

TOTAL SHEETS 12

MODEL
A10735-5,-6,-7,-8

REV.	Ø	18	NOV.	68
	A	16	JAN.	69
	B	20	FEB.	69
	C	10	MAR.	69
	D	14	MAR.	69
	E	27	MAR.	69
	F	28	APR.	69
	G	8	MAY	69
	H	9	OCT.	69
	J	17	FEB.	70
	K	6	MAY	70
	L	10	JUL.	70
	M	7	JUN.	72
	N	13	JUL.	73
	P	9	SEPT.	73

TITLE

PRINTED CIRCUIT ASSEMBLY PREAMPLIFIER

	MODEL	USED ON	
	A10735-5	SECTION	QTY.
	AMC-8 75~		
	AMC-21A, AMC-21B, AMC-21C		
	A10735-6		
	AMC-8 50~		
	A10735-7		
	AMC-32 75~		
	A10735-8		
	{AMC-32 50~}		
	{MTR-100}		

SUPPORTING LISTS

MAIN ASSY

OPTIONAL

KITS

CL 10044 COIL FXD R.F. USE WITH -5, -7.
 TR 10005 TRANSFORMER RF. USE WITH -5, -6, -7.
 TR 10007 TRANSFORMER RF. USE WITH -8.

R 10/75
 S 10/30/79
 T 6/25/81

NAME

DATE

COMPILED JW.
 CHECKED
 APPROVED

MATERIAL LIST/NUMERICAL PARTS LIST

TOTAL SHEET 1 OF 12

REV

USED ON MODEL:

USED ON SECTION:

ASSY SHEET 1 OF 6

NEXT ASSY:

QTY PER NEXT ASSY:

ASSY LEVEL:

ASSY DESC:

PRINT CIR ASSY PREAMP (75Ω)

ASSY PART NO: A10735-5

PART NO.	DESCRIPTION	ITEM LOCATION			QTY. PER ASSY.	REFERENCE SYMBOLS	REMARKS
		USED ON ASSEMBLY	USED TO MOUNT	QTY PER U/T/M			
A10735-1	PRINT CIR BRD ETCH	A10735-2			1		
A10735-2	" " " MACH	A10735-3			1		
A10735-3	" " " MKG	A10735-4			1		
A10735-4	" " " S/A	A10735-5			1		
CC10017-X5V103M	CAP, FXD, CER	A10735-5			5	C3, 4, 5, 8, C9	
CC10015-X5V104M	CAP, FXD, CER	A10735-5			3	C1, 6, 7	
CC10023	" " "	"			1	C9	
CK10694	SCHEMATIC	A10735-5			1		
CL 500	COIL FXD RF	A10735-5			1	L6	
CL275-221	COIL FXD RF	A10735-5			3	L3, 4, 5	
CL275-330	" " "	A10735-5			1	L1	
CL10044	" " "	A10735-5			1	L2	
CMO4ED470G03	CAP FXD MICA	A10735-5			1	C2	
CMO5FD221J03	CAP FXD MICA	A10735-5			1	C9	
FW02HSS	WASH, FLAT	A10735-5			4		
FW101-3	WASH, NM, N	A10735-5			2		
GL138	COMPOUND, HEATSINK	A10735-5			X		
HD10002-7	HEATSINK	A10735-5			1		
HD10004	HEATSINK	A10735-5			2		

