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VXI MODEL
3000-66
Sixteen 1x4 Two-Wire
Switch Trees

Manual Part No. 07501180
REV A

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ASCOR 3000-66
Table of Contents

Part I:

Introduction
General Description
Weight and Dimensions
Features and Electrical Specifications

Part II:

Installation and Maintenance
Inspection
Installation and Removal
Logical Address Switch
Installing Module into Chassis
Removal of Module from VXI Chassis
Product Warranty
Warranty Service
Environmental Specifications

Part III:

Parts Lists
Assembly Drawings
Schematics

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Introduction

This manual provides information and specifications for the ASCOR model 3000-66.

General Description

This VXI module is composed of sixteen 1x4 relay two-wire switch trees. The relays are shielded reed type. The interface and mechanical construction meet the specifications of the VXI Bus System Specification, Rev 1.2 and 1.3.

Weight and Dimensions

Size:	"C" VXI
Thickness:	1.2 inches
Width:	10.32 inches
Length:	13.78 inches
Weight:	3 lbs.

Features and Electrical Specifications

Single wide VXI Module
Supports minimum bandwidth of 35 MHz
Rated 300 V non-switching with 0.4 A current
Isolation > 65 dB

Relay – DPST

Max Switching Power:	10 W
Max Switching Voltage:	500 V
Max Switching Current:	0.5 A
Max Carry Current:	1.0 A

Front Panel Connectors – 64 Pin: 3M p/n 3764-5302

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MODEL 3000-66

REGISTER MAP

REGISTER ADDRESS 32 BIT		ADDRESS 16 BIT		
ADDRESS	BIT	ADDRESS	BIT	RELAY
8000h	0	8000h	0	K1
	1		1	K2
	2		2	K3
	3		3	K4
	4		4	K5
	5		5	K6
	6		6	K7
	7		7	K8
	8		8	K9
	9		9	K10
	10		10	K11
	11		11	K12
	12		12	K13
	13		13	K14
	14		14	K15
	15		15	K16
	16	8002h	0	K17
	17		1	K18
	18		2	K19
	19		3	K20
	20		4	K21
	21		5	K22
	22		6	K23
	23		7	K24
	24		8	K25
	25		9	K26
	26		10	K27
	27		11	K28
	28		12	K29
	29		13	K30
	30		14	K31
	31		15	K32

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MODEL 3000-66

REGISTER MAP

REGISTER ADDRESS				
32 BIT		16 BIT		
ADDRESS	BIT	ADDRESS	BIT	RELAY
8020h	0	8020h	0	K33
	1		1	K34
	2		2	K35
	3		3	K36
	4		4	K37
	5		5	K38
	6		6	K39
	7		7	K40
	8		8	K41
	9		9	K42
	10		10	K43
	11		11	K44
	12		12	K45
	13		13	K46
	14		14	K47
	15		15	K48
	16	8022h	0	K49
	17		1	K50
	18		2	K51
	19		3	K52
	20		4	K53
	21		5	K54
	22		6	K55
	23		7	K56
	24		8	K57
	25		9	K58
	26		10	K59
	27		11	K60
	28		12	K61
	29		13	K62
	30		14	K63
	31		15	K64

