ATC100A1R6JW150XC	Capacitor 1.6pF	A	23
N		01-P59230A		ATC	ATC100A2R4JW150XC	Capacitor 2.4pF	A	11
N		01-P59230A		ATC	ATC100A9R1JW150XC	Capacitor 9.1pF	A	2
N		01-P59230A		ATC	ATC100A100JW150XC	Capacitor 10pF	A	3
N		01-P59230A		ATC	ATC100A330JW150XC	Capacitor 33pF	A	3
N		01-P59230A		ATC	ATC100A101JW150XC	Capacitor 100pF	A	2
N		01-P59230A		ATC	ATC700A121JW120XC	Capacitor 120pF	A	1
		01-P59230A	2113740A65	KEMET		Capacitor, 270pF	805	10
N		01-P59230A	2113741A31	KEMET	C0805C272J5RACTU	Capacitor, 2700pF	805	1
		01-P59230A	2113741A45			Capacitor, 0.01uF	805	9
N		01-P59230A	2311049A01	KEMET	T491A104K035AS	Capacitor, 0.1uF	A	2
N		01-P59230A	2311049A07	KEMET	T491A105K016AS	Capacitor, 1.0uF	A	15
N		01-P59230A	2311049A13	SPR	293D475X9010B2T	Capacitor, 4.7uF	B	7
N		01-P59230A	2311049A18	SPR	293D106X9016C2T	Capacitor, 10.0uF	C	4
		01-P59230A		KEMET	T494D336K016AS	Capacitor, 33uF 16v, ESR 0.250	D	8
		01-P59230A		AVX	TPSD336K020R0200	Capacitor, 33uF 20v, ESR 0.200	D	2
						Capacitor, DNP		
N		01-P59230A		Alpha	DME2830-232	Mixer Diode		2
N		01-P59230A		Stanford Micro	SNA286	Amplifier		12

Figure 10.0-3 Microwave CCA Parts List (2 of 3)

N		01-P59230A		Hewlett Packard	HMMC-3124	Frequency Divide by 4	SSOP-8	1
N		01-P59230A	51R09879E28	Motorola		Synthesizer	81 Ball Grid Array	1
N		01-P59230A		International Rect	IRLML6302	P Channel MOSFET	SOT-23	2
				Trak Ceramics, Inc	120401	DR 45 dielectric Resonator		1
				Trans-Tech	D4500-0325-135	Dielectric Resonator		1
				Trans-Tech	SPT-236-A-050	Dielectric Resonator Support		1
				Johannson	6926-13	Tuning Capacitor		1
				Nippon Electric Co.	NE662M04	Bipolar Transistor	M04	1
N		01-P59230A		Alpha	SMV2019-230	Varactor Diode		1
				Linear Technology	LT1529iQ	Voltage regulator	DD Pak	6
				Linear Technology	LT17613S5-BYP	Voltage regulator	SOT-23	1
				Toko	TK11245BUCB	Voltage Regulator	SOT-89	1
				Toko	TK11250BUCB	Voltage Regulator	SOT-89	1
				Maxim	MAX1683EUK-T	Voltage Doubler	SOT23-5	1
				Maxim	MAX840ESA	Neg. Voltage Charge Pump	SOIC8	1
				Motorola	MMBT2222ALT1	NPN Transistor	SOT-23	1
				Siliconix	SI6435DQ	P-Channel 30-V MOSFET	TSSOP-8	1
		01-P59230A		Analog Devices	OP284ES	OP AMP	8Pin SOIC	2
				Molex	52207-1490	FFC/FPC Connector		2
				AMP	2367-5001-54	SSMT miniature RF Coaxial_connector		3
<b>Previously used Parts</b>								
N		01-P59230A		KOA SPEER Electronics	RM73B1JT200J	Resistor 0603, 20	0603 / TR	0
N		01-P59230A		KOA SPEER Electronics	RM73B1JT1(174)	Resistor 0603, 174	0603 / TR	0
N		01-P59230A		KOA SPEER Electronics	RM73B1JT102J	Resistor 0603, 1.0K	0603 / TR	0
N		01-P59230A		KOA SPEER Electronics	RM73B1JT133J	Resistor 0603, 13K	0603 / TR	0
N		01-P59230A		ATC	ATC100A5R1JW150XC	Capacitor 5.1pF	A	0
N		01-P59230A		ATC	ATC100A221JW150XC	Capacitor 220pF	A	0
N		01-P59230A	2113741A21	KEMET	C0805C102J5RACTU	Capacitor, 1000pF	805	0
N		01-P59230A	2113741A43	KEMET	C0805C822J5RACTU	Capacitor, 8200pF	805	0
N		01-P59230A	2311049A09	KEMET	T491B225K020AS	Capacitor, 2.2uF	B	0
		01-P59230A	2113740A96	KEMET	293D336X9016C2T	Capacitor, 33uF	805	0
					T491D1071010A5	Capacitor, 100ufd 10v, Dpkg		0