MATERIAL LIST/NUMERICAL PARTS LIST

TOTAL SHEET 2 OF 12
 ASSY SHEET 2 OF 6

REV										USED ON MODEL:					USED ON SECTION:					NEXT ASSY:					QTY PER NEXT ASSY:					ASSY LEVEL:					ASSY DESC:					ASSY PART NO:				
PART NO.		DESCRIPTION										ITEM LOCATION					QTY. PER ASSY.	REFERENCE SYMBOLS					REMARKS																					
												USED ON ASSEMBLY		USED TO MOUNT			QTY PER U/T/M																											
LWEO2MSS		WASH, LOCK EXT										A10735-5					4																											
NT137-0440		NUT, PLN, HEX, N.										A10735-5					1																											
PX104-1-034		INS. SLVG. ELECT.										A10735-5					X																											
PX829-1		PAD, TSTR, MTG										A10735-5					1																											
RC07GF7R5J		RES FXD COMP										A10735-5					2	R8, 9																										
RV10009-501 AP		RES VAR NONWW										A10735-5					1	R6																										
RL07S202G		RES FXD FILM										A10735-5					2	R5, 7																										
RL07S302G		" " "										A10735-5					1	R3																										
RL07S822G		" " "										A10735-5					1	R2																										
RL07S911G		" " "										A10735-5					1	R1																										
RC20GF331J		RES FXD COMP										A10735-5					1	R4																										
SCBPO256SS4		SCREW MACH										A10735-5					4																											
SC143-0440-BLOW		SCREW MACH NYLON										A10735-5					1																											

MATERIAL LIST/NUMERICAL PARTS LIST

TOTAL SHEET 3 OF 12

REV

USED ON MODEL:

USED ON SECTION:

ASSY SHEET 3 OF 6

NEXT ASSY:

QTY PER NEXT ASSY:

ASSY LEVEL:

ASSY DESC: PRINT CIR ASSY PREAMP (75 Ω)

ASSY PART NO: A10735-5

PART NO.	DESCRIPTION	ITEM LOCATION			QTY. PER ASSY.	REFERENCE SYMBOLS	REMARKS
		USED ON ASSEMBLY	USED TO MOUNT	QTY PER U/T/M			
TEL0023-3	TERM STUD	A10735-4			5		
TR10005	XFMR, RF	A10735-5			1	T1	
1N914B	DIODE	A10735-5			1	CR1	
2N3866	TRANSISTOR, NPN	A10735-5			1	Q3	
2N5160	TRANSISTOR, PNP	A10735-5			2	Q1, Q2	

MATERIAL LIST/NUMERICAL PARTS LIST

TOTAL SHEET 4 OF 92

ASSY SHEET 4 OF 6

LIST SECTION

REV

USED ON MODEL:

USED ON SECTION:

NEXT ASSY:

QTY PER NEXT ASSY:

ASSY LEVEL:

ASSY DESC: PRINT CIR ASSY PREAMP (50~)

ASSY PART NO: A10735-6

LIST SECTION	PART NO.	DESCRIPTION	ITEM LOCATION			QTY. PER ASSY.	REFERENCE SYMBOLS	REMARKS
			USED ON ASSEMBLY	USED TO MOUNT	QTY PER U/T/M			
4	A10735-1	PRINT CIR BRD ETCH	A10735-2			1		
4	A10735-2	" " " MACH	A10735-3			1		
4	A10735-3	" " " MKG	A10735-4			1		
4	A10735-4	" " " S/A	A10735-6			1		
	CC10017-X5V103M	CAP. FXD. CER	A10735-6			5	C3, 4, 5, 8, 9	
	CC10015-X5V104M	CAP, FXD, CER	A10735-6			3	C1, 6, 7	
	CC10023	CAP, FXD, CER	A10735-6			1		
4	CK10692	SCHEMATIC	A10735-6			1		
	CL 500	COIL FXD RF	A10735-6			1	L6	
	CL275-221	COIL FXD RF	A10735-6			3	L3, 4, 5	
	CL275-330	COIL FXD RF	A10735-6			1	L1	
	FWO2HSS	WASH, FLAT	A10735-6			4		
						2		
	GL138	COMPOUND, HEATSINK	A10735-6			X		
	HD10002-7	HEATSINK	A10735-6			1		
	HD10004	HEATSINK	A10735-6			2		

MATERIAL LIST/NUMERICAL PARTS LIST

TOTAL SHEET 5 OF 12

REV

USED ON MODEL:

USED ON SECTION:

ASSY SHEET 5 OF 6

NEXT ASSY:

QTY PER NEXT ASSY:

ASSY LEVEL:

ASSY DESC: PRINT CIR ASSY PREAMP (50~)