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Model 3000

Installation and Maintenance

Table of Contents

Section 2

Installation and Maintenance..... .1

Inspection.....2

Installation and Removal.....2

Logical Address Switch..... 3

Installing Module into Chassis.....4

Removal of the Module from VXI Chassis.....4

Product Warranty.....5

Warranty Service.....6

Environmental Specifications.....7

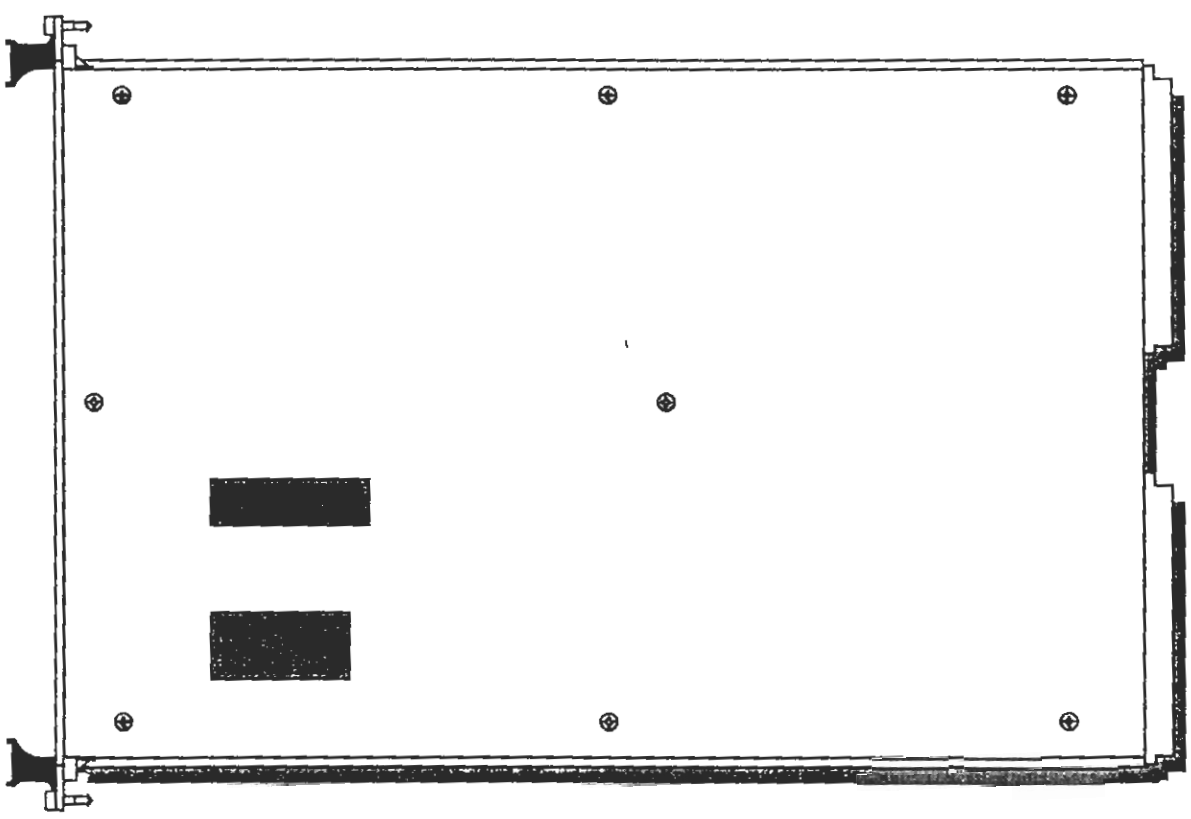
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Installation and Maintenance

Introduction

The Model 3000 chassis is shipped in operational condition, and is ready for use as received. This section contains inspection, removal and installation information to aid in setting up the module for immediate use.

All ASCOR VXI modules must pass a Factory Acceptance Test Procedure inspection before leaving the plant and are shipped in operational condition. Upon receipt, a receiving inspection test should be performed immediately after unpacking to ensure that the module is still operational.



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Inspection

After initial inspection of the Model 3000 chassis, each connector should be inspected for loose or broken contacts. Check for any visible damage to the module. If damage of any nature is found, notify the carrier and your ASCOR representative immediately.

Installation and Removal

WARNING

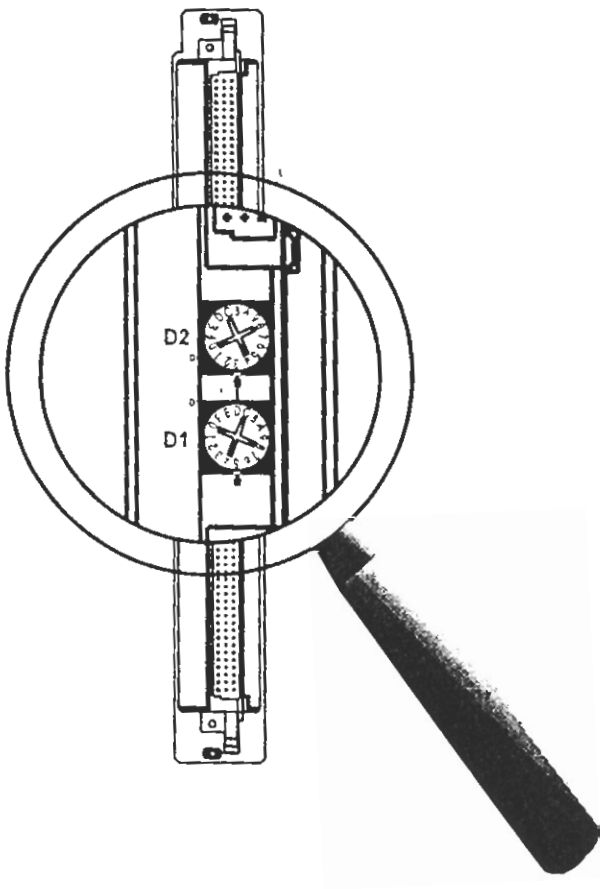
The VXI Chassis' power must be ***OFF*** *before installing or removing modules from the mainframe. Damage may occur if the modules are removed with the power still* ***ON.***