Figure 10.0-4 Microwave CCA Parts List (3 of 3)

ASSEMBLY #	ASSEMBLY NAME								
<b>01-P59240A</b>	<b>TRANSLATOR CCA</b>								
This column includes the top level number for all parts within that assembly	This column has only the customer part number for each vendor	This column has the Vendor name that is requested on the AVL by the customer	This column has only the Vendor part number for each Vendor on the AVL. Customer "Global" Part numbers must be accompanied by cross-reference list.	This column has the description specific to the vendor PN	This column contains component case size and package description	This column has the quantity required for each given customer PN per each sub assembly.	This column has the projected piece part cost based on annual forecast quantities of 10,000 systems	This column defines the method of determining piece part cost	This column has the extended part cost based on number of parts per system
ASSEMBLY SUBCIRCUIT	MOTOROLA PART NUMBER	VENDOR NAME	VENDOR PART NUMBER	PART DESCRIPTION	CASE SIZE AND PACKAGE	QTY PER ASSEMBLY	PIECE PART COST	PART COST METHOD	EXTENDED COST
	0611079C21	(GLOBAL)		RES. 16.2, 1%, 0805	0805 / TR	2	\$ 0.01		\$0.02
	0611079C34	(GLOBAL)		RES. 22.1, 1%, 0805	0805 / TR	1	\$ 0.01		\$0.01
	0662057B47	(GLOBAL)		RES. 0, 5%, 0603	0603 / TR	28	\$ 0.01		\$0.28
		IRC	LRC-LR1206-01-R100	RES, 0.1, 5%, .5w, 1206	1206 / TR	1	\$ 0.03		\$0.03
	0662057P02	(GLOBAL)		RES, 15K, 1%, 0603	0603 / TR	2	\$ 0.01		\$0.02
	0662057P10	(GLOBAL)		RES. 10K, 1%, 0603	0603 / TR	90	\$ 0.01		\$0.90

Figure 10.0-5 Translator CCA Parts List (1 of 7)

