

 GLAST LAT SUBSYSTEM TECHNICAL DOCUMENT	Document # LAT-TD-xxxx-x	Date Effective Draft 12/23T02
	Prepared by(s) Dave Sheppard Art Ruitberg	Supersedes None
	Subsystem/Office Anticoincidence Detector Subsystem	
Document Title Electrical Parts List – Rev G		

Gamma-ray Large Area Space Telescope (GLAST)

Large Area Telescope (LAT)

Electrical Parts List – Rev. G

DRAFT

LAT ACD PMT TAP NETWORK EEE PARTS LIST

Date	ID Number	Part Type	FSC Code	Procurement Part Number	Procurement Specification	Generic Part Number	Package Type	Description	Supplier	Supplier CAGE Code	TID	SEE	Responsible Engineer	Assembly Number	Quantity	Reference Designator	Date Code	GIDEP OK	GFE	Approved	Remarks
Nov-01	01	Resistor	5905	LAT-TBD 1\	MIL-PRF-55342	WA80PS4005JNS62	1505 Chip	75MEG ohm, 5%, Chip Resistor	MSI	50316	N/A	N/A	A. Ruitberg		11	R1 - R11		☒	☐	☐	SCD prepared and under review nu Art Ruitberg and Tom Perry. After review a LAT part number will be assigned.
Nov-01	02	Resistor	5905	SLIM-MOX101 2\	GSFC S-311-P-672 (screening)	SM102034005J	Leaded Planar	40MEG ohm, 5%, 5KV Resistor	OHMITE	44655	N/A	N/A	A. Ruitberg		1	R12		☒	☐	☒	Slim-Mox part is acceptable with screening per GSFC-311-P-672
Nov-01	03	Resistor	5905	SLIM-MOX102 2\	GSFC S-311-P-672 (screening)	SM10103100SJ	Leaded Planar	10MEG ohm, 5%, 2KV Resistor	OHMITE	44655	N/A	N/A	A. Ruitberg		1	R13		☐	☐	☐	generic part number corrected to SM1013100SJ, part list updated. Art to confirm whether 2Kv or low voltage part required by 12/20/02 and the part status will be decided after Art's review
Nov-01	04	Resistor	5905	M55432K04B1T00R	MIL-PRF-55342	M55432K04B1T00R	1505 Chip	1MEG ohm, 2% 1505 Resistor	QPL	022W0 / 0EG09	N/A	N/A	A. Ruitberg		1	R14		☒	☐	☒	Art to confirm whether this part will be used or other new part will be substituted by 12/20/02
Nov-01	05	Capacitor	5910	CF2204-3	MIL-PRF-49467	501C1515A472KM	1515 Chip	4700pF, 10%, 500V, NPO, 1515 HV Capacitor	CFI		N/A	N/A	A. Ruitberg		1	C1,C2,C3		☐	☐	☐	Since CFI is a new company, they need more evaluation. Tom Duffy from GSFC will visit CFI to evaluate their capability and will supply more details about these parts. Tom is expected to be back on 11/04/02 and the status will be updated on the 11/19/02 PCB meeting. Item number 7 generic part number will be changed to 302C3530B472KM and part list updated. Comments will also be updated. These parts will require corona testing
Nov-01	06	Capacitor	5910	CF2204-2	MIL-PRF-49467	302C2520A681KM	2520 Chip	680pF, 3KV, NPO, 2520 HV Capacitor	CFI		N/A	N/A	A. Ruitberg		2	C4, C6		☐	☐	☐	Since CFI is a new company, they need more evaluation. Tom Duffy from GSFC will visit CFI to evaluate their capability and will supply more details about these parts. Tom is expected to be back on 11/04/02 and the status will be updated on the 11/19/02 PCB meeting. Item number 7 generic part number will be changed to 302C3530B472KM and part list updated. Comments will also be updated. These parts will require corona testing
Nov-01	07	Capacitor	5910	CF2204-4	MIL-PRF-49467	302C3530R472KM	3530 Chip	4700pF, 3KV, X7R, 3530 HV Capacitor	CFI		N/A	N/A	A. Ruitberg		1	C5		☒	☐	☐	Since CFI is a new company, they need more evaluation. Tom Duffy from GSFC will visit CFI to evaluate their capability and will supply more details about these parts. Tom is expected to be back on 11/04/02 and the status will be updated on the 11/19/02 PCB meeting. Item number 7 generic part number will be changed to 302C3530B472KM and part list updated. Comments will also be updated. These parts will require corona testing
Nov-01	08*	Capacitor	5910	TBR	MIL-PRF-55681	TBR	2520 Chip	4700pF, 3KV, X7R, 2520 HV Capacitor	NOVACAP, AVX			N/A	A. Ruitberg		1			☐	☐	☐	NOT IN USE
Aug-02	09	Wire	6145	178-8366	MIL-W-22759	178-8366		0.045" Etched-FEP High Voltage Wire, AWG26	Reynolds Industries			N/A	A. Ruitberg		A/R			☐	☐	☐	GIDEP alert to be evaluated by 11/01/02
Oct-02	10	PMT		R4443	R4443	R4443	Tube	Photomultiplier Tube	Hamamatsu			N/A	N/A	Dave Thompson		120		☐	☐	☐	Parts approval pending testing of flight lot.