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Logical Address Switch

The Logical Address Switch of ASCOR Series 3000 Module can be changed manually using the two rotary switches located in theback of the module. These rotary switches represent the high and low hex digits of an eight bit Logical Address. Orient the Series 3000 module as shown in the illustartion below. The roatry switch on the bottom (D1) represents the high hex digit and the rotary switch at the top (D2) represents the low hex digit. Each rotary switch can be turned clockwise or counter-clockwise. Turn each totary switch until the desired hex digit is aligned with the small white dot on the left side of the rotary switch casing. Valid Logical Address for Static Configuration are between 01h (1) and Feh (254). The Logical Address of 00h (0) is reserved for Slot 0 computer. Do not set the Logical Address of ASCOR VXI Modules to 0. The example below shows the roatry switch settings for a Series 3000 Logical Address of 53.

ASCOR VXI Modules also support Dynamic Configuration methods of assigning Logical Addresses. In order for Dynamic Configuration to work properly the resource manager software must also support Dynamic Configuration. Set the rotary switches on the modules to Ffh (255) so that the resource manager software can dynamically assign Logical Addresses to ASCOR VXI Modules.



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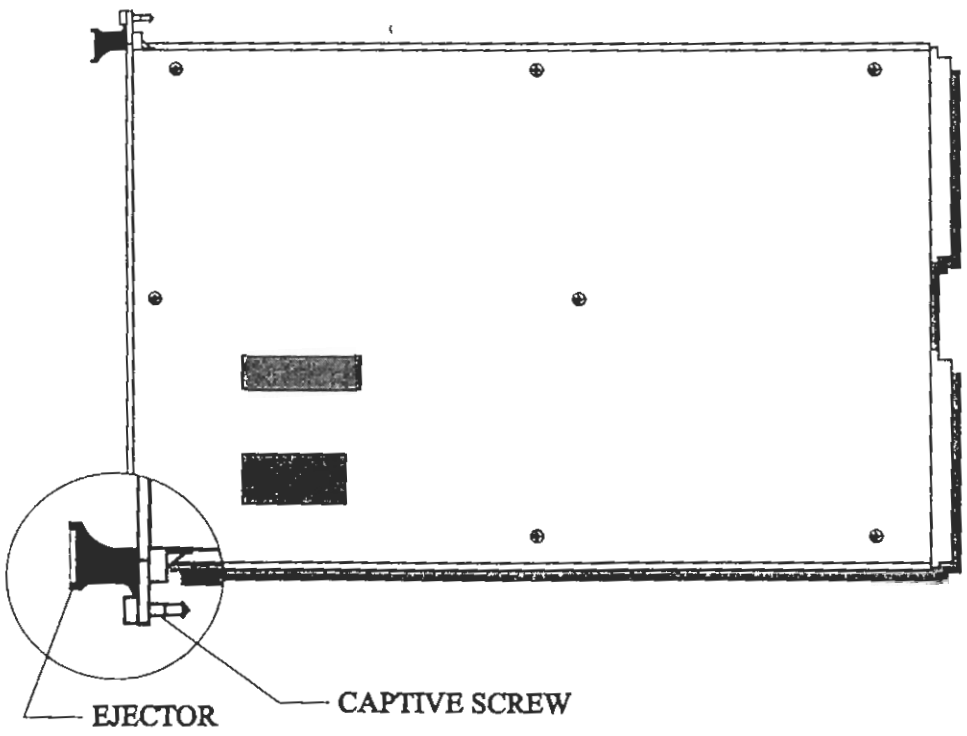
Installing the Module into VXI Chassis

The Model 3000 chassis is a standard size C, VXIbus Functional module. It is fitted into the VXI chassis by turning it to its vertical position with its Board to the left, and sliding it into any slot except slot 0.