	0662057P14	(GLOBAL)		RES. 12.1K, 1%, 0603	0603 / TR	1	\$	0.01	\$0.01
	0662057P18	(GLOBAL)		RES. 18.2K, 1%, 0603	0603 / TR	2	\$	0.01	\$0.02
	0662057P20	(GLOBAL)		RES, 20K, 1%, 0603	0603 / TR	1	\$	0.01	\$0.01
	0662057P22	(GLOBAL)		RES, 22.1K, 1%, 0603	0603 / TR	6	\$	0.01	\$0.06
	0662057P30	(GLOBAL)		RES, 30.1K, 1%, 0603	0603 / TR	4	\$	0.01	\$0.04
	0662057P49	(GLOBAL)		RES, 2.21K, 1%, 0603	0603 / TR	1	\$	0.01	\$0.01
	0662057P51	(GLOBAL)		RES. 51.1K, 1%, 0603	0603 / TR	1	\$	0.01	\$0.01
	0662057T77	(GLOBAL)		RES. 68.1K, 1%, 0603	0603 / TR	1	\$	0.01	\$0.01
	0662057P54	(GLOBAL)		RES. 2.55K, 1%, 0603	0603 / TR	1	\$	0.01	\$0.01
	0662057P61	(GLOBAL)		RES, 4.99K, 1%, 0603	0603 / TR	3	\$	0.01	\$0.03
	0662057P80	(GLOBAL)		RES. 82.5K, 1%, 0603	0603 / TR	1	\$	0.01	\$0.01
	0662057P88	(GLOBAL)		RES. 121K, 1%, 0603	0603 / TR	1	\$	0.01	\$0.01
	0662057P95	(GLOBAL)		RES. 100K, 1%, 0603	0603 / TR	5	\$	0.01	\$0.05
	0662057P99	(GLOBAL)		RES, 200K, 1%, 0603	0603 / TR	1	\$	0.01	\$0.01
	0662057T98	(GLOBAL)		RES. 1 MEG, 1%, 0603	0603 / TR	1	\$	0.01	\$0.01
	0662057T41	(GLOBAL)		RES. 10, 1%, 0603	0603 / TR	32	\$	0.01	\$0.32
	0662057Z45	(GLOBAL)		RES. 12.1, 1%, 0603	0603 / TR	4	\$	0.01	\$0.04
		KOA	RK73H1JTE16R2F	RES. 16.2, 1%, 0603	0603 / TR	7	\$	0.01	\$0.07
	0662057T42	(GLOBAL)		RES, 22.1, 1%, 0603	0603 / TR	6	\$	0.01	\$0.06
	0662057T43	(GLOBAL)		RES. 33.2, 1%, 0603	0603 / TR	8	\$	0.01	\$0.08
	0662057T44	(GLOBAL)		RES, 49.9, 1%, 0603	0603 / TR	5	\$	0.01	\$0.05
	0662057T45	(GLOBAL)		RES. 68.1, 1%, 0603	0603 / TR	5	\$	0.01	\$0.05
	0611077D81	(GLOBAL)		RES, 68.1, 1%, 1206, .125W	1206 / TR	5	\$	0.01	\$0.05
	0662057T46	(GLOBAL)		RES, 100, 1%, 0603	0603 / TR	14	\$	0.01	\$0.14
	0611077D97	(GLOBAL)		RES, 100, 1%, 1206, .125W	1206 / TR	1	\$	0.01	\$0.01

Figure 10.0-6 Translator CCA Parts List (2 of 7)

