

# ADC EXTENDED I/O BITS 17 – 48\*

BLOCK 2, BANK 0	BIT	PIN	I/O	SIGNAL	FUNCTION	TO
		94		I/OC17-24	+5V	-
		93		OUTC17-24	-	-
	17	92	0	-	-	-
	18	91	0	-	-	-
	19	90	0	-	-	-
	20	89	0	-	-	-
	21	88	0	-	-	-
	22	87	0	-	-	-
	23	86	0	-	-	-
	24	85	0	-	-	-
		74		I/OC25-32	+5V	-
		73		OUTC25-32	-	-
BLOCK 3, BANK 1	25	72	0	-	-	-
	26	71	0	-	-	-
	27	70	0	-	-	-
	28	69	0	-	-	-
	29	68	0	-	-	-
	30	67	0	-	-	-
	31	66	0	-	-	-
	32	65	0	-	-	-

BLOCK 4, BANK 2	BIT	PIN	I/O	SIGNAL	FUNCTION	TO
		64		I/OC33-40	+5V	-
		63		OUTC33-40	GND	-
	33	62	0	NET/HARD_ERR	NETWORK/HARDWARE ERROR LED	J702-3
	34	61	0	DEADMAN_EXPIRED	DEADMAN FLAG FOR SOFTWARE	-
	35	60	0	-	-	-
	36	59	0	-	-	-
	37	58	0	-	-	-
	38	57	0	-	-	-
	39	56	0	-	-	-
	40	55	0	-	-	-
		54		I/OC41-48	+5V	-
		53		OUTC41-48	-	-
BLOCK 5, BANK 3	41	52	I	-	-	-
	42	51	I	-	-	-
	43	50	I	-	-	-
	44	49	I	-	-	-
	45	48	I	-	-	-
	46	47	I	-	-	-
	47	46	I	-	-	-
	48	45	I	-	-	-

\* SEE SHEET 3 FOR HIGH POWER OUTPUTS

$$N = n_0 + 2*n_1 + 4*n_2 + 8*n_3 + 16*n_4 + 32*n_5 + 64*n_6 + 128*n_7$$

$$N = 0 + 0 + 4 + 0 + 0 + 0 + 0 + 0$$

FOR ADC, CO=4

- NOTES: 1) I/O BIT NUMBERS STARTING WITH A 'P' DENOTE POWER DRIVER ABILITY  
 2) AS PER GALIL APP. NOTE #1438, TO USE BANKS 0 AND 1 FOR INPUTS, THE IOM-1964 CONNECTION LABELED OUTC<sub>n</sub> MUST BE CONNECTED TO THE ISOLATED POWER SUPPLY GROUND.

REVISIONS	
04-14-04	ADDED NETWORK/HARDWARE ERROR OUTPUT TO BIT 35 AND ADDED 'TO' COLUMN
04-26-04	UPDATED SHEET 2
05-05-04	DROPPED UNUSED OUTPUTS (DROP AC, AND FANS ON) AND UPDATED SHEET 2
05-27-04	REMOVED EMERGENCY NULL PADDLE INPUTS AT BITS 62 AND 63 AND ADDED EMERGENCY NULL MODE INPUT AT BIT 68 (SHEET 2)
10-13-04	ADDED SHEET 3 AND MOVED POWER OUTPUT PIN ASSIGNMENTS TO PAGE 3 (NONE OF THE POWER OUTPUTS ARE BEING USED AT THIS TIME) ALSO ADDED I/O AND OUT COMMON PINS
01-21-05	MOVED NET/HARDWARE SIGNAL FROM BIT 17 (HI POWER OUTPUT) TO BIT 33
01-26-05	CORRECTED I/O LABELS FOR BITS 33-40 FROM "I" TO "O"
02-07-05	CORRECTED NET/HARDWARE SIGNAL CONNECTION FROM J405-3 TO J701-3 (J701 IS THE CONNECTOR ON THE I/O PANEL AND J405 IS ON THE INTERLOCK PANEL)
05-13-05	ADDED DEADMAN_EXPIRED FOR SOFTWARE FLAG

<b>UNIVERSITY OF CALIFORNIA LICK OBSERVATORY</b>		<b>ADC EXTENDED I/O SIGNALS AND WIRING KECK ADC</b>	
DES'N BY: B. Alcott	ORIGIN DATE: 02-11-04	DWG. NO.	NUM. 1 OF 3
Last SN	MODIFY DATE: 05-13-05	<b>EL-3608</b>	REV. <b>A</b>
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