* NOT IN USE
1\ Requires qualification and screening as per MIL-PRF-55342 (equivalent generic data acceptable)
2\ Screening will be required as per S 311-P-672

LAT ACD HVBS EEE Parts List

Date	ID Number	Part Type	FSC Code	Procurement Part Number	Procurement Specification	Generic Part Number	Package Type	Description	Supplier	Supplier CAGE Code	TID	SEE	Responsible Engineer	Assembly Number	Quantity	Reference Designator	Date Code	GIDEP OK	GFE	Approved	Remarks
Aug-02	01	Resistor	5905	M55432K/07B5E11R	MIL-PRF-55342	RM1206, 100 ohm, 1%	1206 Chip	100 ohm, 1% 1206 Resistor					A. Ruitberg		1	R18		☒	☐	☒	No Issues
Aug-02	02	Resistor	5905	M55432K/07B1E00R	MIL-PRF-55342	RM1206, 1.00K ohm, 1%	1206 Chip	1.0Kohm, 1% 1206 Resistor					A. Ruitberg		2	R13, R30		☒	☐	☒	No Issues
Aug-02	03	Resistor	5905	M55432K/07B2E00R	MIL-PRF-55342	RM1206, 2.00K ohm, 1%	1206 Chip	2.0Kohm, 1% 1206 Resistor					A. Ruitberg		1	R29		☒	☐	☒	No Issues
Aug-02	04	Resistor	5905	M55432K/07B4E64R	MIL-PRF-55342	RM1206, 4.64K ohm, 1%	1206 Chip	4.64Kohm, 1% 1206 Resistor					A. Ruitberg		2	R5, R12		☒	☐	☒	No Issues
Aug-02	05	Resistor	5905	M55432K/07B5E11R	MIL-PRF-55342	RM1206, 5.11K ohm, 1%	1206 Chip	5.11Kohm, 1% 1206 Resistor			N/A	N/A	A. Ruitberg		1	R19		☒	☐	☒	No Issues
Aug-02	06	Resistor	5905	M55432K/07B8E25R	MIL-PRF-55342	RM1206, 8.25K ohm, 1%	1206 Chip	8.25Kohm, 1% 1206 Resistor					A. Ruitberg		2	R16, R17		☒	☐	☒	No Issues
Aug-02	07	Resistor	5905	M55432K/07B10E0R	MIL-PRF-55342	RM1206, 10.0K ohm, 1%	1206 Chip	10.0Kohm, 1% 1206 Resistor			N/A	N/A	A. Ruitberg		7	R9, R11, R14, R23, R24, R26,R28		☒	☐	☒	No Issues
Aug-02	08	Resistor	5905	M55432K/07B20E0R	MIL-PRF-55342	RM1206, 20.0K ohm, 1%	1206 Chip	20.0Kohm, 1% 1206 Resistor					A. Ruitberg		3	R2,R4,R31		☒	☐	☒	No Issues
Aug-02	09	Resistor	5905	M55432K/07B51E1R	MIL-PRF-55342	RM1206, 51.1K ohm, 1%	1206 Chip	51.1Kohm, 1% 1206 Resistor					A. Ruitberg		1	R10		☒	☐	☒	No Issues
Aug-02	10	Resistor	5905	M55432K/07B102ER	MIL-PRF-55342	RM1206, 102K ohm, 1%	1206 Chip	102Kohm, 1% 1206 Resistor					A. Ruitberg		1	R3		☒	☐	☒	No Issues
Aug-02	11	Resistor	5905	M55432K/07B392ER	MIL-PRF-55342	RM1206, 392K ohm, 1%	1206 Chip	392Kohm, 1% 1206 Resistor					A. Ruitberg		2	R25, R27		☒	☐	☒	No Issues
Aug-02	12	Resistor	5905	M55432K/07B4F99R	MIL-PRF-55342	RM1206, 4.99M ohm, 1%	1206 Chip	4.99Mohm, 1%, 1206 Resistor					A. Ruitberg		2	R8, R21		☒	☐	☒	No Issues
Aug-02	13	Resistor	5905	M55432K/07BxxxxR	MIL-PRF-55342	RM1206, xxx ohm, 1%	1206 Chip	TBD, 1% 1206 Resistor					A. Ruitberg		2	R22, R34, R35		☒	☐	☒	No Issues
Aug-02	14	Resistor	5905	M55432K/08B51D1R	MIL-PRF-55342	RM2010, 51.1 ohm, 1%	2010Chip	51.1ohm, 1% 2010 Resistor					A. Ruitberg		1	R1		☒	☐	☒	No Issues