	0662057T48	(GLOBAL)		RES. 150, 1%, 0603	0603 / TR	9	\$ 0.01		\$0.09
	0662057T49	(GLOBAL)		RES. 221, 1%, 0603	0603 / TR	5	\$ 0.01		\$0.05
	0662057T51	(GLOBAL)		RES. 301, 1%, 0603	0603 / TR	1	\$ 0.01		\$0.01
	0662057T52	(GLOBAL)		RES. 332, 1%, 0603	0603 / TR	1	\$ 0.01		\$0.01
	0662057T53	(GLOBAL)		RES. 499, 1%, 0603	0603 / TR	1	\$ 0.01		\$0.01
	0662057T54	(GLOBAL)		RES. 562, 1%, 0603	0603 / TR	1	\$ 0.01		\$0.01
	0662057T59	(GLOBAL)		RES. 3.32K, 1%, 0603	0603 / TR	1	\$ 0.01		\$0.01
	0662057Z16	(GLOBAL)		RES. 3.92K, 1%, 0603	0603 / TR	2	\$ 0.01		\$0.02
	0662057T61	(GLOBAL)		RES. 7.5K, 1%, 0603	0603 / TR	1	\$ 0.01		\$0.01
	0662057T62	(GLOBAL)		RES. 8.25K, 1%, 0603	0603 / TR	1	\$ 0.01		\$0.01
	0662057T64	(GLOBAL)		RES. 47.5K, 1%, 0603	0603 / TR	2	\$ 0.01		\$0.02
	0662057T66	(GLOBAL)		RES. 1.4K, 1%, 0603	0603 / TR	1	\$ 0.01		\$0.01
	0662057T68	(GLOBAL)		RES. 1K, 1%, 0603	0603 / TR	28	\$ 0.01		\$0.28
	0662057T70	(GLOBAL)		RES. 40.2K, 1%, 0603	0603 / TR	1	\$ 0.01		\$0.01
	0662057T75	(GLOBAL)		RES. 2K, 1%, 0603	0603 / TR	11	\$ 0.01		\$0.11
	0662057T98	(GLOBAL)		RES. 1 MEG, 1%, 0603	0603 / TR	2	\$ 0.01		\$0.02
		KOA	RM73B2BTE1R0J	RES. 1, 5%, .25W	1206 / TR	1	\$ 0.04		\$0.04
		KOA	RM73B2ETE1R2J	RES. 1.2, 5%, .33W	1210 / TR	4	\$ 0.04		\$0.16
		KOA	RM73B2BTE2R4J	RES. 2.4, 5%, .25W	1206 / TR	1	\$ 0.04		\$0.04
	2113740A05	(GLOBAL)		CAP. CER 1.2PF, 50v,+/- .25PF, 0805	0805 / TR	1	\$ 0.02		\$0.02
	2113740A29	(GLOBAL)		CAP. CER 10PF, 5%, 50V,0805	0805 / TR	5	\$ 0.02		\$0.10
	2113740A37	(GLOBAL)		CAP. CER 22PF, 50v, 5%, 0805	0805 / TR	3	\$ 0.02		\$0.06
	2113740A38	(GLOBAL)	C0805C240J5GACTU	CAP. CER 24PF, 50v, 5%, 0805	0805 / TR	1	\$ 0.02		\$0.02
	2113740A41	(GLOBAL)		CAP. CER 33PF, 50v, 5%, 0805	0805 / TR	17	\$ 0.02		\$0.34
	2113740A46	(GLOBAL)		CAP, CER, 47PF, 50v, 5%, 0805	0805 / TR	3	\$ 0.02	EST	\$0.06
	2113740A49	(GLOBAL)		CAP, CER, 56PF, 50v, 5%, 0806	0805 / TR	4	\$ 0.02	EST	\$0.08
