

PARTS LIST	 SMITHS INDUSTRIES <i>Aerospace</i>	CONTRACT NO.	PL191006	REV 3
Signal Processing Systems 13112 Evening Creek Dr. S. San Diego, CA 92128		CAGE CODE 1G3P5	SIZE A	SHEET 1 of 3

TITLE PWA, A/B READER, FILTER / POWER	DRAWN	MARK HERMAN	DESIGN ASSURANCE
	CHECKED		PROJECT ENG
	ENGINEER		APPROVED
	MFG ENG		

APPLICATION		REVISIONS			
NEXT ASSY/ SYSTEM	TAB NO.	REV	ECO	DESCRIPTION	APVD
END ITEM 925 MHz	00	1		PRE PRODUCTION RELEASE	
		2		CHANGED ITEMS 9, 10, 14, 20	

NOTES: UNLESS OTHERWISE SPECIFIED:
1.VENDOR ITEM, SEE SPECIFICATION CONTROL DRAWING AND/OR VENDOR ITEM DRAWING.

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PARTS LIST Signal Processing Systems 13112 Evening Creek Dr. S. San Diego, CA 92128	CAGE CODE 1G3P5	PL191006	REV 3
			SHEET 2

ITEM NO.	03 QTY	02 QTY	01 QTY	00 QTY	PART NO.	TITLE	DESCRIPTION	REF DES	DOCUMENTS, NOTES OR SPECIFICATIONS
1				X		ASSY			
2									
3									
4									
5									
6				1	19100800	PRINTED WIRING ASSY, A/B SWITCH FILTER / POWER			
7									
8				1	28256400	POWER SUPPLY, 12 VDC IN, 12 VDC OUT	40 WATT MAXIMUM OUT	PS1	SEE NOTE 1
9				1	28256301	POWER SUPPLY, 12 VDC IN, 5 VDC OUT	10.0 WATT MAXIMUM OUT	PS2	SEE NOTE 1
10				ALT 10	28256300	POWER SUPPLY, 12 VDC IN, 5 VDC OUT	7.5 WATT MAXIMUM OUT	ALTERNATE FOR PS2 ITEM 9	SEE NOTE 1
11				1		RESISTOR	12.5 VOLT TRIMMING		SEE NOTE 1
12									
13				2	28255400	CONNECTOR, 9 POS MALE, (PINS) PCB MTG		J2,J3	SEE NOTE 1
14				5	28255405	CONNECTOR, 9 POS FEMALE, (SKT) PCB MTG		J1,J4,J5,J6,J7	SEE NOTE 1
15				1	28255408	CONNECTOR, 37 POS FEMALE, (PINS) PCB MTG		J8	SEE NOTE 1
16				1	28255402	CONNECTOR, 25 POS MALE, (PINS) PCB MTG		J9	SEE NOTE 1
17				1	28255407	CONNECTOR, 25 POS, FEMALE, (SKT) PCB MTG		J10	SEE NOTE 1
18				2	28257600	CONNECTOR, 3 POS POWER, VERTICAL MOUNT		J12,J13	SEE NOTE 1
19									
20				43	28130518	CAPACITOR, CERAMIC, 1000Pf, 50 WVDC	NOT USED C18,27,28,37	C1-C45,C50,52	SEE NOTE 1
21				6	28046609	CAPACITOR, TANT SLUG, 100µF, 20 WVDC		C51,C53,C46-C49	SEE NOTE 1
22									
23				2	28255600	INDUCTOR, COMMON MODE, 2.2µH		T1,T2	SEE NOTE 1
24				4	28255500	INDUCTOR, 100µH		L1-L4	SEE NOTE 1
25									
26									
27				3	28256200	FASTON TAB, .250 WIDE PCB MOUNT		E1-E3	SEE NOTE 1

PARTS LIST		 SMITH'S INDUSTRIES Aerospace		CONTRACT NO.	PL191000		REV 5
Signal Processing Systems 13112 Evening Creek Dr. S. San Diego, CA 92128				CAGE CODE 1G3P5		SIZE A	SHEET 1 of 4