Aug-02	15	Resistor	5905	M55432K/08B100DR	MIL-PRF-55342	RM2010, 100 ohm, 1%	2010 Chip	100ohm, 1% 2010 Resistor					A. Ruitberg		1	R32		☒	☐	☒	No Issues
Aug-02	16	Resistor	5905	M55432K/08B5E62R	MIL-PRF-55342	RM2010, 5.62K ohm, 1%	2010 Chip	5.62Kohm, 1%, 2010 Resistor					A. Ruitberg		1	R15		☒	☐	☒	No Issues
Aug-02	17	Resistor	5905	M55432K/08B2F00R	MIL-PRF-55342	RM2010, 2M ohm, 1%	2010 Chip	2Mohm, 1% 2010 Resistor					A. Ruitberg		2	R6, R7		☒	☐	☒	No Issues
Aug-02	18	Resistor	5905	M4946203AB100MF	MIL-PRF-49462	CMH-1/2-100M	Axial Lead	100M, 1500V, 0.5W Resistor	IRC	57027			A. Ruitberg		2	R20, R33		☐	☐	☒	No Issues
Aug-02	19	Capacitor	5910	CDR01BX330BKUR	MIL-C-55681	CDR01, 33pF	CDR01 Chip	33pF, 100V, Ceramic Chip Capacitor	KEMET, AVX				A. Ruitberg		1	C36		☒	☐	☒	No Issues
Aug-02	20	Capacitor	5910	CDR03BX472BKUR	MIL-C-55681	CDR03, 4700pF	CDR03 Chip	4700pF, 100V, Ceramic Chip Capacitor	KEMET, AVX				A. Ruitberg		1	C29		☒	☐	☒	No Issues
		Capacitor		CDR03BxxxBKUR	MIL-C-55681	CDR03, TBD	CDR03 Chip	xxxpF, 100V, Ceramic Chip Capacitor	KEMET, AVX				A. Ruitberg		3	C32, C33, C34		☒	☐	☐	Part cannot be approved until pF value is determined. Action by Art Ruitberg to review by 12/20/02
Aug-02	21		5910															☒	☐	☒	No Issues
Aug-02	22	Capacitor	5910	CDR03BX123BKUR	MIL-C-55681	CDR03, 0.012uF	CDR03 Chip	0.012uF, 100V, Ceramic Chip Capacitor	KEMET, AVX				A. Ruitberg		4	C21,C27,C28,C35		☒	☐	☒	No Issues
Aug-02	23	Capacitor	5910	CDR35BX104BKUR	MIL-C-55681	CDR35, 0.1uF	CDR35 Chip	0.1uF, 100V, Ceramic Chip Capacitor	KEMET, AVX				A. Ruitberg		5	C22,C23, C24, C25, C30		☒	☐	☒	No Issues
Aug-02	24	Capacitor	5910	CF2204-1	MIL-PRF-49467	501C1812A562KM	1812 Chip	5600pF, 500V, NPO, 1812 HV Capacitor	CFI	07EN1			A. Ruitberg		20	C1-C20		☐	☐	☐	Since CFI is a new company, they need more evaluation. Tom Duffy from GSFC will visit CFI to evaluate their capability and will supply more details about these parts. Tom is expected to be back on 11/04/02 and the status will be updated at the next PCB meeting. Item number 7 generic part number will be changed to 302C3530B472KM and part list updated. Comments will also be updated. These parts will require corona testing
Aug-02	25	Capacitor	5910	CF2204-5	MIL-PRF-49467	152C1812A330Km	1812 Chip	33pF, 10%, 1.5KV, NPO, 1812 HV Capacitor	CFI	07EN1	N/A	N/A	A. Ruitberg		2	C31A, C31B		☐	☐	☐	Since CFI is a new company, they need more evaluation. Tom Duffy from GSFC will visit CFI to evaluate their capability and will supply more details about these parts. Tom is expected to be back on 11/04/02 and the status will be updated at the next PCB meeting. Item number 7 generic part number will be changed to 302C3530B472KM and part list updated. Comments will also be updated. These parts will require corona testing