	2113740A53	(GLOBAL)		CAP, CER, 82PF, 50v, 5%, 0805	0805 / TR	1	\$ 0.02		\$0.02
	2113740A55	(GLOBAL)		CAP, CER, 100PF, 50v, 5%, 0805	0805 / TR	39	\$ 0.02		\$0.78

Figure 10.0-7 Translator CCA Parts List (3 of 7)



	2113740A59	(GLOBAL)		CAP, CER, 150PF, 50v, 5%, 0805	0805 / TR	3	\$ 0.02		\$0.06
	2113740A65	(GLOBAL)		CAP, CER, 270PF, 50v, 5%, 0805	0805 / TR	2	\$ 0.02		\$0.04
	2113740A71	(GLOBAL)		CAP, CER, 470PF, 50v, 5%, 0805	0805 / TR	5	\$ 0.02		\$0.10
	2113740A73	(GLOBAL)	C0805C561J5GACTU	CAP, CER, 560PF, 50v, 5%, 0805	0805 / TR	2	\$ 0.02		\$0.04
	2113740A77	(GLOBAL)		CAP, CER, 820PF, 50v, 5%, 0805	0805 / TR	1	\$ 0.02		\$0.02
	2113741F25	(GLOBAL)		CAP. CER 1000PF, 5%, 50V, 0603	0603 / TR	69	\$ 0.02		\$1.38
	2113740A84	(GLOBAL)		CAP. CER 1800PF, 5%, 50V, 0805	0805 / TR	1	\$ 0.02		\$0.02
	2113740B84	(GLOBAL)		CAP. CER 3300PF, 5%, 50V, 1206	1206 / TR	3	\$ 0.02		\$0.06
	2113741A41	(GLOBAL)		CAP. CER 6800PF, 5%, 50V, 0805	0805 / TR	1	\$ 0.02		\$0.02
	2113740L04	(GLOBAL)	GRM39COG2R7B050AJ	CAP. CER, 2.7PF ± .1PF, 50V, 0603	0603 / TR	2	\$ 1.02		\$2.04
	2113740L11	(GLOBAL)	GRM39COG5R1B050AD	CAP. CER, 5.1PF ± .1PF, 50V, 0603	0603 / TR	2	\$ 0.02		\$0.04
	2113740L10	(GLOBAL)	GRM39COG4R7B050AD	CAP. CER, 4.7PF ± .1PF, 50V, 0603	0603 / TR	2	\$ 0.02		\$0.04
	2113740L13	(GLOBAL)	GRM39COG6R2B050AJ	CAP. CER, 6.2PF ± .1PF, 50V, 0603	0603 / TR	1	\$ 0.02		\$0.02
	2113740R33	(GLOBAL)		CAP, CER, 15PF, 100v, 5%, 0805	0805 / TR	3	\$ 0.02		\$0.06
	2113740R37	(GLOBAL)		CAP, CER, 22PF, 100v, 5%, 0805	0805 / TR	1	\$ 0.02		\$0.02
	2113740R67	(GLOBAL)		CAP, CER, 330PF, 100v, 5%, 0805	0805 / TR	36	\$ 0.02		\$0.72
	2113741A33	(GLOBAL)		CAP. CER 3300PF, 50v, 5%, 0805	0805 / TR	2	\$ 0.01		\$0.02
	2113741M69	(GLOBAL)		CAP. CER, 0.1 UF, 10%, 50V, 0805	0805 / TR	45	\$ 0.10		\$4.50
	2113741T69	(GLOBAL)	VJ1206Y104KXBMT	CAP. CER, 0.1 UF, 10%, 100V, 1206	1206 / TR	1	\$ 0.10		\$0.10
	2113741S45	(GLOBAL)		CAP, CER, .01UF, 100v, 5%, 0805	0805 / TR	3	\$ 0.02		\$0.06