ASSY PART NO: A10735-6

PART NO.	DESCRIPTION	ITEM LOCATION			QTY. PER ASSY.	REFERENCE SYMBOLS	REMARKS
		USED ON ASSEMBLY	USED TO MOUNT	QTY PER U/T/M			
LWEO2MSS	WASH, LOCK EXT	A10735-6			4		
NS 7117	Shield, Pre Amp	A10735-6			1		
PX104-1-.034	INS. SLEEVING ELECT	A10735-6			A/R		
PX829-1	PAD, TSTR, MTG	A10735-6			1		
RC07GF7R5J	RES FXD COMP	A10735-6			2	R8, 9	
RV10009-501 AP	RES VAR NON W/W	A10735-6			1	R6	
RL07S202G	RES FXD FILM	A10735-6			2	R5, 7	
RL07S302G	" " "	A10735-6			1	R3	
RL07S822G	" " "	A10735-6			1	R2	
RL07S511G	" " "	A10735-6			1	R1	
RC20GF331J	RES FXD COMP	A10735-6			1	R4	
SCBP0256SS4	SCREW MACH	A10735-6			4		
WL100-7	WIRE BUSS ELECT	A10735-6			1		
PX104-1-.034	INS. SLEEVING ELECT	A10735-6			A/R		

MATERIAL LIST/NUMERICAL PARTS LIST

TOTAL SHEET 6 OF 12

REV

USED ON MODEL: USED ON SECTION:

ASSY SHEET 6 OF 6

NEXT ASSY:

QTY PER NEXT ASSY:

ASSY LEVEL:

ASSY DESC: PRINT CIR ASSY PREAMP (50~)

ASSY PART NO: A10735-6

PART NO.	DESCRIPTION	ITEM LOCATION			QTY. PER ASSY.	REFERENCE SYMBOLS	REMARKS
		USED ON ASSEMBLY	USED TO MOUNT	QTY PER U/T/M			
TEL0023-3	TERM STUD	A10735-4			5		
TR10005	XFMR, RF	A10735-6			1	T1	
1N914B	DIODE	A10735-6			1	CR1	
2N3866	TRANSISTOR, NPN	A10735-6			1	Q3	
2N5160	TRANSISTOR, PNP	A10735-6			2	Q1, Q2	

MATERIAL LIST/NUMERICAL PARTS LIST

TOTAL SHEET 7 OF 12

REV										USED ON MODEL:	USED ON SECTION:	ASSY SHEET 1 OF 3
-----	--	--	--	--	--	--	--	--	--	----------------	------------------	-------------------

NEXT ASSY:	QTY PER NEXT ASSY:	ASSY LEVEL:	ASSY DESC:	PRINT CIR ASSY PREAMP (75~)	ASSY PART NO:	A10735-7
------------	--------------------	-------------	------------	-----------------------------	---------------	----------

PART NO.	DESCRIPTION	ITEM LOCATION			QTY. PER ASSY.	REFERENCE SYMBOLS	REMARKS
		USED ON ASSEMBLY	USED TO MOUNT	QTY PER U/T/M			
A10735-1	PRINT CIR BRD ETCH	A10735-2			1		
A10735-2	" " " MACH	A10735-3			1		
A10735-3	" " " MKG	A10735-4			1		
A10735-4	" " " S/A	A10735-7			1		
CC10015-X5V104M	CAP, FXD, CER	A10735-7			2	C1, 6	
CC10017-X5V103M	CAP, FXD, CER	A10735-7			4	C3, 4, 5, 8	
CK10708	SCHEMATIC	A10735-7			1		
CL500	COIL FXF RF	A10735-7			1	L6	
CL275-221	COIL FXD RF	A10735-7			3	L3, 4, 5	
CL275-330	" " "	A10735-7			1	L1	
CL10044	" " "	A10735-7			1	L2	
CM04ED470G03	CAP FXD MICA	A10735-7			1	C2	
CM111E050J1SS	CAP FXD MICA	A10735-7			1	C10	
FW02HSS	WASH, FLAT	A10735-7			4		
FW101-3	WASH, NM, N	A10735-7			2		
GL138	COMPOUND, HEATSINK	A10735-7			X		
HD10002-7	HEATSINK	A10735-7			1		
HD10004	HEATSINK	A10735-7			2		

