

SIDEBAND CONVERTER

MODEL

LFCA-1

REV

B

TITLE

USED ON
MODEL SECTION

LIST SECTIONS

- 1.SUPPORTING NOTES
- 2.SUPPORTING LISTS
- 3.ELECTRICAL/MECHANICAL
- 4.SUPP ASSY/REF DWGS
- 5.SPECIFICATIONS
- 6.LOOSE ITEMS
- 7.PARTS PECULIAR
100 SERIES

SHEET NO.

- SEE BELOW
- 1
 - 2-11
 - 12
 - 13
 - 14
- NONE REQ

LAST SYMBOLS

C107	M102	XK101	Z701
CR104	Q103	XQ103	Z801
DS103	R107	Z101	
E101	S105	Z201	
F103	T102	Z302	
J115	XDS103	Z402	
K101	XF103	Z601	

COMPILED	J.SABATINO
CHECKED	L.GABEL 1-19-65
APPROVED	O.POSE <i>[Signature]</i>
FNL APPR	<i>L. Gabel</i>
ISS DATE	1-26-65

MISSING SYMBOLS

C106

NOTE 1. THE FOLLOWING SYMBOL, #, IN THE REMARKS COLUMN INDICATES THAT THE PART NUMBER IMMEDIATELY FOLLOWING IT IS THE TMC PROPRIETARY MANUFACTURING DRAWING FOR THE CORRESPONDING NUMBER IN THE PART NUMBER COLUMN.

NOTE 2. J115 PART OF TEST CARD ASSY AND DOES NOT APPEAR ON CK1248

NOTE 3. ALL ITEMS REFERENCED TO THIS NOTE SHALL BE OMITTED WHEN THIS UNIT IS USED AS PART OF A SYSTEM.

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PART NO.	DESCRIPTION SUPPORTING LISTS	ITEM LOCATION			QTY. PER UNIT	REFERENCE SYMBOLS	REMARKS
		USED ON ASSEMBLY	USED TO MOUNT	QTY. PER USED TO MOUNT			
A3718-1	PROD.DET MODL	A2896			1	Z401	
A3718-2	PROD.DET MODL	A2896			1	Z402	
A3719	CARR FIL MODL	A2896			1	Z601	
A3720	LINE AMPL MODL	A2896			2	Z301,302	
A3721	PHASE DET MODL	A2896			1	Z701	
A3722	AF AMPL MODL	A2896			1	Z201	
A3723	XTAL OSC MODL	A2896			1	Z801	

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PART NO.	DESCRIPTION ELECTRICAL/MECHANICAL	ITEM LOCATION			QTY. PER UNIT	REFERENCE SYMBOLS	REMARKS
		USED ON ASSEMBLY	USED TO MOUNT	QTY. PER USED TO MOUNT			
BI101-1819 BS100	LAMP, INCAND SOLDER, TIN ALY	A3897 A3735 A3996 CA922			3	DS101, 102, 103	
CC100-28	CAP., FXD, CER	A3735			1	C102	
CD101-1MW	CD, NYLON, LACING	CA922					
CE105-50-15	CAP., FXD, ELECT.	A3735			2	C103, 105	
CE105-200-15	CAP., FXD, ELECT.	A3735			2	C101, 107	
CE112-2N	CAP., FXD, ELECT.	A3895			1	C104	
CU102-4	CLAMP, LOOP-5/16	CA922			1		
CU133-2	CLIP, SPRING TENS	A3735			2		
CU133-3	CLIP, SPRING TENS	A3735			1		
CU139-2B	FRL, HDL	A3897			4		
CU145A1	RET., CAP.	A3895			1		
CU157-2	RET., PC BD	MS3930 MS3936		13 1X2	15		
CU157-3	RET., PC BD	MS3929			13		
EY100-1	EYELET, MTL	MS3932-2			4		
EY101-3	EYELET, MTL	MS3929 MS3930 MS3936 PC136-3		26 26 2X2 8	64		
EY102-5	GROM, RUB., 5/16D	CA922			1		

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		USED ON ASSEMBLY	USED TO MOUNT	QTY. PER USED TO MOUNT			
EY102-7	GROM, RUB. , 1/2D	CA922			1		
EY102-8	GROM, RUB. , 5/8D	CA922			1		
EY102-14	GROM, RUB. , 3/8D	CA922			3		
FH103	FUSEHOLDER	A2895			3	XF101, 102, 103	
FS102-1	LOCKSPRING	A2892		2			
		A2893		4			
		A2894		4			
		A2895		2	12		
FS109-3	RING, RETAINING	MS 3939		5			
		MS 3949		7	12		
FS110-1	STUD, TURNLOCK	MS 3939		5			
		MS 3949		7	12		
FU102-1	FUSE, CTG, 1A	A2895			2	F102, 103	
FU102-.5	FUSE, CTG, 1/2A	A2895			1	F101	
FW06HBN	WASH. , FLAT	A2897		1			
		A3895		2	3		
HA102-11BN	HDL, BOW	A3897			2		
JJ034	JACK, TEL	A3897			1	J101	
JJ319-15STD	CONN, RECP, FML	A3735		4		J102, 103, 104, 105	
		A3735		4		J106, 107, 108, 109	
		A3996		1	9	J115	
KY104-2	KEY, POLARIZING	A3735			8		