Aug-02	26	Capacitor	5910	CF2204-4	MIL-PRF-49467	302C3530R472KM	3530 Chip	4700pF, 3KV, X7R, 3530 HV Capacitor	CFI	07EN1	N/A	N/A	A. Ruitberg		1	C26		☐	☐	☐	Since CFI is a new company, they need more evaluation. Tom Duffy from GSFC will visit CFI to evaluate their capability and will supply more details about these parts. Tom is expected to be back on 11/04/02 and the status will be updated at the next PCB meeting. Item number 7 generic part number will be changed to 302C3530B472KM and part list updated. Comments will also be updated. These parts will require corona testing
Aug-02	27	Diode		JTXV1N6642AU	MIL-PRF- 19500/578	1N6642	B-SQ MELF	100V, 300mA SM Switching Diode	MICROSEMI	12954			A. Ruitberg		2	D22,D24		☒	☐	☒	No Issues
Aug-02	28	Diode		JTXV1N4959US	MIL-PRF- 19500/356	1N4959	MELF	12V SM Zener Diode	MICROSEMI	12954			A. Ruitberg		2	D21, D23		☒	☐	☒	No Issues
Aug-02	29	Diode		TBR	TBR	SGB10UFSMS	SQ SM	1000V SM Diode	SSDI	30043			A. Ruitberg		20	D1-D20		☐	☐	☐	update part number to JANTXV part number, action by Art Ruitberg
Aug-02	30	Transistor		JTXV2N3700UB	MIL-PRF-19500/391	2N3700	SM UB	140V. NPN Switching Transistor	SEMICOA	34156			A. Ruitberg		2	Q2, Q3		☒	☐	☒	No Issues
Aug-02	31	Transistor		IRHE9130	MIL-PRF-19500/630	IRHE9130	LCC-18	100V. P-Channel MOSFET	IR	81483			A. Ruitberg		1	Q1		☐	☐	☐	Change part number to JANSR2N7389U. Action by Art Ruitberg
Aug-02	32	Microcircuit		5962-8771002QXA	MIL38510	LM158A	10 Pin Cerpak	Dual Low Power OpAmp	NS	0GD60			A. Ruitberg		2	U1, U2		☐	☐	☐	Change part number to suggested DSCC part number 5962L8771002VXA (50Krad). See the remarks column of the parts list. Action by Art Ruitberg.
Aug-02	33	Inductor		S311-320-LATACD-01	S311/320	LATACD01	Toroid	Inductor, MPP Core	GSFC				A. Ruitberg		1	L1		☐	☐	☐	Art Ruitberg to provide SCD for review and approval to the PCB
Aug-02	34	Xfmr, CM		S311-320-LATACD-02	S311/320	LATACD02	Toroid	Transformer, Common Mode	GSFC				A. Ruitberg		1	T2		☐	☐	☐	Art Ruitberg to provide SCD for review and approval to the PCB
Aug-02	35	Xfmr, Planar		S311-320-LATACD-03	S311/320	LATACD03	Planar	Transformer, Step Up	GSFC				A. Ruitberg		1	T1		☐	☐	☐	Parts are custom built and a new design. SCD to specify qualification, screening, and manufacturing control for review and approval. Details to be provided by Art Ruitberg prior to next PCB meeting.
Oct-02	36	Microcircuit		5962-8671101ZA	5962-86711	LM113	10 Pin Cerpak	1.22 Volt Reference Diode	NS	0GD60			A. Ruitberg		1	D25		☐	☐	☐	Part approved pending radiation testing data review.
Oct-02	37	Diode		TBR	TBR	SGB30UFSMS		3000V SM Diode	SSDI	30043			A. Ruitberg		1	D26		☐	☐	☐	Art to provide more details for completion of the review by 12/20/02
Oct-02	38	Connector						9 Pin MDM connector													