Ejectors are located at the top and bottom of the panel. When removing the module, these operate as levers to ease the P1 and P2 connectors out of the backplane. When installing, the module should be gently pressed in to engage the connectors into the backplane, and when fully seated, the ejectors will be set at right angles to the surface of the front panel. Two captive screws, outboard of the ejectors, secure the module to the VXI chassis.

Removal of the Module from VXI Chassis

Two Captive screws, outboard of the ejectors, are unscrewed to release the module from the VXI chassis. Ejectors are located at the top and bottom of the front panel. These are forced gently outwards (top-up; bottom-down) to operate levers which ease P1 and P2 connectors out of the backplane. The module can then be pulled to slide it out of the slot.



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Product Warranty

Your ASCOR VXI module comes with a *3 year* limited warranty. ASCOR warranty obligations are described by and limited to the terms set forth below and apply only in the United States of America. ASCOR warrants this VXI module against defect in material and workmanship for a period of three (3) years from the date of purchase from ASCOR or an authorized ASCOR agent. This warranty applies only to the original purchaser of the VXI module and is not transferable unless authorized in writing by ASCOR in advance of such transfer. This warranty does not cover any incompatibilities due to the user's test environment, hardware, software or any other related system configuration in which the ASCOR VXI module interfaces. Proof of purchase will be required BEFORE any warranty consideration by ASCOR occurs.

This warranty does not cover any damage caused by negligence, non-authorized modifications or parts installed or removed without prior written permission from ASCOR.

This warranty does not apply if the VXI module has been damaged by accident, abuse, misuse, or misapplication, nor as a result of service to the product by anyone other than ASCOR or an authorized ASCOR representative. ASCOR VXI products are not designed for or permitted to be used in on-line control systems in hazardous environments such as operation of nuclear facilities, aircraft navigation or control or direct life support. If you use the ASCOR products in such hazardous environments this warranty is immediately null and void.

ASCOR IS NOT RESPONSIBLE FOR ANY LOST PROFITS, LOST SAVINGS OR ANY OTHER INCIDENTAL OR CONSEQUENTIAL DAMAGE ARISING OUT OF THE USE OF, OR INABILITY TO USE, THIS PRODUCT. THIS INCLUDES DAMAGE TO PROPERTY, AND TO THE EXTENT PERMITTED BY LAW, DAMAGES FOR PERSONAL INJURY. THIS WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES INCLUDING THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

No ASCOR employee, distributor, agent, seller, reseller or person(s) alleging to represent ASCOR is authorized to make any modification, extension or addition to this warranty. Some states may not allow limitation of implied warranties, or exclusion or limitation of incidental or consequential damages, so the above limitations may not apply to you. This warranty gives you specific legal rights. You may have other rights which may vary from state to state.

This warranty applies to all ASCOR VXI modules and is governed by the laws of the State of California.

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Warranty Service

All warranty service will be performed by ASCOR or ASCOR authorized personnel at ASCOR's facilities in Fremont, CA. Before a unit is returned for warranty service, Customer must contact ASCOR service department at (510-490-2300) to receive a Return Authorization (RA) number. This number must be prominently marked on the return package.

Upon receipt of the returned product, ASCOR will evaluate the warranty claim to ensure that the product does qualify for warranty coverage. ASCOR will notify the customer within 2 working days of receipt of the defective unit as to ASCOR's determination regarding warranty coverage and the length of time that will be required to repair or replace the defective unit or parts. The decision to repair or replace unit and or parts will be made by ASCOR.

If the returned product does not qualify for warranty service for any reason, ASCOR will advise customer. ASCOR will also advise customer of costs to repair or replace defective unit or parts so that customer may then decide what course of action will be taken.

