

10502152  
REV 1  
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ARRAY DEFINITION	10209800-1 P/LW				10209800-2 P/MW				10209800-3 P/SW				10209800-4 S/LW		10209800-5 S/SW	
	J05	J06	J01	J02	J03	J04	J01	J02	J03	J04	J05	J06	J05	J06	J05	J06
PIXEL MAP	A	R1	E1	A13	R1	A7	E7	R1	E1	D6	F12	D11	G5	R1	R1	J06
	B	A8	E2	T1	G1	A6	D7	D16	F1	B6	I11	A10	H6	T1	A4	—
	C	A7	E3	B12	T2	B6	F7	T1	T2	C5	E12	E10	I6	C1	A3	—
	D	A6	E4	C13	E1	C7	E8	B16	H1	A5	H12	C10	F6	DK1	A2	—
	E	A9	D1	A12	D1	A5	G8	C15	G1	E5	G12	B10	G6	B1	A1	—
	F	C9	D2	D12	F1	B5	F8	A15	I1	B5	F13	D10	H7	D1	DK1	—
	G	B8	D3	C12	E2	C6	E9	D15	H2	D5	E13	A9	F7	E1	B3	G3
	H	B7	D4	B11	G2	D6	G9	B15	F2	C4	I12	E9	I7	A1	B2	G4
	I	C7	C1	A11	F2	B4	D9	C14	I2	A4	H13	C9	G7	C2	B1	DK2
	J	B5	C3	E13	G3	C5	F9	D14	G2	D4	C13	B9	H8	D2	C3	F5
	K	B6	C5	D11	E3	D4	E10	A14	H3	B4	F14	D9	F8	B2	C2	F4
	L	A5	T2	C11	D3	A4	G10	A13	I3	C3	E14	A8	C8	E2	C1	E6
	M	T1	E5	B10	F3	C4	F10	B14	E2	B3	I13	C8	I8	A2	D3	E5
	N	B4	C6	A10	C4	B3	E11	C13	F3	A3	H14	E8	F9	C3	D2	E4
	P	C4	C8	D10	E4	C3	G11	B13	G3	A2	G14	D8	H9	D3	D1	D7
	R	B3	D5	B9	F4	B2	F11	D13	H4	D3	I14	B8	G9	B3	E3	D6
	S	C2	D6	C10	E5	D2	E12	A12	I4	C2	F15	C7	I9	E3	E2	D5
	T	B2	D7	C9	D5	A3	G12	C12	E3	B2	H15	E7	F10	C4	E1	D4
	U	B1	D8	A9	F5	A2	F12	D12	F4	D2	I15	A7	H10	DK2	F3	C6
	V	A3	E7	B8	G5	C2	G13	E12	H5	C1	G15	B7	F11	C5	F1	C4
	W	A1	E8	A8	E6	B1	DK2	E11	H5	B1	H16	C6	I10	B4	G1	B5
	X	E6	DB	G6	A1	T/C	A11	E4	B1	DK2	E6	H11	A3	T1	B4	T2
	Y	DK1	E9	C8	F6	DK1	C11	I5	F5	D1	E15	A6	G11	A3	G2	—
	Z	A2	—	B7	G7	C1	T/C	B11	F5	—	—	—	—	—	—	—
JFET INTERFACE	AA	HSJFP7 J13	HSJFP8 J15	HSJFP9 J17	HSJFP10 J19	HSJFP11 J21	HSJFP12 J23	HSJFP1 J01	HSJFP2 J03	HSJFP3 J05	HSJFP4 J07	HSJFP5 J09	HSJFP6 J11	HSJFS3 J05	HSJFS1 J01	HSJFS2 J03
	BB	HSJFP7 J14	HSJFP8 J16	HSJFP9 J18	HSJFP10 J20	HSJFP11 J22	HSJFP12 J24	HSJFP1 J02	HSJFP2 J04	HSJFP3 J06	HSJFP4 J08	HSJFP5 J10	HSJFP6 J12	HSJFS3 J06	HSJFS1 J02	HSJFS2 J04
	CC	HSJFP7 J35	HSJFP8 J37	HSJFP9 J39	HSJFP10 J41	HSJFP11 J43	HSJFP12 J45	HSJFP1 J31	HSJFP2 J33	HSJFP3 J35	HSJFP4 J37	HSJFP5 J39	HSJFP6 J41	HSJFS3 J31	HSJFS1 J31	HSJFS2 J31
	DD	HSJFP7 J47	HSJFP8 J48	HSJFP9 J49	HSJFP10 J50	HSJFP11 J51	HSJFP12 J52	HSJFP1 J41	HSJFP2 J42	HSJFP3 J43	HSJFP4 J44	HSJFP5 J45	HSJFP6 J46	HSJFS3 J41	HSJFS1 J41	HSJFS2 J41
FPU HARNESS CRYO HARNESS	7	8	9	10	11	12	1	2	3	4	5	6	15	13	14	2
	6	6	5	5	4	4	9	9	8	8	7	7	1	2	2	2