* NOT IN USE

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Nov-01	01	Analog ASICs (GAFE)	N/A	SCD	Agilent 0.5 µm process / SCD	SCD	OSE QFP44 or ASAT PQFP52A	ACD Analog ASIC	MOSIS	1EDR9			D. Sheppard		18			☒	☐	☐		ASIC, PEM. ACD program office to write a detailed functional and design specification. After manufacturing, parts will be RAD tested, screened and qualified to GSFC already approved process flow.
Nov-01	02	Digital ASIC (GARC)	N/A	SCD	Agilent 0.5 µm process / SCD	SCD	OSE QFP208 or ASAT PQFP208B	ACD Digital ASIC	MOSIS	1EDR9	☒	☒	D. Sheppard		1			☒	☐	☐		ASIC, PEM. ACD program office to write a detailed functional and design specification. After manufacturing, parts will be RAD tested, screened and qualified to GSFC already approved process flow.
Nov-01	03	Analog-to-Digital Converters (ADC)	N/A	MAX145AEUA (PEM)	SCD	MAX145	uMAX8	analog to digital converter	Maxim	1E566	☒	☒	D. Sheppard		18			☒	☐	☐		PEM. Qualification and screening will be performed as per approved GSFC / LAT PEM flow. Previous lot Rad data is ok. Flight lot to be Rad tested. LAT will provide parts to ACD.
Nov-01	04	Digital-to-Analog Converter (DAC)	N/A	MAX5121AEEEE (PEM)	SCD	MAX5121	QSOP16	digital to analog Converter	Maxim	1E566	☒	☒	D. Sheppard		1			☒	☐	☐		PEM. Qualification and screening will be performed as per approved GSFC / LAT PEM flow. Previous lot Rad data is ok. Flight lot to be Rad tested. LAT will provide parts to ACD.
Nov-01	05*	Voltage Reference w/ temp sensor	N/A	5962-9463601MPA	Rad tested - GSFC NSREC99, PPM-98-011	AD780	N/A	voltage reference	Analog Devices	24355	N/A	N/A	D. Sheppard		0			☒	☐	☒	NOT IN USE	
Nov-01	06	Operational Amplifier (R-R)	5996	MAX494ESD	Rad tested - GSFC NSREC99, PPM-98-018	MAX494(commercial)	14 SOIC	low power, RR op amp	Maxim	1E566	N/A	N/A	D. Sheppard		275			☒	☐	☐		Ceramic parts are not available unless 10,000 parts are order. The vendor does not have the parts in stock. Radiation testing software and board are yet to be prepared. 250 plastic parts available with Maxim and will be procured, rad tested, screened and qualified. Action by Dave Sheppard.
Nov-01	07*	Circular Connectors	5935	TBR	MIL-DTL-38999		Series III	79 pins, shell size 21	NPSL		N/A	N/A	D. Sheppard		2			☒	☐	☐	NOT IN USE	Unacceptable if cadmium plated. May also have unacceptable lubricant. Amphenol had LJT and JT series with (453) suffix that denotes space grade materials. Please specify the part accordingly on the part list for approval. OK, we'll update the list with a valid part number. We will wait for updated parts list prior for approval.