THE TECHNICAL MATERIEL CORPORATION

MAMARONECK, NEW YORK

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PART NO.	DESCRIPTION ELECTRICAL/MECHANICAL	ITEM LOCATION			QTY. PER UNIT	REFERENCE SYMBOLS	REMARKS
		USED ON ASSEMBLY	USED TO MOUNT	QTY. PER USED TO MOUNT			
LA101	BAND, MKR-NO. 43	CA922		2			
	NO. 44	CA922		2			
	NO. 45	CA922		2			
	NO. 46	CA922		2			
	NO. 54	CA922		2			
	NO. 55	CA922		2			
	NO. 58	CA922		2			
	NO. 59	CA922		2			
	NO. 60	CA922		2			
	NO. 61	CA922		2			
	NO. 62	CA922		2			
	NO. 63	CA922		2			
	NO. 64	CA922		2	26		
LD1571/MS3937	CHAS, AF	A3893			1		
LD1572/MS3934	PL, MTG, XFMR	A3894			1		
LD1573/MS3935	PL, REAR	A2895			1		
LD1574/MS3952	PNL, FRONT	A3897			1		
LD1575/MS3933	PL, MTG, CAP. /REL	A3895			1		
LD1576/MS3929	SPT, MODL, REAR	A2897			1		
LD1576/MS3929	SPT, MODL, REAR	A3897			1		
LWC20/7/U1	WIRE, ELEC, INS	CA922			32		
LWC20/7/U9	WIRE, ELEC, INS	CA922			23		
LWC20/7/U90	WIRE, ELEC, INS	CA922			23		
LWC20/7/U91	WIRE, ELEC, INS	CA922			22		

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PART NO.	DESCRIPTION ELECTRICAL/MECHANICAL	ITEM LOCATION			QTY. PER UNIT	REFERENCE SYMBOLS	REMARKS
		USED ON ASSEMBLY	USED TO MOUNT	QTY. PER USED TO MOUNT			
LWC24/7/U0	WIRE ,ELEC ,INS	CA922			60		
LWC26/7/U1	WIRE ,ELEC ,INS	CA922			27		
LWC26/7/U2	WIRE ,ELEC ,INS	CA922			84		
LWC26/7/U3	WIRE ,ELEC ,INS	CA922			93		
LWC26/7/U4	WIRE ,ELEC ,INS	CA922			79		
LWC26/7/U5	WIRE ,ELEC ,INS	CA922			36		
LWC26/7/U6	WIRE ,ELEC ,INS	CA922			38		
LWC26/7/U7	WIRE ,ELEC ,INS	CA922			65		
LWC26/7/U9	WIRE ,ELEC ,INS	CA922			63		
LWC26/7/U90	WIRE ,ELEC ,INS	CA922			34		
LWC26/7/U91	WIRE ,ELEC ,INS	CA922			25		
LWC26/7/U92	WIRE ,ELEC ,INS	CA922			19		
LWC26/7/U93	WIRE ,ELEC ,INS	CA922			59		
LWC26/7/U94	WIRE ,ELEC ,INS	CA922			65		
LWC26/7/U95	WIRE ,ELEC ,INS	CA922			74		

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PART NO.	DESCRIPTION ELECTRICAL/MECHANICAL	ITEM LOCATION			QTY. PER UNIT	REFERENCE SYMBOLS	REMARKS
		USED ON ASSEMBLY	USED TO MOUNT	QTY. PER USED TO MOUNT			
LWC26/7/U96	WIRE ,ELEC, INS	CA922			40		
LWC26/7/U97	WIRE ,ELEC, INS	CA922			50		
LWC26/7/U98	WIRE ,ELEC, INS	CA922			47		
LWE04MRN	WASH. ,LK, EXT	A2895		10			
		A3893		4	14		
LWE06MRN	WASH. ,LK, EXT	A2895		4			
		A2897		53			
		A3892		4			
		A3893		6			
		A3894		4			
		A3895		5	76		
LWS02MRN	WASH. ,LK, SPLIT	A3893			6		
LWS03MRN	WASH. ,LK, SPLIT	A2892		4			
		A2893		8			
		A2894		8			
		A2895		4	24		
MP123-3FB	KNOB	A3897			4		
MR180	METER	A3897			1	M101	
MR186	METER, AUDIO LVL	A3897			1	M102	
MS154-1	PL, MTG, TERM. BD	A2895			2		
MS3102A14S1P	CONN, RECP, ML-3/C	A2895			1	J113	3/0