Figure 10.0-8 Translator CCA Parts List (4 of 7)

	2113741F49	(GLOBAL)		CAP, CER, .01UF, 50v, 5%, 0603	0603 / TR	24	\$	0.02		\$0.48
	2113741W01	(GLOBAL)		CAP. CER 1 UF, 10%, 25V, 1210	1210	4				
		AVX/KYOCERA	SM045C475KAJ250	CAP. CER 4.7 UF, 10%, 50V, 2225	SPEC	2	\$	2.00		\$4.00
	2311049A07	(GLOBAL)		CAP. TANT, 1 UF, 10%, 16V, A	A	14	\$	0.06		\$0.84
	2311049A18	(GLOBAL)		CAP, TANT, 10UF, 10%, 16V, C	C	25	\$	0.10		\$2.50
	2311049C08	(GLOBAL)	T491X336K025AS-X	CAP, TANT, 33UF, 10%, 20V, D, LOW ESR	D	1	\$	0.12		\$0.12
		ITW/PAKTRON	106K100CB4G	CAP, FILM, 10UF, 100v, 10%		1	\$	5.98	EST	\$5.98
	2462587B03	(GLOBAL)		INDUCTOR, 15UH, 5%	STYLE B	1	\$	0.10		\$0.10
	2462587M29	(GLOBAL)		INDUCTOR, 8200NH, 5%	STYLE F	2	\$	0.10		\$0.20
	2413926M01	(GLOBAL)		INDUCTOR, 1NH, +/- .2NH, STYLE B	SPEC / TR	1	\$	0.10		\$0.10
	2413926M05	(GLOBAL)		INDUCTOR, 2.2 NH, +/- .2NH, STYLE B	STYLE B	2	\$	0.10		\$0.20
	2413926M07	(GLOBAL)		INDUCTOR, 3.3 NH, +/- .2NH, STYLE B	STYLE B	1	\$	0.10		\$0.10
		COILCRAFT	0603CS-11NXGBC	INDUCTOR, 11NH, 2%	TR	1	\$	0.08		\$0.08
	2462587N44	(GLOBAL)		INDUCTOR, 18 NH, 5%, STYLE C	C	1	\$	0.08		\$0.08
	2462587N46	(GLOBAL)		INDUCTOR, 27 NH, 5%, STYLE C	C	1	\$	0.08		\$0.08
	2462587N47	(GLOBAL)		INDUCTOR, 33NH, 5%, STYLE C	C	1	\$	0.08		\$0.08
	2462587N52	(GLOBAL)		INDUCTOR, 82NH, 5%, STYLE C	C	2	\$	0.08		\$0.16
	2462587N55	(GLOBAL)		INDUCTOR, 150NH, 5%, STYLE C	C	10	\$	0.08		\$0.80
	2462587N58	(GLOBAL)		INDUCTOR, 270NH, 5%, C	C	1	\$	0.08		\$0.08
	2462587N53	(GLOBAL)		INDUCTOR, 100 NH, 5%, STYLE C	C	2	\$	0.08		\$0.16
	2462587N59	(GLOBAL)		INDUCTOR, 330 NH, 5%, STYLE C	C	1	\$	0.08		\$0.08
	2462587N60	(GLOBAL)		INDUCTOR, 390NH, 5%, STYLE C	C	2	\$	0.08		\$0.16
	2462587N61	(GLOBAL)		INDUCTOR, 470NH, 5%, STYLE C	C	1	\$	0.08		\$0.08
	2462587N64	(GLOBAL)		INDUCTOR, 680NH, 5%, STYLE C	C	1	\$	0.08		\$0.08
	2462587N66	(GLOBAL)		INDUCTOR, 820NH, 5%, STYLE C	C	4	\$	0.08		\$0.32
	2462587N71	(GLOBAL)		INDUCTOR, 1.8UH, 5%, STYLE C	C	4	\$	0.08		\$0.32
	2462587U13	(GLOBAL)		INDUCTOR, 10UH, 5%, STYLE L	L	1	\$	0.08		\$0.08
	4813824A10	(GLOBAL)	MMBT3904LT1	TRANSISTOR, NPN		2	\$	0.20		\$0.40
	4813824A21	(GLOBAL)	MMBT2907ALT1	TRANSISTOR, PNP		4	\$	0.08		\$0.32
	4813825A14	MOTOROLA	MMBV809LT1	DIODE, TUNING		1	\$	0.10		\$0.10
	4813827A49	MOTOROLA	MRF947T1	RF TRANSISTOR, MRF947T1		3	\$	0.25		\$0.75
	4813824A11	GLOBAL	MMBT2222ALT1	TRANSISTOR, NPN	SOT-23	1	\$	0.10		\$0.10
	4813832C28	MOTOROLA	MMBZ15VDLT1	DIODE ASSY,	SOT-23	1	\$	0.10		\$0.10
	4813833B09	GLOBAL	MBRS130LT3	RECTIFIER, SCHOTTKY, 30V	SMB	2	\$	0.15		\$0.30
	4813833B27	GLOBAL	MURS360T3	DIODE, POWER, 600V, 3A, SM	SMC	1	\$	0.28		\$0.28

Figure 10.0-9 Translator CCA Parts List (5 of 7)

