ACIS DEA Interface Wrksht

	A1J2-A10J2 CCD INTERFACE		A11J2 LED & THERMAL		A11J3 DEA PWR A		J22 CNTRL 1		J23 DIG DATA 1		J24 DIG DATA 2		J26 CNTRL 2		J25 HI SPD DATA		XA1-10 DEA SUBGROUP				XA11-12 DEA I/O & CONTROL		
1	Phase-3 Imaging Array	1	DS1IN	1	N/U	A1	CSCKP A	A1	PIXSYNP 1 (I0)	A1	PIXSYNP 6 (S3)	A1	CSCKP B	1	PIXCLKP	2	PFIVEA	1	GND	119	GND	120	RAILPWR+5-1
2	Phase-2 Imaging Array	2	COMMON	2	DEA +6VDC A	A2	SHLD	A2	PIXSYNN 1 (I0)	A2	PIXSYNN 6 (S3)	A2	SHLD	2	PIXCLKN	4	-5A	3	PFIVEARTN	117	RAILPWR+15-1	118	RAILPWR-5-1
3	Phase-1 Imaging Array	3	RT702 RED	3	DEA ±6VDC A RTN	A3	CMDATP A	A3	SHLD	A3	SHLD	A3	CMDATP B	3	SHLD	6	+15A	5	-5ARTN	115	RAILPWR+24-1	116	RAILPWR-15-1
4	Chip Substrate 1	4	RT702 BLK	4	DEA -6VDC A	A4	STDATP A	A4	PIXSYNP 2 (S0)	A4	PIXSYNP 7 (I3)	A4	STDATP B	4	PIXDATP	8	GND	7	+15ARTN	113	GND	114	GND
5	N/U	5	RT702 BLK	5	DEA +6VDC A	A5	SHLD	A5	PIXSYNN 2 (S0)	A5	PIXSYNN 7 (I3)	A5	SHLD	5	PIXDATN	10	-15A	9	GND	111	RAILPWR-5-5	112	RAILPWR+5-5
6	Phase-3 Frame Store	6	HR600POW	6	DEA ±6VDC A RTN	A6	RESETN A	A6	SHLD	A6	SHLD	A6	RESETN B	6	SHLD	12	+24A	11	-15ARTN	109	RAILPWR-15-5	110	RAILPWR+15-5
7	Phase-2 Frame Store	7	HEATERCOM A	7	DEA -6VDC A	A7	BEPSEL A	A7	PIXSYNP 3 (I1)	A7	PIXSYNP 8 (S2)	A7	BEPSEL B	7	PIXSYNP	14	GND	13	+24ARTN	107	RAILPWR+24-5	108	GND
8	Phase-1 Frame Store	8	HR602&HR603POW	8	N/U	A8	CK100KP A	A8	PIXSYNN 3 (I1)	A8	PIXSYNN 8 (S2)	A8	CK100KP B	8	PIXSYNN	16	GND	15	N/U	105	GND	106	RAILPWR+5-4
9	Chip Substrate 2	9	RT600 BLUE	9	DEA +15.5VDC A	A9	SHLD	A9	SHLD	A9	SHLD	A9	SHLD	9	SHLD	18	GND	17	N/U	103	RAILPWR+15-4	104	RAILPWR-5-4
10	N/U	10	RT600 GOLD	10	DEA ±15.5VDC A RTN	A10	CK64MN A	A10	PIXSYNP 4 (S1)	A10	PIXSYNP 9 (S4)	A10	CK64MN B			20	GND	19	N/U	101	RAILPWR+24-4	102	RAILPWR-15-4
11	Drain-D	11	RT600 GOLD	11	DEA -15.5VDC A	A11	SHLD	A11	PIXSYNN 4 (S1)	A11	PIXSYNN 9 (S4)	A11	SHLD			22	GND	21	GND	99	GND	100	GND
12	Drain-C	12	RT700 BLUE	12	DEA +24VDC A	A12	N/U	A12	SHLD	A12	SHLD	A12	N/U			24	GND	23	N/U	97	RAILPWR-5-3	98	RAILPWR+5-3
13	Drain-B	13	RT700 GOLD	13	DEA 24VDC A RTN	B1	CSCKN A	A13	PIXSYNP 5 (I2)	A13	PIXSYNP 10 (S5)	B1	CSCKN B			26	GND	25	N/U	95	RAILPWR-15-3	96	RAILPWR+15-3
