CONTROLS- 10/23/03 8:02 AM Analog_input_adapter.dwg

TEST SETUP FOR ANALOG SIGNALS FOR HITL INSTRUMENT CONTROLLER

50 PIN JONES STRIP TO 50 PIN DOUBLE ROW CONNECTOR THRU A RIBBON CABLE TO A 36 PIN 488 TYPE CABLE CONNECTOR

BREAKOUT ADAPTER
only 36 pins are
valid for this test
setup

CONNECT TO THE TERMINAL STRIP WITH WIRES TO A BNC TO A BNC CABLE TO A BANANA PLUG ADAPTER INTO THE DIAL-A-VOLT

50	49	48	47	46	45	44	43	42	41	40	39	38	37	36	35	34	33	32	31	30	29	28	27	26	
									GROUND RETURN	GROUND RETURN	GROUND RETURN												BEAMXFORMER 3	BEAMXFORMER 2	
25	24	23	22	21	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	
							BEAMXFORMER 2	BEAMXFORMER 1	FARADAY CUP 8	FARADAY CUP 7	FARADAY CUP 6	FARADAY CUP 5	FARADAY CUP 4	FARADAY CUP 3	FARADAY CUP 2	FARADAY CUP 1	HARP 8	HARP 7	HARP 6	HARP 5	HARP 4	HARP 3	HARP 2	HARP 1	

DEVICE	50 PIN BURR BROWN
HARP 1	40
HARP 2	42
HARP 3	44
HARP 4	46
HARP 5	50
HARP 6	48
HARP 7	38
HARP 8	36
FaradayCup 1	12
FaradayCup 2	14
FaradayCup 3	20
FaradayCup 4	26
FaradayCup 5	22
FaradayCup 6	32
FaradayCup 7	30
FaradayCup 8	34
BeamXformer 1	39
BeamXformer 2	41
BeamXformer 3	43

INTERPRET IN GENERAL ACCORDANCE WITH ASME Y14.24M-1989	Q.A. CATEGORY A-3	DATE	BROOKHAVEN NATIONAL LABORATORY
	DRAWN BY jappe	10/22/03	UPTON, N.Y. 11973
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	CHECKED BY		C-A CONTROLS WIRING DIAGRAM
DECIMAL TOLERANCES .X ±.030 .XX ±.015 .XXX ±.005 ANGULAR TOLERANCE ± .5°	DESIGN APPROVAL		Instrument controller HITL
	ENGINEER APPROVAL		Analog input adapter
	SUPVR. APPROVAL		SIZE D / REV. A
NA FINISH / BREAK SHARP EDGES MAX. XX MIN. XX	NEXT ASSEMBLY		DRAWING NUMBER
OUTSTANDING ECN			MATERIAL: ——— SCALE: FULL WEIGHT: – SHEET 16

*AUTOCAD