	4813833B19	MOTOROLA	BAT54LT1	DIODE, SCHOTTKY,	SOT-23	3	\$	0.05		\$0.15
	5109781E72	MAXIM	MAX4514EUK-T	ANALOG SWITCH	SOT-23-5	1	\$	1.25		\$1.25
	5113808A05	MOTOROLA	74HC04DR2	HEX INVERTER, 74HC04DR2		1	\$	0.10		\$0.10
	5113808A07	MOTOROLA	74HC08DR2	QUAD 2 INPUT AND, 74HC08DR2		3	\$	0.10		\$0.30
		(GLOBAL)	74HC10DR2	3 INPUT NAND GATE		3	\$	0.18		\$0.54
	5113808A19	(GLOBAL)	74AC109DR2	DUAL JK F/F		3	\$	0.25		\$0.75
	5113808A20	MOTOROLA	MC74AC138DR2	3:8 DECODER/DEMUX, MC74AC138DR2		1	\$	0.25		\$0.25
	5113808A38	MOTOROLA	MC74AC244DWR2	3 STATE BUFFER, MC74AC244DWR2		1	\$	0.20		\$0.20
	5113812A25	(GLOBAL)	MC145220DTR2	DUAL SYNTHES IC, MC145220DTR2		1	\$	2.68		\$2.68
	5113812A26	MOTOROLA	MC145170D2R2	SYNTHES IC, MC145170D2R2		1	\$	2.68		\$2.68
	5113820A02	(GLOBAL)	LM2903	COMPARATOR, DUAL		1	\$	0.86		\$0.86
	5142733U03	MOTOROLA	MC68336GMFT20	MPU, -40C TO +125C, MC68336GMFT20		1	\$	8.30		\$8.30
	84-P46241F	TBD		PWB, TRANSLATOR ASSEMBLY		1	\$	23.00		\$23.00
		COILCRAFT	1812SMS-82NJ	PS FILTER INDUCTOR, 82NH, 5%.		2	\$	0.40	EST	\$0.80
		TOSHIBA	1SV229TPH3	DIODE TUNING, 1SV229, TAPE/REEL		1	\$	0.11		\$0.11
		TOSHIBA	1SV239TPH3	DIODE TUNING, 1SV239, TAPE/REEL		1	\$	0.11		\$0.11
		AMP	2367-5001-54	CONNECTOR, MINIATURE RF SSMT, REEL		5	\$	1.00		\$5.00
		HIROSE	CL331-0522-9-10	CONNECTOR, MINIATURE COAX, REEL		1	\$	1.00	EST	\$1.00
		MOLEX	52207-1490	CONNECTOR, RIBBON CABLE, 14 POS		2	\$	0.80		\$1.60
		SGS-THOMP.	74V1G04S-TR	SINGLE INV., TAPE/REEL		9	\$	0.15		\$1.35
		SGS-THOMP.	74V1G32S-TR	SINGLE OR GATE, TAPE/REEL		2	\$	0.15		\$0.30
		HUBER-SUHNER	82 MCX-S75-0-2	CONNECTOR, SM, 75 OHM		1	\$	4.00		\$4.00
		ASTECH	AS7406	POWER CONV MODULE, 25 WATT		1	\$	35.00		\$35.00
		ANALOG DEV	AD7304BR	D/A CONVERTER (AGC)		1	\$	3.21		\$3.21
		MINI-CIRCUITS	ADE-12-TR	MIXER, TAPE/REEL	TR	1	\$	2.95		\$2.95
		ADVANCED MICR	AM29F800BB-90 SI	MEMORY, FLASH		1	\$	4.00		\$4.00
	5182099T08	MACOM	AT-109TR	ATTEN., PIN DIODE, SOIC-8, TAPE/REEL	SOIC-8 / TR	4	\$	4.50		\$18.00
		CP CLARE	CG2145LSTR	SURGE ARRESTER		1	\$	1.25		\$1.25
		COILCRAFT	DS3316P-103-TR	PS FILTER INDUCTOR, 10UH, 20%	.51 X .37	1	\$	0.75		\$0.75
		COILCRAFT	DS3316P-333-TR	PS FILTER INDUCTOR, 33UH, 20%	.51 X .38	1	\$	0.75		\$0.75
		COILCRAFT	DS3316P-102-TR	PS FILTER INDUCTOR, 1UH, 20%	.51 X .37	1	\$	0.75		\$0.75
		SAMSUNG	KM6164002AIJ20	SRAM MEMORY		1	\$	4.75		\$4.75
		NATIONAL	LM74CIM-5	TEMP SENSOR, SOIC-TR	SOIC - TR	1	\$	0.80		\$0.80
		NATIONAL	LMC7101BIM5X	OPERATIONAL AMPLIFIER, SINGLE		3	\$	0.40		\$1.20
		MOTOROLA	1.5SMC75AT3	DIODE, TRANS. SUPPRESS	SMC	2	\$	0.13		\$0.26
		LINEAR TECH	LT1529IQ-5#TR	5V REGULATOR, TAPE/REEL	TR	1	\$	3.70		\$3.70
		MAXIM	MAX6314US46D3-T	POWER CONTROL, 4.63V, 140MS		1	\$	0.50		\$0.50
		MOTOROLA	MC12210DR2	SYNTHESIZER		1	\$	4.41		\$4.41
		MOTOROLA	MC13158FTB-TR	FM DEMODULATOR IC, TAPE/ REEL		1	\$	3.07		\$3.07
		M-TRON	MTCVO51-25MHZ	VOLTAGE CONTROLLED OSC, 25MHz		1	\$	5.00		\$5.00
		PTI	PTI8629	5 POLE 200MHZ FILTER 25MHZ BW	1.0x0.5	1	\$	10.00		\$10.00
		MINI-CIRCUITS	SCM-1NL	MIXER, TAPE/REEL	TR	1	\$	3.50		\$3.50
		STANFORD MIC.	SNA-286-TR2	MONOLITHIC AMPLIF, TAPE/REEL	TR	3	\$	1.25		\$3.75