MATERIAL LIST/NUMERICAL PARTS LIST

TOTAL SHEET 8 OF 12

REV										USED ON MODEL:										USED ON SECTION:										ASSY SHEET 2 OF 3		
NEXT ASSY:										QTY PER NEXT ASSY:					ASSY LEVEL:					ASSY DESC: PRINT CIR ASSY PREAMP (75~)					ASSY PART NO: A10735-7							
PART NO.	DESCRIPTION										ITEM LOCATION					QTY. PER ASSY.	REFERENCE SYMBOLS	REMARKS														
											USED ON ASSEMBLY								USED TO MOUNT													
LWEO2MSS	WASH, LOCK EXT										A10735-7					4																
NT137-0440	NUT, PLN, HEX, N.										A10735-7					1																
PX829-1	PAD, TSTR, MTG										A10735-7					1																
RV10009-501 AP	RES VAR NONWW										A10735-7					1	R6															
RL07S202G	RES FXD FILM										A10735-7					2	R5, 7															
RL07S302G	" " "										A10735-7					1	R3															
RL07S822G	" " "										A10735-7					1	R2															
RL07S102G	" " "										A10735-7					1	R1															
RC20GF33LJ	RES FXD COMP										A10735-7					1	R4															
SCBP0256SS4	SCREW MACH										A10735-7					4																
SC143-0440-BLOW	SCREW MACH NYLON										A10735-7					1																

MATERIAL LIST/NUMERICAL PARTS LIST

TOTAL SHEET 9 OF 12

REV _____

USED ON MODEL: _____

USED ON SECTION: _____

ASSY SHEET 3 OF 3

NEXT ASSY: _____

QTY PER NEXT ASSY: _____

ASSY LEVEL: _____

ASSY DESC: _____

PRINT CIR ASSY PREAMP (75~)

ASSY PART NO: A10735-7

PART NO.	DESCRIPTION	ITEM LOCATION			QTY. PER ASSY.	REFERENCE SYMBOLS	REMARKS
		USED ON ASSEMBLY	USED TO MOUNT	QTY PER U/T/M			
TEL0023-3	TERM STUD	A10735-4			5		
TR10005	XFMR, RF	A10735-7			1	T1	
1N914B	DIODE	A10735-7			1	CR1	
2N3866	TRANSISTOR, NPN	A10735-7			1	Q3	
2N5160	TRANSISTOR, PNP	A10735-7			2	Q1, Q2	

MATERIAL LIST/NUMERICAL PARTS LIST

REV	USED ON MODEL:	MTR-100	USED ON SECTION:	ASSY SHEET	1 OF 3		
NEXT ASSY:	QTY PER NEXT ASSY:	ASSY LEVEL:	ASSY DESC:	PRINT CIR ASSY PREAMP (50)		ASSY PART NO:	A10735-8
PART NO.	DESCRIPTION	ITEM LOCATION			QTY. PER ASSY.	REFERENCE SYMBOLS	REMARKS
		USED ON ASSEMBLY	USED TO MOUNT	QTY PER U/T/M			
A10735-1	PC BD ETCH	A10735-2			1		
A10735-2	" " MACH	A10735-3			1		
A10735-3	" " MKG	A10735-4			1		
A10735-4	" " S/A	A10735-8			1		
CC100-40	CAP FXD CER	A10735-8			1	C2	
CC10015-X5V104M	CAP FXD CER	A10735-8			3	C1, 6, 7;	
CC10017-X5V103M	" " "	"			4	C3, 4, 5, 8.	
CK10708	SCHEMATIC	A10735-8			1		
CL 500	COIL FXD RF	A10735-8			1	L6	
CL275-221	COIL FXD RF	A10735-8			3	L3, 4, 5	
CL275-330	" " "	"			1	L1	
CM111E680G1SS	CAP FXD MICA	A10735-8			1	CZ	
CM111E050J1SS	CAP FXD MICA	A10735-8			1	C10	
FWO2HSS	WASH FLAT	A10735-8			4		
GL138	COMPOUND HEATSINK	A10735-8			X		
HD10002-7	HEATSINK	A10735-8			1		
HD10004	"	"			2		

MATERIAL LIST/NUMERICAL PARTS LIST

TOTAL SHEET 11 **OF** 12

REV										USED ON MODEL: MTR-100	USED ON SECTION:		ASSY SHEET 2	OF 3
-----	--	--	--	--	--	--	--	--	--	------------------------	------------------	--	--------------	------