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Environmental Specifications:

Temperature:

Operating: 0° to 55° Centigrade

Storage: -40° to 75° Centigrade

Relative Humidity:

Operating: 0 to 90% non-condensing

Storage: 0 to 95% non-condensing

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3000-66
Assembly and Schematic Drawings

PL90401180
Assy90401180
PL85003900
Assy85003900
SCH85003900
PL85003910
ASSY85003910
SCH85003910

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FOR ASSEMBLY: 90401180

FIND#	PART_NUMBER	COMPONENT_DESCRIPTION	REV	UM	QTY	CAGE_NO.	MFG_NAME	MFG_PART_NO.	REFERENCE_DESIGNATORS
.	PL90401180	PART LIST,MODULE ASSY,MDL 3000-66	1	EA	0	0B5C1...	ASCOR	PL90401180	
.	PI90401180	PROC INSTR,MODULE ASSY,MDL 3000-66		EA	0	0B5C1...	ASCOR	PI90401180	
.	07501180	MANUAL,MODEL 3000-66		EA	1	0B5C1...	ASCOR	07501180	
0001.	85003900	PCA,EIGHT 1X4 (2WIRE),MB	1	EA	1	0B5C1...	ASCOR	85003900	
0002.	85003910	PCB,EIGHT 1X4(2WIRE),DB	1	EA	1	0B5C1...	ASCOR	85003910	
0003.	78000690	COVER,.75 HIGH,	A	EA	1	0B5C1...	ASCOR	78000690	
0004.	78000700	COVER,.19 HIGH,	B	EA	1	0B5C1...	ASCOR	78000700	
0005.	78002680	PANEL FRONT,3000-66	1	EA	1	0B5C1...	ASCOR	78002680	
0006.	76001840	BLOCK,CTR PNL SUPPORT	1	EA	1	0B5C1...	ASCOR	76001840	
0007.	62300150	STANDOFF,1/4 HEX FEM,4-40 X 3/8,SS		EA	8	40337...	RAF	2102-440-SS-0	
0008.	79300170	LABEL,CAUTION ESD, .5 X 1.0	NEW	EA	1	0B5C1...	ASCOR	79300170	
0009.	62300170-001	STANDOFF,3/16 HEX M-F,4-40 X 3/16,SS	NEW	EA	8	40337...	RAF	62300170-001	
0010.	62300180-001	STANDOFF, M-F, 4-40 X 5/16, MODIFIED	NEW	EA	8	0B5C1...	ASCOR	62300180-001	
0011.	65000420-001	KIT,PCA EJECTOR HDL.,LESS ID.PLT 60511-1		EA	1	0B5C1...	ASCOR	65000420-001	
0012.	79300110	LABEL:SERIAL NUMBER, .875 X 1.75	NEW	EA	1	8J977...	CELLOTAPE	5-4-RF	
0013.	79300210-998	ID PLATE,MOD EJECTOR HDL,VXI LOGO	D	EA	1	0B5C1...	ASCOR	SEE 79300210-TAB	
0014.	79300210-999	ID PLATE,MOD EJECT HDL,ASCOR	D	EA	1	0B5C1...	ASCOR	SEE 79300210-TAB	
0015.	MS24693-1	SCREW, 4-40UNC-2A X 3/16,PLT 100D,CROSS		EA	17	96906...	MILSPEC	MS24693-1	
0016.	MS24693-2	SCREW, 4-40UNC-2A X 1/4,PLT 100D,CROSS		EA	1	96906...	MILSPEC	MS24693-2	
0017.	05200020	LOCTITE,#222 THREAD LOCKING,PINK		ML	1	05972...	LOCTITE	22231-LOC	
0018.	MS51957-10	SCREW, 2-56UNC-2A X 7/8,PAN,CROSS-REC		EA	2	96906...	MILSPEC	MS51957-10	
0019.	05200160	PRIMER,ZINC CHROMATE		OZ	1	V21925..	SHERWIN WILL	B50Y1	AS REQUIRED
0020.	79300570	LABEL,1.0 X 1.0,VXIMAX		EA	1	V20997..	FUJITA GRAPH	79300570	
0021.	05200210	ADHESIVE,CYANOACRYLA #3805		OZ	1	05972...	LOCTITE	3805	AS REQUIRED
0022.	40300120	LBD,PANEL MOUNT		EA	2	57706...	INDUS.DEVICE	5110P5-5V	
0023.	62010507	NUT,M2.5,SELF-CLINCHING,NICKEL		EA	2	22589...	ELECTROSPACE	750	
0024.	60010507	SCREW,M2.5 X 11,PAN,SLOTTED,		EA	2	22589...	ELECTROSPACE	700	
0025.	AN960C3	WASHER,#3 ,FLAT,.031 THK,SS		EA	2	88044...	MILSPEC	AN960C3	

