

SNS-ANALOG VACUUM INTERLOCK CARD  
EEC9001234-1008- AVIC  
5/2/2003

ITEM	STOCK #	MFG.	PART #	DESCRIPTION	QTY	REFERENCE DESIGNATOR
<b>CAPACITORS</b>						
1		PANASONIC / DIGI-KEY	ECJ-2VB1H102K / PCC102BNCT-ND	.001 MFD CC805 PKG	6	C50, C51, C53, C55, C56, C58
2		PANASONIC / DIGI-KEY	ECJ-2VB1H272K / PCC272BNCT-ND	.0027 MFD CC805 PKG	3	C16, C22, C35
3		PANASONIC / DIGI-KEY	ECJ-2YB1H563K / PCC1837CT-ND	.056 MFD CC805 PKG	3	C38, C41, C44
4		PANASONIC / DIGI-KEY	ECJ-2YB1H104K / PCC1840CT-ND	.1 MFD CC805 PKG	40	C1-C4, C6, C8, C9, C11-C14, C17-C20, C23, C25-C28, C30, C31, C36, C37, C39, C40, C42, C43, C45, C46, C48, C49, C52, C54, C57, C59, C60, C62-C64
5		PANASONIC / DIGI-KEY	ECJ-2FF1E105Z / PCC2230CT-ND	1 MFD CC805 PKG	2	C32, C47
6		PANASONIC / DIGI-KEY	ECJ-2FF1E225Z / PCC2231CT-ND	2 MFD CC805 PKG	3	C15, C29, C34
7		NICHICON	UVK1E220MER	22 MFD RADIAL LEAD .250 LS POLARIZED	3	C5, C6, C61
8		NICHICON	UVK1E331MER	330 MFD RADIAL LEAD .250 LS POLARIZED	4	C10, C21, C24, C33
<b>TRANSISTORS</b>						
9	5962-12010	MOTOROLA	2N2222	BIPOLAR NPN SILICON 40V 500MW TO-18 PKG	3	Q1-Q3
<b>RESISTORS, POTS &amp; RESISTOR NETWORKS</b>						
10	5905-70415	BOURNS	3299Y-1-203	20K POTENTIOMETER	12	R11, R15, R19, R24, R28, R32, R43, R49, R55, R88, R93, R98
11		VISHAY	CRCW12062001F	2K 1/4W 1% 1206 PKG	6	R1, R7, R37, R61, R83, R104
12		VISHAY	CRCW12063014F	3.01M 1/4W 1% 1206 PKG	12	R9, R13, R17, R23, R27, R31, R40, R46, R52, R63, R67, R71
13		VISHAY	CRCW12064991F	4.99K 1/4W 1% 1206 PKG	3	R57, R58, R60
14		VISHAY	CRCW12061002F	10K 1/4W 1% 1206 PKG	12	R10, R14, R18, R25, R29, R33, R42, R47, R53, R65, R69, R73
15		VISHAY	CRCW12061102F	11K 1/4W 1% 1206 PKG	3	R4-R6
16		VISHAY	CRCW12064992F	49.2K 1/4W 1% 1206 PKG	20	R36, R76-R81, R100-R103, R105-R113
17		VISHAY	CRCW12066042F	60.4K 1/4W 1% 1206 PKG	12	R39, R41, R45, R48, R50, R54, R84, R87, R89, R92, R94, R97
18		VISHAY	CRCW12061000F	100 OHM 1/4W 1% 1206 PKG	3	R64, R68, R72
19		VISHAY	CRCW12061003F	100K 1/4W 1% 1206 PKG	24	R8, R12, R16, R22, R26, R30, R38, R44, R51, R62, R66, R70, R114-R125
20		VISHAY	CRCW12061783F	178K 1/4W 1% 1206 PKG	3	R20, R34, R74
21	5905-19100	VISHAY	CPF-2221	221 OHMS 2W	3	R56, R59, R82
22		VISHAY	CRCW12063013F	301K 1/4W 1% 1206 PKG	12	R2, R3, R21, R35, R75, R85, R86, R90, R91, R95, R96, R99
<b>INTEGRATED CIRCUITS</b>						
23	5966-11130	TEXAS INSTRUMENTS	CD4027BE	DUAL J-K MASTER FLIP-FLOP, DIP 16 PKG	3	U1-U3
24	5966-11220	TEXAS INSTRUMENTS	CD4049	HEX INVERTING BUFFER, DIP 16 PKG	3	U11, U20, U28
25	5966-11230	TEXAS INSTRUMENTS	CD4050	HEX NONINVERTING BUFFER, DIP 16 PKG	2	U30, U31
26	5966-11310	TEXAS INSTRUMENTS	CD4071BE	QUAD 2 INPUT OR, DIP 14 PKG	1	U6
27		TEXAS INSTRUMENTS	CD4073BE	TRIPLE THRE INPUT AND GATE, DIP 14 PKG	2	U12, U21
28		TEXAS INSTRUMENTS	CD4082BE	DUAL FOUR INPUT AND GATE, DIP 14 PKG	2	U13, U23
29	5966-11420	FAIRCHILD	CD4538BCN	DUAL PRECISION MONOSTABLE, DIP 16 PKG	2	U5, U27
30		TEXAS INSTRUMENTS	CD4541BCN	PROGRAMMABLE TIMER, DIP 14 PKG	3	U4, U10, U19
31		TEXAS INSTRUMENTS	LM358N	LOW POWER DUAL OP AMP, DIP 8 PKG	3	U24-U26
32	5966-11380		MC14490	HEX CONTACT BOUNCE ELIMINATOR, DIP 16 PKG	2	U22, U29
33	5966-12095	TEXAS INSTRUMENTS	TLC372CP	DUAL DIFFERENTIAL COMPARATOR, DIP 8 PKG	6	U7-U9, U16-U18
34			UND-6118A	DIP 18 PKG	2	U134, U15
<b>CONNECTORS</b>						
35	5935-20095	ERNIE	533401	64 PIN DIN	1	P1
<b>MISC.</b>						
36	5961-10140		1N5240	ZENER DIODE DO-35 PKG	9	D7, D8, D12-D18
37	5961-20100		1N4148	DIODE	3	D2, D4, D11
38		DIALIGHT	553-0122	DUAL LED, GREEN	3	D1, D3, D5
39	5935-62080	AMP	1-103185-0	3 POSITION JUMPER	16	J1-J16
40	5935-62070	KEYSTONE ELECTR	5007 (NEWARK # 52F7284)	TEST POINT	45	TP1-TP45
41		VARIOUS	EEC9001234-1006	BOARD, BARE	1	
42			EEC9001234-1009 (2 CH.)	FRONT PANEL ASSEMBLY, 3Ux8HP	1	
43		SCHROFF	21100-138	SCREW, METRIC M2.5 x 10mm	4	
44		SCHROFF	21100-170	NUT, METRIC M2.5	4	



**TITLE**  
SNS VACUUM SYSTEM  
BEAMLINE/WAVEGUIDE  
ANALOG VACUUM INTERLOCK CARD(AVIC)  
ASSEMBLY DRAWING

**SCALE**  
1X

**SIZE**  
B

**REV.**  
1

**DRAWING NO.**  
EEC9001234-1008

**SHEET**  
2 OF 2

DWG. NO. EEC9001234-1008 SH. 2 REV. 1