



**Aerospace  
Systems Division**

EEE Parts List for the LEAM Experiment

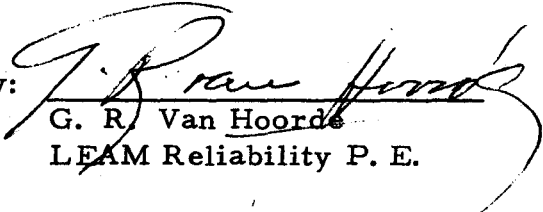
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Presented herein is a composite list of EEE parts used in the LEAM experiment.

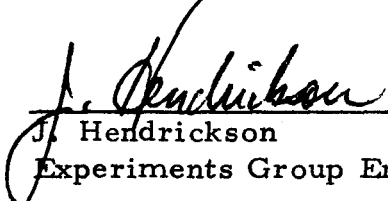
Section A presents LEAM Bendix EEE parts list.

Section B presents LEAM Time Zero EEE parts list.


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SECTION A  
LEAM EXPERIMENT BENDIX  
EEE PARTS LIST

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BENDIX PART NUMBER	PART NAME	MANUFACTURER'S NAME	MANUFACTURER'S PART NUMBER (REF.)	NO. USED
MD53-06E15-615-1-512	Connector	Microdot	MD53-06E15-615-1-512	1
MSFC-G-311P10-45-C12	Connector	ITT/Cannon	DCM375-NMC-1-A106	1
RNR55E2431FS	Resistor	Mepco	(MIL-R-55182)	1
RNR55E2401FS	Resistor	Mepco	(MIL-R-55182)	1
2340351-5	Heater	Minco	-	1
2340351-6	Heater	Minco	-	1
2340351-7	Heater	Minco	-	1
2340362-1	Connector	ITT/Cannon	MDB1-9PH	1
2340362-2	Connector	ITT/Cannon	MDB1-9SH	1
2340362-3	Connector	ITT/Cannon	MDM25-PH-25	1
2331210-4	Connector	Dale	-	1
2331210-9	Connector	Dale	-	1
2346220-1	Cutter	Atlas	SE/66	2
2346238-3	Thermistor	Y. S. I.	44008 (30k)	1
234238-4	Thermistor	Y. S. I.	44006 (10k)	1
2347951-1	Crystal, Microphone	Gulton Ind.	GLN-8745	1
2347951-2	Crystal, Microphone	Gulton Ind.	GLN-8745	3



## SECTION P

LEAM EXPERIMENT ME ZERO

## EEE PARTS LIST

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PART/TYPE NO.	DESCRIPTION	QTY	PROCUREMENT SPECIFICATION	MANUFACTURER
CK05-JR	Ceramic, molded	35	MIL-C-39014/1	QPL
CK06-JR	Ceramic, molded	50	MIL-C-39014/2	QPL
CSR13-KR	Solid tantalum, polarized	160	MIL-C-39003/1	QPL
M2 DM-F-4CR	Dipped mica	28	Elmenco E82600	Elmenco
TZ F3-- F050	Parylene film flatpack	13	TZ 10127301	Kemet
HRMC--A---F	Ceramic temperature compensated	9	Order per MIL-C-39014	Aerovox
CKR12---JR	Ceramic, molded	90	MIL-C-39014/5	QPL
CKR13---JR	Ceramic, molded	4	MIL-C-39014/6	QPL
CKR19---	Ceramic, molded	4	MIL-C-38014/9	QPL
SM1N914	Small Signal, Si 100 v	200	MSFC 50M60197	TI, GE
JAN-TX-1N4938	Switching, Si	18	MIL-S-19500/169 With TZ10128601	Per QPL-19500 Semtech
S1N5417	Fast Rectifier Si	7	MSFC 85MO 3896	
IN4568A	Voltage Ref., Si	1	MIL-S-19500/159 With TZ10128601	Dickson
TZ 8551-( )	Voltage Reg, Si LVA	15	TZ 10128551	TRW
S1N746A to S1N759A	Voltage Regulator Zener, Si	6	MSFC85MO1308	Dickson, Moto
SM54L00F	Quad. 2-input Positive nand gate	43	MSFC 85NI3766-100	T. I.