TITLE		DRAWN	MARK HERMAN	DESIGN ASSURANCE	
CHASSIS ASSEMBLY, A/B READER		CHECKED		PROJECT ENG	
		ENGINEER		APPROVED	
		MFG ENG			

APPLICATION		REVISIONS				
NEXT ASSY/ SYSTEM	TAB NO.	REV	ECC	DESCRIPTION	DRAFT	CHECK
END ITEM 925 MHz	00	1		PRE PRODUCTION RELEASE		APVD
		2	10/16/00	Changed part numbers items 26-32 raytheon directed change, changed input conn. item 34		
		3	10/20/00	CHANGED PART NUMBER ITEM 46		
		4		BACK TO N-SMA ADAPTERS, ADDED EXTERNAL LED		

- NOTES: UNLESS OTHERWISE SPECIFIED:
- VENDOR ITEM, SEE SPECIFICATION CONTROL DRAWING AND/OR VENDOR ITEM DRAWING.
 - CUSTOMER SUPPLIED PART

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PARTS LIST Signal Processing Systems 13112 Evening Creek Dr. S. San Diego, CA 92128	CAGE CODE 1G3P5	PL191000	REV 5
			SHEET 2

ITEM NO.	03 QTY	02 QTY	01 QTY	00 QTY	PART NO.	TITLE	DESCRIPTION	REF DES	DOCUMENTS, NOTES OR SPECIFICATIONS
1				X		ASSY			
2									
3									
4									
5									
6				REF		Test Procedure, A/B Procedure			191001
7									
8									
9									
10				1	19100200	CHASSIS, A/B READER			
11				1	19100300	COVER, A/B READER			
12				1	19100400	EMI GASKET, A/B READER			
13				1	19100500	LABEL, A/B READER			
14				1	19101500	BRACKET, VRC SUPPORT			
15				1	19100600	CIRCUIT CARD ASSY, ADAPTER, FILTER/POWER		A4A, A4B	
16									
17				1	28110715	LAMP ASSY, LED			SEE NOTE 1
18									
19				1	19101000	CABLE ASSY, TR SWITCH TO ADAPTER	9 PIN D-SUB, F/F	W1	
20				1	19101001	CABLE ASSY, VRC RANGE EXTENSION MODULE TO ADAPTER	9 PIN D-SUB, F/F	W2	
21									
22				1	19101300	CABLE ASSY, REAR PANEL PWA TO FRONT PANEL PWA	25 PIN D-SUB	W3	
23				5					
24				1	19101100	CABLE ASSY, ADAPTER TO VRC CARD	37 PIN D-SUB	W4	
25				1	19102000	CABLE ASSY, POWER		W12	
26				1	19101700	CABLE ASSY, SEMI RIGID	ANT1-TRSW J3	W5	
27				1	19101701	CABLE ASSY, SEMI RIGID	ANT2-TRSW J4	W6	
28				1	19101702	CABLE ASSY, SEMI RIGID	ANT3-TRSW J5	W7	

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			SHEET 4

ITEM NO.	03 QTY	02 QTY	01 QTY	00 QTY	PART NO.	TITLE	DESCRIPTION	REF DES	DOCUMENTS, NOTES OR SPECIFICATIONS
59				16	MS35338-135	WASHER, SPLIT LOCK, #4			
60				4	MS21043-08	NUT, .164-32 LKG	TR SWITCH MOUNTING		
61				2	MS21043-04	NUT, .112-40 LKG	PWR CONN MOUNTING		
62				1	MS21043-3	NUT, .190-32 LKG	GND STUD		
63				10	28108306	STANDOFF, M/F, .112-40 X .312 LG	CONNECTORS J1-J5		SEE NOTE 1
64									
65				1	28133401	RING LUG, #10 STUD, 14-16 GAUGE WIRE			SEE NOTE 1
66				2	28091411	FASTON LUG, .25 WIDE			SEE NOTE 1
67									SEE NOTE 1
68									
69				A/R	M22759/18-16-0	WIRE, BLACK, 16 AWG			
70				A/R	M22759/18-16-2	WIRE, RED, 16 AWG			
71				A/R	M22759/18-16-5	WIRE, GREEN, 16 AWG			
72				A/R	M22759/18-14-5	WIRE, GREEN, 14 AWG			