14	Drain-A	14	RT700 GOLD	14	DEA +28VDC A	B2	CMDATN A	A14	PIXSYNN 5 (I2)	A14	PIXSYNN 10 (S5)	B2	CMDATN B			28	GND	27	N/U	93	RAILPWR+24-3	94	GND
15	N/U	15	SHIELD	15	DEA 28VDC A RTN	B3	SHLD	A15	SHLD	A15	SHLD	B3	SHLD			30	GND	29	N/U	91	GND	92	RAILPWR+5-2
16	Phase-1 Out Reg's B&D	16	HKVOUT			B4	STDATN A	A16	RCTU TEMP RTN	A16	DPA TEMP 5	B4	STDATN B		J27	32	N/U	31	N/U	89	RAILPWR+15-2	90	RAILPWR-5-2
17	Phase-1 Out Reg's A&C	17	HKADD2			B5	RESETP A	A17	RT810	A17	DPA TEMP 6	B5	RESETP B		THERMISTORS	34	N/U	33	N/U	87	RAILPWR+24-2	88	RAILPWR-15-2
18	Phase-2 Out Reg's A&C	18	HKADD1		A11J4	B6	SHLD	B1	PIXCLKP 1 (I0)	B1	PIXCLKP 6 (S3)	B6	SHLD			36	N/U	35	GND	85	SUBAHK	86	GND
19	Phase-2 Out Reg's B&D	19	HKADD0		DEA PWR B	B7	N/U	B2	PIXCLKN 1 (I0)	B2	PIXCLKN 6 (S3)	B7	N/U	1	N/U	38	N/U	37	N/U	83	SUBPWR9/	84	SUBPWR10/
20	Phase-3 Out Reg's A-D	20	HEN40			B8	CK100KN A	B3	SHLD	B3	SHLD	B8	CK100KN B	2	RT820	40	GND	39	N/U	81	SUBPWR7/	82	SUBPWR8/
21	Reset Gates A-D	21	HEN32	1	N/U	B9	CK64MP A	B4	PIXCLKP 2 (S0)	B4	PIXCLKP 7 (I3)	B9	CK64MP B	3	RT820 RTN	42	N/U	41	GND	79	SUBPWR5/	80	SUBPWR6/
22	Chip Substrate 3	22	HEN24	2	DEA +6VDC B	B10	N/U	B5	PIXCLKN 2 (S0)	B5	PIXCLKN 7 (I3)	B10	N/U	4	N/U	44	N/U	43	N/U	77	SUBPWR3/	78	SUBPWR4/
23	N/U	23	HEN16	3	DEA ±6VDC B RTN	B11	N/U	B6	SHLD	B6	SHLD	B11	N/U	5	N/U	46	N/U	45	N/U	75	SUBPWR1/	76	SUBPWR2/
24	Reset Diodes A-D	24	HEN8	4	DEA -6VDC B	B12	N/U	B7	PIXCLKP 3 (I1)	B7	PIXCLKP 8 (S2)	B12	N/U	6	RT810	48	N/U	47	SUBAHK	73	GND	74	GND
25	Scupper	25	HEN0	5	DEA +6VDC B	C1	GND A	B8	PIXCLKN 3 (I1)	B8	PIXCLKN 8 (S2)	C1	GND B	7	RT810 RTN	50	GND	49	N/U	71	SELB/	72	SELA/
26	Output Gates A-D	26	FLIP-P1TOB	6	DEA ±6VDC B RTN	C2	DPAHK5V A	B9	SHLD	B9	SHLD	C2	DPAHK5V B	8	N/U	52	N/U	51	N/U	69	COMDB	70	CLK-1MHz-OUTB
27	N/U	27	FLIP-P2TOB	7	DEA -6VDC B	C3	N/U	B10	PIXCLKP 4 (S1)	B10	PIXCLKP 9 (S4)	C3	N/U	9	N/U	54	N/U	53	N/U	67	DPA TEMP 3	68	DPA TEMP 11
28	Shield	28	FLIP-P3TOB	8	N/U	C4	N/U	B11	PIXCLKN 4 (S1)	B11	PIXCLKN 9 (S4)	C4	N/U	10	RT811	56	N/U	55	GND	65	DPA TEMP 4	66	DPA TEMP 12
29	Back Junction	29	FLIP-P4TOB	9	DEA +15.5VDC B	C5	N/U	B12	SHLD	B12	SHLD	C5	N/U	11	RT811 RTN	58	N/U	57	SELA/	63	DPA TEMP RTN 1	64	DPA TEMP RTN 2