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FOR ASSEMBLY: 85003900

FIND#	PART_NUMBER	COMPONENT_DESCRIPTION	REV	UM	QTY	CAGE_NO.	MFG_NAME	MFG_PART_NO.	REFERENCE_DESIGNATORS
.	PI-GENERIC PCB	PROC.INSTR;GENERIC PCB	A	EA	0	0B5C1	ASCOR	PI-GENERIC PCB	
.	PL85003900	PART LIST;PCA,EIGHT 1X4 (2 WIRE),MB	1	EA	0	0B5C1	ASCOR	PL85003900	
.	SCH85003900	SCHEMATIC;PCA,EIGHT 1X4 (2 WIRE),MB	1	EA	0	0B5C1	ASCOR	SCH85003900	
.	FLM75003900	FILM;PCA,EIGHT 1X4 (2 WIRE),MB		EA	0	0B5C1	ASCOR	FLM75003900	
0001.	75003900	PCA,EIGHT 1X4 (2 WIRE),MB	A	EA	1	0B5C1	ASCOR	75003900	
0003.	12500190-001	CAP,10 UF,10V,TANTALUM,SMD		EA	7	96095	AVX CORP	TAJC106K010R	C101,C114,C115,C126,C127,C132,
0003.	12500190-001	CAP,10 UF,10V,TANTALUM,SMD		EA	7	96095	AVX CORP	TAJC106K010R	C133
0004.	12500010-001	CAP,0.1 UF,50V,20%,CERAMIC,CHIP,SMD		EA	24	31433	KEMET	C1206C104M5UAC/C7800	C102,C104-C113,C116-C125,C128,
0004.	12500010-001	CAP,0.1 UF,50V,20%,CERAMIC,CHIP,SMD		EA	24	31433	KEMET	C1206C104M5UAC/C7800	C129,C130
0006.	52000060-015	FUSE,PICO,10 AMP, SERIES 251		EA	1	7E222	LITTLEFUSE	251 010	F1
0007.	38100140	IC,CUSTOM,16-BIT REG,64TQFP		EA	2	V21198	ILSI	38100140	U5,U6
0008.	37000160-001	IC,2803,8CH DRIVER,SOIC		EA	4	60496	MICREL	MIC2803BWM	U1-U4
0009.	10600370-001	RESNTWK,10K OHM, 8R,BUSS,SMT		EA	4	80294	BOURNS	CAT25-103JA	R1-R4
0011.	12200040	CAP,1 UF,50V,20%,MULTILAYER		EA	1	59821	MEPCO	K105M30Z5UFVCXD	C103
0012.	RNC55H1003FS	RES,100K OHM,1/10W,1%,FILM		EA	1	81349	MILSPEC	RNC55H1003FS	R103
0013.	RNC55H3010FS	RES,301 OHM,1/10W,1%,FILM		EA	2	81349	MILSPEC	RNC55H3010FS	R115,R117
0015.	30200573-001	IC,74ALS573,OCT D-TYPE TRANS LCH,SOIC		EA	3	01295	TI	SN74ALS573BDW	U104,U105,U107
0016.	30200641-101	IC,74ALS641A-1,OCT BUS XCVR,SO1C		EA	2	01295	TI	SN74ALS641A-1DW	U102,U114
0017.	30800245-001	IC,74ABT245,OCTAL TRANSCEIVER,SMD		EA	13	1CH66	SIGNETICS	74ABT245D	U101,U108,U109,U111,U113,U115,
0017.	30800245-001	IC,74ABT245,OCTAL TRANSCEIVER,SMD		EA	13	1CH66	SIGNETICS	74ABT245D	U116,U118,U119,U120-U123
0018.	51400060	SWITCH,16 POS,ROTARY DIP,HEXADECIMAL CM		EA	2	91506	AUGAT	DRW16CRA	D1,D2
0020.	10600050	RESNTWK,330/470 OHM,1.7W,2%,10P/8PR,TERM		EA	9	91637	DALE	CSC10A-05-331/471G	R104,R105,R107-R110,