## SECTION 7

LEAM EXPERIMENT TIME ZERO  
EEE PARTS LIST

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PART/TYPE NO.	DESCRIPTION	QTY	PROCUREMENT SPECIFICATION	MANUFACTURER
SM54L04F	Hex inverter	20	MSFC 85M03766-100	T. I.
SM54L00F	Dual 4-input			
	Positive nand gate	7	MSFC 85M03766-120	T. I.
SM54L30F	2 input positive	4	MSFC 85M03766-130	T. I.
	nand gate			
SM54L72F	J-K master-slave	2	MSFC 85M03766-172	T. I.
	flip-flop			
SM54L73F	Dual J-K master-	15	MSFC 85M03766-173	T. I.
	slave flip-flop			
TZ8901-5	Quad two input	55	TZ10128901	Amelco
	nand gate			
TZ8901-7	Dual four input	22	TZ10128901	Amelco
	nand gate			
TZ8901-9	J-K flip-flop	182	TZ10128901	Amelco
TZ8902-1	High input impedance	80	TZ10128902	Harris Semi
	operational amplifier			
TZ8902-4	High input impedance	50	TZ10128902	Harris Semi
	wide band oper. amp.			
431-	Relay-SPDT trans-	4	MSFC 40M37496-	Teledyne
	istor case			
44006	Thermistor	1	TZ 10127710	Y. S. I.
RCR05G-JS	Carbon composition	600	MIL-R-39008/4A	Allen-Bradley
RCR07G-JS	Carbon Composition	17	MIL-R-39008/1	Allen-Bradley
RNC55H-FR	Metal film	500	MIL-R-55182	Mepco, Dale



SECTION

LEAM EXPERIMENT TIME ZERO

EEE PARTS LIST

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PART/TYPE NO.	DESCRIPTION	QTY	PROCUREMENT SPECIFICATION	MANUFACTURER
RNC65H-FR	Metal Film	1	MIL-R-55182	Mepco, Dale
RNC60H-FR	Metal Film	7	MIL-R-55182	Mepco, Dale
RWR80-FR	Wire wound, power		MIL-R-39007/8	Dale
RWR81-FR	Wire wound, power	5	MIL-R-39007/9	Dale
RCR32G-JS	Carbon Composition	1	MIL-R-39008/3A	Allen-Bradley
RCR20G-JS	Carbon composition	1	MIL-R-39008/2B	Allen-Bradley
S2N930	General Purpose, NPN Low Level Si	26	MSFC85M01641	TI
S2N222A	General Purpose, NPN, Signal Si	55	MSFC85M02699	TI
SM2N2907A	General Purpose PNP, Signal Si	24	MSFC50M60198	TI, RAY, MOTA
2N2920	Dual NPN, Si	9	per TZ101228601	TI, GE
2N2369A	General Purpose NPN, Signal Si	49	per TZ10128601	TI, RAY, NATL, MOTA, FAIR
2N3251A	General Purpose PNP, Low Level Si	84	per TZ10128601	TI, RAY, MOTA
TZ 2n3384	P-Channel FET	24	TZ10128701	Siliconix
S2N2101	General Purpose, NPN, Signal Si	1	MSFC85M01108	RCA, TI, RAY
SM2N2905A	General Purpose PNP, Signal Si	1	MSFC50M60198	TI, MOTA
JAN2N605	General Purpose PNP, Low level Si	4	MIL-S-19500/354 per TZ10128601	Raytheon, Natl.
2N2432A	NPN Si Chopper	4	per TZ10128601	TI, Transitron Crystalonic
2N946A	PNP Si Chopper		per TZ10108601	Ti, Transitron Crystalonic



SECTION 5  
LEAM EXPERIMENT TIME ZERO  
EEE PARTS LIST

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PART/TYPE NO.	DESCRIPTION	QTY	PROCUREMENT SPECIFICATION	MANUFACTURER
TZ2N3811	Dual NPN, Si	2	TZ10128651	NATL
S2N4150	NPN, Si Power	2	MSFC50M34277	Solitron
JANTX2N2484	General Purpose NPN, Si Low Level	6	MIL-S-19500/376	RAY, AMELCO
MDM25PH-25	Micro-D Mark II	1	TZ10129001	Cannon
MDM25SH-22	Micro-D Mark II		TZ129001	Cannon
MDM37PH-40	Micro-D Mark II	1	TZ120--1	Cannon
MDM37SH-30	Micro-D Mark II	1	TZ10129001	Cannon
MDM50PH-34	Micro-D Mark II	1	TZ10129001	Cannon
MDM51SH-34	Micro-D Mark II	1	TZ10129001	Cannon
DCM37PNMC-1-A106	Golden D Mark I, Non-Magnetic	1	TZ10129002	Cannon
MDM25P-S	Micro-D Mark II, w/solder cup	1	TZ10129001	Cannon
MDM25S-S	Micro-D Mark II, w/solder cup	1	TZ10129001	Cannon
MDM37P-S	Micro-D Mark II, w/solder cup	1	TZ10129001	Cannon
MDM37S-S	Micro-D Mark II, w/solder cup	1	TZ10129001	Cannon