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PART NO.	DESCRIPTION ELECTRICAL/MECHANICAL	ITEM LOCATION			QTY. PER UNIT	REFERENCE SYMBOLS	REMARKS
		USED ON ASSEMBLY	USED TO MOUNT	QTY. PER USED TO MOUNT			
MS3102A14S2P	CONN, RECP, ML -4/C	A2895			1	J114	
MS3928	PL, SD, RIGHT	A2894			1		
MS3929	SPT, MODL, REAR	LD1576			1		
MS3930	SPT, MODL, FR	A2892			1		
MS3931	SPT/SHLD, PC BD	A2897			2		
MS3932-1	SHLD, PC BD	A2897			4		
MS3932-2	SHLD, PC BD	A2897			1		
MS3933	PL, MTG, CAP. /REL	LD1575			1		
MS3934	PL, MTG, XFMR	LD1572			1		
MS3935	PL, REAR	LD1573			1		
MS3936	BRKT, MTG, PC BD	A2895			2		
MS3937	CHAS, AF	LD1571			1		
MS3938	PL, SD, LEFT	A2893			1		
MS3939	COV, BOT	A2896			1		
MS3949	COV, TOP	A2896			1		
MS3952	PNL, FRONT	LD1574			1		
MS3991	BRKT, MTG, PC BD	A3897			1		
MS3992	BRKT, MTG, PC BD	A3897			1		
MS4246	SHLD, RF	MS3932-2			1		
MWC22/7/UO	WIRE, ELEC, INS	CA922			75		
NP102-78	PLATE, IDENT	A3897			1		

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		USED ON ASSEMBLY	USED TO MOUNT	QTY. PER USED TO MOUNT			
NT129-632-4	NUT, PLN, SPLINE	MS3894		4			
		MS3928		4			
		MS3931		4X2			
		MS3933		4			
		MS3934		4			
		MS3936		2X2			
		MS3937		4			
		MS3938		4			
		MS3991		2			
NT129-1032-4	NUT, PLN, SPLINE	MS3992		2	40		
		MS3928		6			
		MS3938		6	12		
NTH0256BN6	NUT, PLN, HEX	A3893			6		
NTH0348BN6	NUT, PLN, HEX	A2892		4			
		A2893		8			
		A2894		8			
		A2895		4	24		
NTH0440BN6	NUT, PLN, HEX	A2895			12		
NTH0632BN8	NUT, PLN, HEX	A2897		9			
		A3894		4			
		A3895		5	18		
					1		
PC136-1	PC BD, ETCH	PC136-2					
PC136-2	PC BD, MACH	PC136-3			1		
PC136-3	PC BD, SUBASSY	A3735			1		
PC137-1	PC BD, ETCH	PX137-2			1		

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PART NO.	DESCRIPTION ELECTRICAL/MECHANICAL	ITEM LOCATION			QTY. PER UNIT	REFERENCE SYMBOLS	REMARKS
		USED ON ASSEMBLY	USED TO MOUNT	QTY. PER USED TO MOUNT			
PC137-2	PC BD,MACH	A3996			1		
PX100-1-118	INS SLVG,SZ 9	CA922			8		BLK
PX337-14	INS,TERM,BD	A2895			1		
RC20GF222K	RES,FXD,COMP	A3735			1	R102	
RC42GF102K	RES,FXD,COMP	A3735			1	R103	
RG174/U	CBL,RF	CA922			99		
RL156-1	REL,ARM,-DPDT	A3895			1	K101	TAPPED
RV4NAYSD101A	RES,VAR-COMP	A3897			2	R104,105	
RV110-1	RES,VAR-COMP	A3897			1	R106	TAPPED
RV4NAYSD101A	RES,VAR-COMP	A3897			2	R104,105	
RW107-18	RES,FXD,WW-5W	A3895			2	R101,R107	50 OHMS
SCBP0256BN6	SCR,MACH	A3893			6		
SCBP0440BN4	SCR,MACH	A3893			4		
SCBP0440BN5	SCR,MACH	A2895			8		
SCBP0440BN8	SCR,MACH	A2895			4		
SCBP0632BN4	SCR,MACH	A2897			16		
SCBP0632BN5	SCR,MACH	A2895		4			
		A3895		3	7		
SCBP0632BN6	SCR,MACH	A2897		20			
		A3892		4	24		
SCBP0632BN7	SCR,MACH	A2897			5		
SCBP0632BN8	SCR,MACH	A3893			6		