Nov-01	08	Tantalum Capacitors	5910	CWR06FC335KDB	CWR style per MIL-PRF-55365/4	CWR06	C case	3.3µF, 10V	NPSL		N/A	N/A	D. Sheppard		TBR			☒	☐	☒		No Issues
Nov-01	09*	Ceramic Capacitors	5910	TBR	SMT chip per MIL-PRF-123/10 and 11	CKS51 or CKS52	0805 or 1210	50V or 100V	NPSL		N/A	N/A	D. Sheppard		TBR			☒	☐	☐	NOT IN USE	
Nov-01	10*	Thick Film Resistors	5905	TBR	SMT chip per MIL-PRF-55342	RM705	705	chip resistor	NPSL		N/A	N/A	D. Sheppard		TBR			☒	☐	☒	NOT IN USE	
Nov-01	11*	Inductors	5950	TBR	MIL-PRF-39010	M39010/XX	TBR	choke	NPSL		N/A	N/A	D. Sheppard		0			☐	☐	☐	NOT IN USE	
Nov-01	12*	Wire	6145	TBR	MIL-W-22759		TBR	wire for harnessing	NPSL		N/A	N/A	D. Sheppard		0			☐	☐	☐	NOT IN USE	
Feb-02	13	Thermistor	5905	311P18-10S7R6	S-311-P-18	311P18		Copper wire 7.6cm length	YSI		N/A	N/A	D. Sheppard		2			☒	☐	☒		No Issues
Sep-02	14	Inverter		5962-8409101VXA	MIL-M-38510	CD54HC14	14 Cerdip	Hex Inverter with Schmitt Trigger	Microsemi	3BGN1			D. Sheppard		1			☐	☐	☒		No Issues
Sep-02	15	Shift Register		5962R9578601VEC	MIL-M-38510	HCS165DMSR	16 Cerdip	Shift Register, 8-bit Parallel-In, Serial-out	Intersil	1R8H6			D. Sheppard		1			☒	☐	☒		No issues
Sep-02	16	Diode		JANTXV1N4153-1	MIL-PRF-19500/337		DO-35		Microsemi	3BGN1			D. Sheppard		1			☒	☐	☒		No Issues
Sep-02	17*	Common-Mode Choke					41306, 2 wire	Custom Device			N/A	N/A	D. Sheppard		2			☒	☐	☒	NOT IN USE	
Oct-02	18	Circular Connectors	5935	JTP02RE-20-35P(453)	MIL-DTL-38999		Series II	79 pins	Amphenol		N/A	N/A	D. Sheppard		2			☒	☐	☒	NOT IN USE	
Oct-02	19*	Ceramic Capacitors	5910	M123A10XB472KS	SMT chip per MIL-PRF-123/10	CKS51	0805	50V, 4700 pF	AVX OR KEMET		N/A	N/A	D. Sheppard		150			☒	☐	☒	NOT IN USE	
Oct-02	20	Ceramic Capacitors	5910	M123A11XB473KS	SMT chip per MIL-PRF-123/11	CKS52	1210	50V, 47,000 pF	AVX OR KEMET		N/A	N/A	D. Sheppard		20			☒	☐	☒		No Issues
Oct-02	21	Thick Film Resistors	5905	M55342K06B10D0S	SMT chip per MIL-PRF-55342	RM0705	705	10 Ohms, 1%	SOA		N/A	N/A	D. Sheppard		TBR			☒	☐	☒		No Issues
Oct-02	22	Thick Film Resistors	5905	M55342K06B33D2S	SMT chip per MIL-PRF-55342	RM0705	705	33.2 Ohms, 1%	SOA		N/A	N/A	D. Sheppard		TBR			☒	☐	☒		No Issues
Oct-02	23	Thick Film Resistors	5905	M55342K06B49D9S	SMT chip per MIL-PRF-55342	RM0705	705	49.9 Ohms, 1%	SOA		N/A	N/A	D. Sheppard		TBR			☒	☐	☒		No Issues
Oct-02	24	Thick Film Resistors	5905	M55342K06B100DS	SMT chip per MIL-PRF-55342	RM0705	705	100 Ohms, 1%	SOA		N/A	N/A	D. Sheppard		TBR			☒	☐	☒		No Issues
Oct-02	25	Thick Film Resistors	5905	M55342K06B1E00S	SMT chip per MIL-PRF-55342	RM0705	705	1 kOhms, 1%	SOA		N/A	N/A	D. Sheppard		TBR			☒	☐	☒		No Issues
Oct-02	26	Thick Film Resistors	5905	M55342K06B3E32S	SMT chip per MIL-PRF-55342	RM0705	705	3.32 kOhms, 1%	SOA		N/A	N/A	D. Sheppard		TBR			☒	☐	☒		No Issues