0020.	10600050	RESNTWK,330/470 OHM,1.7W,2%,10P/8PR,TERM		EA	9	91637	DALE	CSC10A-05-331/471G	R112-R114
0021.	RNC55H8250FS	RES,825 OHM,1/10W,1%,FILM		EA	1	81349	MILSPEC	RNC55H8250FS	R111
0028.	37500090-001	IC,28C64,EEPROM,8KX8 CMOS,PLCC,150NS		EA	1	0DUN9	SAMSUNG	KM28C64AJ-15	U106
0029.	38100020	IC,CUSTOM GATE ARRAY-VX1 BUS INTERFACE		EA	1	V21198	ILS	38100020(CM1204-128Q	U112
0030.	30400123-001	IC,74HCT123,MULTIVIBRATOR,MONOS,SML OUTL		EA	1	1CH66	SIGNETICS	SN74HCT123D	U110
0032.	79300170	LABEL,CAUTION ESD,.5 X 1.0	NEW	EA	1	0B5C1	ASCOR	79300170	
0033.	60010506	SCREW,M2.5X.45X10,PAN,SLOTTED		EA	4	46467	AROW	DIN85A	P1,P2
0034.	62003010	NUT,M2.5 X .45,PLAIN HEX,S.S		EA	4	46467	AROW	DIN 934	P1,P2
0035.	SN63WRMAP2	SOLDER,TIN ALLOY:TIN-LEAD ALLOY		EA	0	81348	MILSPEC	SN63WRMAP2	AS REQUIRED
0036.	79300360	LABEL,BRADY PRINTER,.75 X .25		EA	1	OFTJ9	W.H.BRADY	THT 1-423-10	
0038.	10600030	RESNTWK,10K OHM,1.7W,2%,10P/9R,BUSS,SI		EA	5	91637	DALE	CSC10A-01-103G	R106,R118-121
0039.	89103060	IC,PGM PAL,STROBE FILTER,26V12	A	EA	1	0B5C1	ASCOR	89103060	U117
0040.	59900090	JUMPER,24AWG,.1" SPACE		EA	2	63058	MCKENZIE	JO.100X0.125-TEP-24	J505,J506-1
0044.	05200250	ADHESIVE; LOCTITE 444		OZ	0	05972	LOCTITE	05200250	AS REQUIRED
0045.	89103240	IC,PAL,GLUE D2D		EA	1	0B5C1	ASCOR	89103240	U103
0046.	56100360	CONN,96 POS,DIN,RA		EA	2	V20912	ELCO	10-8457-096-002-025	P1,P2
0048.	12500290-001	CAP,CHIP,0805,.1 UF,50V		EA	8	96095	AVX	08052E104M500BA	C1-C8
0049.	50100660	RELAY, REED FORM A, 500V		EA	32	71707	COTTO	2600-0307	K1-K32
0050.	89104621	IC,DECODER,SRD*,SWR*,SCR*		EA	1	0B5C1	ASCOR	37500130-001	U124
0051.	56103500-001	CONN,64 POS,RT ANG,LCH HDR,MOD	1	EA	2	0B5C1	ASCOR	561003500-001	J1,J2
0052.	56102740	CONN,70 PIN X .050 ST RECP		EA	1	55322	SAMTEC	TFM-135-21-S-D	P3
0053.	10600060	RESNTWK,10K OHM,1.5W,2%,9P/8R,BUSS,SIP		EA	2	91637	DALE	CSC09A-01-103G	R101,R102
0054.	70000010	WIRE,28 AWG,SINGLE,TEF,WIREWRAP,BLUE		FT	0	9X418	OK INDUST	CSW28B1000	AR

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XXUFQ SIMPLE BILL OF MATERIAL LISTING QUICKBOM 12/13/1999
FOR ASSEMBLY: 85003910