30	N/U	30	FLIP-P5TOB	10	DEA ±15.5VDC B RTN	C6	N/U	B13	PIXCLKP 5 (I2)	B13	PIXCLKP 10 (S5)	C6	N/U	12	N/U	60	GND	59	SELB/	61	DPAGNDREF 1	62	DPAGNDREF 2
31	N/U	31	FLIPTOB	11	DEA -15.5VDC B	C7	N/U	B14	PIXCLKN 5 (I2)	B14	PIXCLKN 10 (S5)	C7	N/U	13	N/U	62	N/U	61	N/U	59	DPA TEMP 7	60	DPA TEMP 9
32	N/U	32	EGND	12	DEA +24VDC B	C8	N/U	B15	SHLD	B15	SHLD	C8	N/U	14	N/U	64	PWRON/	63	GND	57	DPA TEMP 10	58	DPA TEMP 5
33	Video Output-A	33	DEA+6VDCB	13	DEA 24VDC B RTN	C9	N/U	B16	RT811	B16	DPA TEMP 7	C9	N/U	15	N/U	66	GND	65	GND	55	DPA TEMP 6	56	DPA TEMP 8
34	Video Return-A	34	DEA+6VDCB	14	DEA +28VDC B	C10	N/U	B17	RT820	B17	DPA TEMP 8	C10	N/U			68	N/U	67	N/U	53	DPA TEMP 2	54	DPA TEMP 1
35	Video Output-B	35	DEA-6VDCB	15	DEA 28VDC B RTN	C11	N/U	C1	PIXDATP 1 (I0)	C1	PIXDATP 6 (S3)	C11	N/U			70	CARD[0]	69	N/U	51	CSCKN B	52	GND B
36	Video Return-B	36	EGND			C12	N/U	C2	PIXDATN 1 (I0)	C2	PIXDATN 6 (S3)	C12	N/U			72	CARD[1]	71	GND	49	DPAHK5V B	50	CSCKP B
37	Video Output-C	37	DEA+15.5VDCB			D1	N/U	C3	SHLD	C3	SHLD	D1	N/U			74	CARD[2]	73	GND	47	CMDATP B	48	CMDATN B
38	Video Return-C	38	DEA-15.5VDCB			D2	N/U	C4	PIXDATP 2 (S0)	C4	PIXDATP 7 (I3)	D2	N/U			76	CARD[3]	75	GND	45	STDATP B	46	STDATN B
39	Video Output-D	39	DEA+28VDCB			D3	N/U	C5	PIXDATN 2 (S0)	C5	PIXDATN 7 (I3)	D3	N/U			78	PFIVEDCL	77	GND	43	RESETN B	44	RESETP B
40	Video Return-D	40	DEA+28VDCB			D4	N/U	C6	SHLD	C6	SHLD	D4	N/U			80	GND	79	N/U	41	CK100KN B	42	BEPSEL B
41	N/U	41	EGND			D5	N/U	C7	PIXDATP 3 (I1)	C7	PIXDATP 8 (S2)	D5	N/U			82	FVCLK	81	FVCLK/	39	CK64MP B	40	CK100KP B
						D6	N/U	C8	PIXDATN 3 (I1)	C8	PIXDATN 8 (S2)	D6	N/U			84	FVWORD	83	FVWORD/	37	GND A	38	CK64MN B
			A12J2			D7	N/U	C9	SHLD	C9	SHLD	D7	N/U			86	FVSYNC	85	FVSYNC/	35	CSCKN A	36	CSCKP A
			LED & THERMAL			D8	N/U	C10	PIXDATP 4 (S1)	C10	PIXDATP 9 (S4)	D8	N/U			88	GND	87	GND	33	DPAHK5V A	34	CMDATN A
						D9	N/U	C11	PIXDATN 4 (S1)	C11	PIXDATN 9 (S4)	D9	N/U			90	GVCLK	89	N/U	31	CMDATP A	32	GVCLK
		1	DS2IN			D10	N/U	C12	SHLD	C12	SHLD	D10	N/U			92	GVWORD	91	GND	29	STDATN A	30	GVWORD
		2	N/U			D11	N/U	C13	PIXDATP 5 (I2)	C13	PIXDATP 10 (S5)	D11	N/U			94	GVSYNC	93	GND	27	STDATP A	28	GVSYNC