Oct-02	27	Thick Film Resistors	5905	M55342K06B7E00S	SMT chip per MIL-PRF-55342	RM0705	705	7 kOhms, 1%	SOA		N/A	N/A	D. Sheppard		TBR			☒	☐	☒		No Issues
Oct-02	28	Thick Film Resistors	5905	M55342K06B10E0S	SMT chip per MIL-PRF-55342	RM0705	705	10 kOhms, 1%	SOA		N/A	N/A	D. Sheppard		TBR			☒	☐	☒		No Issues
Oct-02	29	Thick Film Resistors	5905	M55342K06B24E9S	SMT chip per MIL-PRF-55342	RM0705	705	24.9 kOhms, 1%	SOA		N/A	N/A	D. Sheppard		TBR			☒	☐	☒		No Issues
Oct-02	30	Thick Film Resistors	5905	M55342K06B30E0S	SMT chip per MIL-PRF-55342	RM0705	705	30 kOhms, 1%	SOA		N/A	N/A	D. Sheppard		TBR			☒	☐	☒		No Issues
Oct-02	31	Thick Film Resistors	5905	M55342K06B49E9S	SMT chip per MIL-PRF-55342	RM0705	705	49.9 kOhms, 1%	SOA		N/A	N/A	D. Sheppard		TBR			☒	☐	☒		No Issues
Oct-02	32	Thick Film Resistors	5905	M55342K06B100ES	SMT chip per MIL-PRF-55342	RM0705	705	100 kOhms, 1%	SOA		N/A	N/A	D. Sheppard		TBR			☒	☐	☒		No Issues
Oct-02	33	Thick Film Resistors	5905	M55342K06B1F00S	SMT chip per MIL-PRF-55342	RM0705	705	1 MOhms, 1%	SOA		N/A	N/A	D. Sheppard		TBR			☒	☐	☒		No Issues
Oct-02	34	Filter Inductor	5950	S311320-LATACD/0004B	S-311-320-LATACD-0004	S311320		0.6 mh	GSFC				D. Sheppard		2			☐	☐	☐		Details for updating the SCD were provided by Dave Sheppard. Tom Perry is updating the GSFC SCD to include these details. Parts will be made to new GSFC SCD. Status will be reviewed 12/20/02
Oct-02	35	Coaxial Connector	5935	141-0010-0001				Lepracon ultra-miniature, threaded	Microdot				D. Sheppard		18			☒	☐	☒		SCD prepared and under signature.
Oct-02	36	Micro D Miniature Connector	5935	M83513/19-A02NPO		M83513/19	Receptable	MDM 9 pin board mount connector, right angle	Airbom, ITT				D. Sheppard		2			☒	☐	☒		No Issues
Oct-02	37	Coaxial Cable		M17/93-RG178	MIL-C-17	M17/93		50 Ohm coax.	NPSL				D. Sheppard		18			☒	☐	☒		No Issues
Oct-02	38	Inverter		5962-R9568101VXC	MIL-M-38510	HCS14KMSR	14 Flatpack	Hex Inverter with Schmitt Trigger	Microsemi	3BGN1			D. Sheppard		1			☐	☐	☒		No Issues
Oct-02	39	Inverter		5962-R9578601VXC	MIL-M-38510	HCS165KMSR	16 Flatpack	Shift Register, 8-bit Parallel-In, Serial-out	Intersil	1R8H6			D. Sheppard		1			☐	☐	☒		No Issues
Oct-02	40	Ceramic Capacitors	5910	CDR31BX472BKSR	MIL-PRF-55681	CDR31	805	100V, 4700pF, 10%	Kemet	31433			D. Sheppard		150			☒	☐	☒		No Issues
Oct-02	41	Ceramic Capacitors	5910	CDR33BX473AKSR	MIL-PRF-55681	CDR33	1210	50V, 47,000 pF, 10%	Kemet	31433			D. Sheppard		20			☒	☐	☒		No Issues
Nov-02	42	Ceramic Capacitors	5910	CDR31BX330BKSR	MIL-PRF-55681	CDR31	805	100V, 33 pF, 10%	Kemet	31433			D. Sheppard		18			☐	☐	☐		

* NOT IN USE