7. INFORMATION IN THIS DOCUMENT IS ALSO CONTAINED IN THE HARNESS DEFINITION DOCUMENT, RAL DOCUMENT SPIRE-RAL-PRJ-000608. IN AREAS WHERE THERE ARE CONFLICTS, THE HARNESS DEFINITION DOCUMENT TAKES PRECEDENCE.

ESD PROTECTION RESISTORS ARE 7 TIMES THE SOURCE RESISTOR.

GROUND WIRE TO BE TERMINATED AT INSTRUMENT INTEGRATION. WIRE WILL HAVE A MINIMUM LENGTH OF 150MM.

UNLESS OTHERWISE NOTED,  $\perp$  IS JFET CHASSIS GROUND.

JFET MEMBRANE HEATER IS 0.0204 TIMES THE SOURCE RESISTOR.

ALL RESISTORS HAVE A TOLERANCE OF  $\pm 40\%$ .

1. THIS TECHNICAL DATA IS EXPORT CONTROLLED UNDER U.S. LAW AND IS BEING TRANSFERRED BY JPL TO PPARC PURSUANT TO THE NASA / PPARC LETTER OF AGREEMENT WHICH ENTERED INTO FORCE ON DECEMBER 2, 1999. THIS TECHNICAL DATA IS TRANSFERRED TO PPARC FOR USE EXCLUSIVELY ON THE NASA/PPARC SPIRE ON FIRST COOPERATIVE PROJECT, MAY NOT BE USED FOR ANY OTHER PURPOSE, AND SHALL NOT BE RE-TRANSFERRED OR DISCLOSED TO ANY OTHER PARTY WITHOUT THE PRIOR WRITTEN APPROVAL OF NASA.

NOTES: UNLESS OTHERWISE SPECIFIED

To agree with SPIRE FIELD		ITEM NO.		REF DES		CASE NO.		PART OR IDENTIFYING NO.		NOMENCLATURE OR DESCRIPTION		SPECIFICATION		MATERIAL OR NOTE		ZONE	
QTY REQD		ITEM NO.		REF DES		CASE NO.		PART OR IDENTIFYING NO.		NOMENCLATURE OR DESCRIPTION		SPECIFICATION		MATERIAL OR NOTE		ZONE	
UNLESS OTHERWISE SPECIFIED		DIMENSIONS ARE IN MILLIMETERS		CONTRACT NO. 56292		APPD		DATE		JET PROPULSION LABORATORY		CALIFORNIA INSTITUTE OF TECHNOLOGY		PASADENA, CA 91109		RELEASED THROUGH EDMG	
LINEAR TOLERANCES:		OVER 6-30		$\pm 0.1$		OVER 30-120		$\pm 0.2$		OVER 120-150		$\pm 0.3$		OVER 150-1000		$\pm 0.8$	
ANGULAR TOLERANCES:		$\pm 0.5^\circ$		MATERIAL		DATE		JAN 13/01		WIRING SCHEMATIC, SPIRE		SCALE NONE		UNCLASSIFIED		SHEET 1 OF 1	
DO NOT SCALE DRAWING		INTERPRET DWG PER ENGR		DATE		JAN 13/01		JAN 13/01		JAN 13/01		JAN 13/01		JAN 13/01		JAN 13/01	
FRAME		CASE NO.		DRAWING NUMBER		REV		SH NO		A		1		REV 2/00		A	
1 OF 2		23835		10209725		A		1		A		1		REV 2/00		A	

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