Figure 10.0-10 Translator CCA Parts List (6 of 7)

		STANFORD MIC.	SNA-386-TR2	MONOLITHIC AMPLIF, TAPE/REEL	TR	1	\$ 2.25		\$2.25
		TOKO	TK11250BUCB	5V REGULATOR, SOT89		10	\$ 1.10		\$11.00
		SAMTEC	TSM-103-01-L-DV-TR	6 PIN TEST HEADER		1	\$ 0.10		\$0.10
		SAMTEC	TSM-105-01-L-DV-P-TR	10 PIN TEST HEADER		1	\$ 0.30		\$0.30
		TRANS-TECH	TT2P5-0532P-7540	532MHZ FILTER	1" X 0.5"	1	\$ 6.75		\$6.75
		SAWTEK	855778	SAW FILTER, 496.5MHZ	SPEC	1	\$ 4.00	EST	\$4.00
		TRANS-TECH	TT2P6-0757P-7540	757MHZ FILTER	1" X 0.5"	1	\$ 6.75		\$6.75
		NEC	UPC2710TB-E3	AMPLIF(AGC), TAPE/REEL		4	\$ 0.87		\$3.48
	4813821A36	GLOBAL	MTD3055VLT4	PWR MOSFET, 12A	DPAK	1	\$ 0.13		\$0.13
		UNITRODE	UCC2803D-T	CURRENT MODE CONTROLLER		1	\$ 2.00		\$2.00
	0611079C61	(GLOBAL)		RES. 42.2, 1%, 0805	0805 / TR	1	\$ 0.01		\$0.01
	0662057Z46	(GLOBAL)		RES. 26.7, 1%, 0603	0603 / TR	1	\$ 0.01		\$0.01
	2113743A27	(GLOBAL)		CAP. CER. .47UF, 16V, 10%, 0805	0805/TR	1	\$ 0.01		\$0.01
	26-P59246A001	MOTOROLA		SHIELD, U/S AGC		1			
	26-P59246A002	MOTOROLA		SHIELD, U/S , 2ND MIXER/AMPL		1			
	26-P59246A003	MOTOROLA		SHIELD, DUAL SYNTHESIZER		1			
	26-P59246A004	MOTOROLA		SHIELD, U/S, 1ST MIXER/AMPL		1			
	26-P59246A005	MOTOROLA		SHIELD, DIVIDE BY 5 COUNTERS		1			
	26-P59246A006	MOTOROLA		SHIELD, ON-OFF KEY CKT		1			
	26-P59246A008	MOTOROLA		SHIELD, D/S, 1ST AGC		1			
	26-P59246A009	MOTOROLA		SHIELD, 25 MHZ OSC		1			
	26-P59246A011	MOTOROLA		SHIELD, D/S, 2ND AGC		1			
	26-P59246A012	MOTOROLA		SHIELD, FM DEMODUL		1			
	26-P59246A013	MOTOROLA		SHIELD, 25MHZ FILTER/AMPL		1			
	2462587N43	(GLOBAL)		INDUCTOR, 15 NH, 5%, STYLE C	C	1	\$ 0.08		\$0.08
	2113740A09	(GLOBAL)		CAP. CER 1.8PF, 50v,+/- .25PF, 0805	0805 / TR	1	\$ 0.02		\$0.02
	0662057B66	(GLOBAL)	Substitute RM73B1J5R6JT or CRCW06035R6JT	RES. 5.6, 5%, 0603	0603 / TR	8	\$ 0.01		\$0.08
				DNP, RESISTOR		19			
				DNP, INDUCTOR		1			
				DNP, CAPACITOR		12			
				DNP, IC		1			

Figure 10.0-11 Translator CCA Parts List (7 of 7)