FIND#	PART_NUMBER	COMPONENT_DESCRIPTION	REV	UM	QTY	CAGE_NO.	MFG_NAME	MFG_PART_NO.	REFERENCE_DESIGNATORS
.	PL85003910	PART LIST;PCB,EIGHT 1X4(2WIRE),DB	1	EA	0	0B5C1...	ASCOR	PL85003910	
.	PI-GENERIC PCB	PROC.INSTR;GENERIC PCB	A	EA	0	0B5C1...	ASCOR	PI-GENERIC PCB	
.	FLM75003910	FILM;PCB,EIGHT 1X4(2WIRE),DB		EA	0	0B5C1...	ASCOR	FLM75003910	
.	DSK75003910	DISK;PCB,EIGHT 1X4(2WIRE),DB		EA	0	0B5C1...	ASCOR	DSK75003910	
.	SCH85003910	SCHEMATIC;PCB,EIGHT 1X4(2WIRE),DB	1	EA	0	0B5C1...	ASCOR	SCH85003910	
0001.	75003910	PCB,EIGHT 1X4(2WIRE),DB	BA	EA	1	0B5C1...	ASCOR	75003910	
0003.	12500190-001	CAP,10 UF,10V,TANTALUM,SMD		EA	5	96095...	AVX CORP	TAJC106K010R	C1-C4,C12
0004.	12500010-001	CAP,0.1 UF,50V,20%,CERAMIC,CHIP,SMD		EA	12	31433...	KEMET	C1206C104M5UAC/C7800	C5-C11,C13,C18-C21
0005.	12500290-001	CAP,CHIP,0805,.1 UF,50V		EA	8	96095...	AVX	08052E104M500BA	C14-C17,C22-C25
0006.	30800245-001	IC,74ABT245,OCTAL TRANSCEIVER,SMD		EA	6	1CH66...	SIGNETICS...	74ABT245D	U6-U10,U16
0007.	10600060	RESNTWK,10K OHM,1.5W,2%,9P/8R,BUSS,S1P		EA	1	91637...	DALE	CSC09A-01-103G	R3
0008.	50100660	RELAY, REED FORM A, 500V		EA	32	71707...	COTTO	2600-0307	K33-K64
0009.	56102700	CONN,70 PIN X .050		EA	1	55322...	SAMTEC	SFM-135-L1-S-D-LC...	P3
0012.	79300170	LABEL,CAUTION ESD,.5 X 1.0	NEW	EA	1	0B5C1...	ASCOR	79300170	
0015.	10600030	RESNTWK,10K OHM,1.7W,2%,10P/9R,BUSS,S1		EA	4	91637...	DALE	CSC10A-01-103G	R6-R9
0016.	51400080	SWITCH,5 POS,DIP,UP IS ON		EA	1	91506...	AUGAT	ADPA05	SW1
0018.	56103500	CONN,64 POS,RT ANGLE,LATCH,HEADER		EA	2	67129...	3M	3764-5302	J3,J4
0019.	70000010	WIRE,28 AWG,SINGLE,TEF,WIREWRAP,BLUE		FT	0	9X418...	OK INDUST...	CSW28B1000	AS REQUIRED
0020.	37000160-001	IC,2803,8CH DRIVER,SOIC		EA	4	60496...	MICREL	M1C2803BWM	U1-U4
0021.	38100140	IC,CUSTOM,16-BIT REG,64TQFP		EA	2	V21198..	ILSI	38100140	U11,U12
0022.	10600370-001	RESNTWK,10K OHM, 8R,BUSS,SMT		EA	4	80294...	BOURNS	CAT25-103JA	R1,R2,R4,R5
0023.	89104621	IC,DECODER,5RD*,5WR*,5CR*		EA	1	0B5C1...	ASCOR	37500130-001	U5
0025.	79300360	LABEL,BRADY PRINTER,.75 X .25		EA	1	OFTJ9...	W.H.BRADY...	THT 1-423-10	
0026.	70000010	WIRE,28 AWG,SINGLE,TEF,WIREWRAP,BLUE		FT	0	9X418...	OK INDUST...	CSW28B1000	AR
0027.	05200250	ADHESIVE; LOCTITE 444		OZ	0	05972...	LOCTITE	05200250	AR
0035.	SN63WRMAP2	SOLDER,TIN ALLOY:TIN-LEAD ALLOY		EA	0	81348...	MILSPEC	SN63WRMAP2	

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