NEXT ASSY:	QTY PER NEXT ASSY:	ASSY LEVEL:	ASSY DESC:	PRINT CIR ASSY PREAMP (50)	ASSY PART NO:	A10735-8
------------	--------------------	-------------	------------	-----------------------------	---------------	----------

PART NO.	DESCRIPTION	ITEM LOCATION			QTY. PER ASSY.	REFERENCE SYMBOLS	REMARKS
		USED ON ASSEMBLY	USED TO MOUNT	QTY PER U/T/M			
LWEO2MSS	WASH LOCK EXT	A10735-8			4		
PX829-1	PAD TSTR MTG	A10735-8			2		
RC07GF7R5J	RES FXD COMP	A10735-8			2	R8, 9	
RC20GF331J	RES FXD COMP	A10735-8			1	R4	
RL07S202G	RES FXD FILM	A10735-8			2	R5, 7	
RL07S302G	" " "	"			1	R3	
RL07S822G	" " "	"			1	R2	
RL07S681G	" " "	"			1	R1	
RV10009-501 AP	RES VAR NON W/W	A10735-8			1	R6	
SCBP0256SS4	SCR. MACH	A10735-8			4		
WL100-7	WIRE BUSS ELECT.	A10735-8			1		

MATERIAL LIST/NUMERICAL PARTS LIST

TOTAL SHEET 12 OF 12

REV _____

USED ON MODEL: MTR-100

USED ON SECTION:

ASSY SHEET 3 OF 3

NEXT ASSY:

QTY PER NEXT ASSY:

ASSY LEVEL:

ASSY DESC:

PRINT CIR ASSY PREAMP (50)

ASSY PART NO: A10735-8

PART NO.	DESCRIPTION	ITEM LOCATION			QTY. PER ASSY.	REFERENCE SYMBOLS	REMARKS
		USED ON ASSEMBLY	USED TO MOUNT	QTY PER U/T/M			
TEL0023-3	TERM STUD	A10735-4			5		
TR10005	XFMR, RF	A10735-8			1	T1	
1N914B	DIODE	A10735-8			1	CR1	
2N3866	TRANSISTOR, NPN	A10735-8			1	Q3	
2N5160	TRANSISTOR, PNP	"			2	Q1, 2	

REVISION SHEET

TMC (CANADA) LIMITED
OTTAWA ONTARIO

MODEL A10735-5,6,7,8

PROJECT NO. 074/69

DATE	REV.	PAGE	ITEM	DESCRIPTION	MOD. CHK. NO.	APP.
18 NOV. 68	Ø	ALL	ALL	RELEASED TO PRODUCTION		Ka/N
16/11/68	A.	1, ALL, 3		REVISED BY CEMN 409	Je	Je
20/2/69	B.	1, 4		REVISED BY CEMN 445	Je	Je
10/3/69	C.	ALL		REVISED BY CEMN 455	Je	Je
14/3/69	D.	2, 5, 8,		REVISED BY CEMN 458	Je	Je
27/3/69	E.	4,		REVISED BY CEMN 465	Je	Je
28/4/69	F.	4, 5		REVISED BY CEMN 473	Je	Je
8/5/69	G.	COV.		REVISED BY CEMN 476	Je	Je
9/10/69	H.	1, 4		REVISED BY CEMN 586	Je	Je
17 FEB. 70	J.	COV, 1, 2		REVISED BY CEMN 721	Je	Je
6 MAY. 70	K.	ALL		REVISED BY CEMN 785	Je	Je
10 Jul. 70	L.	4		REVISED BY CEMN 812	Je	Je
7/6/72	M.	2		REVISED BY CEMN 1183	Je	LB
13/6/73	N.	5		REVISED BY CEMN 1239	Je	Je
9/9/73	P.	1, 2, 3, 7, 8, 9		REVISED BY CEMN 1251	Je	Je
10/75	R.			REVISED BY CEMN 21302	Je	Je
19/30/79	S.	11, 12		Revised by 21788	Je	Je
6/25/81	T.	1A, 7, 10		REVISED AS PER EMN 21886	Je	Je