		3	RT703 RED			D12	N/U	C14	PIXDATN 5 (I2)	C14	PIXDATN 10 (S5)	D12	N/U			96	GND	95	GND	25	RESETN A	26	RESETP A
		4	RT703 BLK					C15	SHLD	C15	SHLD					98	CCLKA	97	N/U	23	BEPSEL A	24	CLK-1MHz-OUTA
		5	RT703 BLK					C16	DPA TEMP 1	C16	DPA TEMP 9					100	CCLKB	99	GND	21	CK100KP A	22	CK100KN A
		6	HR601POW					C17	DPA TEMP 2	C17	DPA TEMP 10					102	CWORDA	101	N/U	19	CK64MN A	20	COMDA
		7	HEATERCOM B					D1	DPA TEMP 3	D1	DPA TEMP 11					104	CWORDB	103	GND	17	PIXSYNSHLD	18	CK64MP A
		8	HR604&HR605POW					D2	DPA TEMP 4	D2	DPA TEMP 12					106	SYNCA	105	N/U	15	PIXSYNN	16	SYNC-100KHzA
		9	RT601 BLUE					D3	DPA TEMP RTN	D3	DPA TEMP RTN					108	SYNCB	107	GND	13	PIXSYNP	14	SYNC-100KHzB
		10	RT601 GOLD					D4	SIG GND A	D4	SIG GND B					110	RESETA/	109	N/U	11	PIXDATSHLD	12	RESETA/
		11	RT601 GOLD					D5	N/U	D5	N/U					112	RESETB/	111	GND	9	PIXDATN	10	RESETB/
		12	RT701 BLUE					D6	N/U	D6	N/U					114	VCLKA	113	VCLKB	7	PIXDATP	8	6.4MHzA
		13	RT701 GOLD					D7	N/U	D7	N/U					116	STATUSB	115	GND	5	PIXCLKSHLD	6	STATUS-B
		14	RT701 GOLD					D8	N/U	D8	N/U					118	STATUSA	117	GND	3	PIXCLKN	4	STATUS-A
		15	N/U					D9	N/U	D9	N/U					120	GND	119	GND	1	PIXCLKP	2	6.4MHzB
		16	HKVOUT					D10	N/U	D10	N/U												
		17	HKADD2					D11	N/U	D11	N/U												
		18	HKADD1					D12	N/U	D12	N/U												
		19	HKADD0					D13	N/U	D13	N/U												
		20	HEN40					D14	N/U	D14	N/U												
		21	HEN32					D15	N/U	D15	N/U												
		22	HEN24					D16	N/U	D16	N/U												
		23	HEN16					D17	N/U	D17	N/U												
		24	HEN8																				
		25	HEN0																				
		26	FLIP-P1TOB																				
		27	FLIP-P2TOB																				
		28	FLIP-P3TOB																				
		29	FLIP-P4TOB																				
		30	FLIP-P5TOB																				
		31	FLIPTOB																				
		32	EGND																				
		33	DEA+6VDCB																				
		34	DEA+6VDCB																				
		35	DEA-6VDCB																				
		36	EGND																				
		37	DEA+15.5VDCB																				
		38	DEA-15.5VDCB																				
		39	DEA+28VDCB																				
		40	DEA+28VDCB																				
		41	EGND																				

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