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		USED ON ASSEMBLY	USED TO MOUNT	QTY. PER USED TO MOUNT			
SCBP0632BN22	SCR, MACH	A3895			2		
SCFP0348BN4	SCR, MACH	A2892		4			
		A2893		8			
		A2894		8			
		A2895		4	24		
SCFP0632BN6	SCR, MACH	A2897			12		
SCFP1032BN6	SCR, MACH	A2893		6			
		A2894		6	12		
SCFP1032BN8	SCR, MACH	A3897			4		
SFB0256SN3	SCR, TAP., THD CTG	A3897			4		
ST12D	SW, TOGGLE-SPST	A3897			1	S104	
ST22K	SW, TOGGLE-DPST	A2895		1		S105	
		A3897		1	2	S101	
SW112	SW, ROTARY	A3897			1	S103	
SW296-1	SW, PUSH-RED	A3897			1	S102	
TE104-5	TERM., LUG-LKG	A3897			4		NO. 1/4
TE111-2	TERM., LUG-3/8D	A2895		3			
		A3897		3	6		
TE149-120	TERM., LUG-NO. 4	A2895			2		
TE149-144	TERM., LUG-NO. 6	A3895			2		
TF269	XFMR, PWR, SD	A3894			1	T101	
TF272	XFMR, AF	A3893			1	T102	
TM100-14	TERM. BD-BARR	A2895			1	E101	
TS106-1	LIGHT, IND-RED	A3897			2	XDS102, 103	

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PART NO.	DESCRIPTION ELECTRICAL/MECHANICAL	ITEM LOCATION			QTY. PER UNIT	REFERENCE SYMBOLS	REMARKS
		USED ON ASSEMBLY	USED TO MOUNT	QTY. PER USED TO MOUNT			
TS106-3	LIGHT, IND-GRN	A3897			1	XDS101	
TS166-1	SOC, SCOND DEV	A3893			3	XQ101, 102, 103	
TS171-1	SOC, RELAY-W/RET.	A3895			1	XK101	
TX103	TRANSISTOR	A3893			1	Q102, 103	
UG625*/U	CONN, RECP-BNC	A2895			3	J110, 111, 112	
VR101-24S51	SCOND DEV, DIO	A2895			1	CR101	ZNR
WA102-4	WASH., NM	A3895			4		
1N2484	SCOND DEV, DIO	A3895			1	CR104	
1N2976B	SCOND DEV, DIO	A3895			1	CR102	
1N2978RB	SCOND DEV, DIO	A3895			1	CR103	
2N2143	TRANSISTOR	A3893			1	Q101	

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PART NO.	DESCRIPTION SUPP ASSY/REF DWGS	ITEM LOCATION			QTY. PER UNIT	REFERENCE SYMBOLS	REMARKS
		USED ON ASSEMBLY	USED TO MOUNT	QTY. PER USED TO MOUNT			
A2892	SPT ASSY,MODL	A2897			1		
A2893	PL ASSY,L SD	A2897			1		
A2894	PL ASSY,R SD	A2897			1		
A2895	PL ASSY,REAR	A2897			1		
A2896	LFCA-1 FNL ASSY	LFCA-1			1		
A2897	LFCA-1 SUBASSY	A2896			1		
A3735	PC BD ASSY,IC	A2897			1	Z101	
A3892	PWR SUP/AF ASSY	A2897			1		
A3893	CHAS ASSY,AF	A3892			1		
A3894	XFMR ASSY	A3892			1		
A3895	CAP./REL ASSY	A3892			1		
A3897	PNL ASSY,FR	A2897			1		
A3996	TEST CARD ASSY	A2896			1		
CA922	WRG HARN,BRCHD	A2897			1		MAIN
CH388	CHART,UNIT BKDN	LFCA-1			1		
CK796	DIAG,BLOCK	LFCA-1			1		
CK1254	DIAG, SCHEM, INTCONN	LFCA-1			1		
CK1248	DIAG, SCHEM	LFCA-1			1		

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PART NO.	DESCRIPTION SPECIFICATIONS	ITEM LOCATION			QTY. PER UNIT	REFERENCE SYMBOLS	REMARKS
		USED ON ASSEMBLY	USED TO MOUNT	QTY. PER USED TO MOUNT			
S114	ZN CHROMATE PRM	MS3897					
S115	ENAM, SMOOTH GY	MS3897					
S404	IRIDITE, YEL	MS4246					
		MS3897					
		MS3928					
		MS3929					
		MS3930					
		MS3931					
		MS3932					
		MS3933					
		MS3934					
		MS3935					
		MS3936					
		MS3937					
		MS3938					
MS3939							
MS3949							
MS3991							
MS3992							
S892	ALIGN. PROC	LFCA-1			1		

