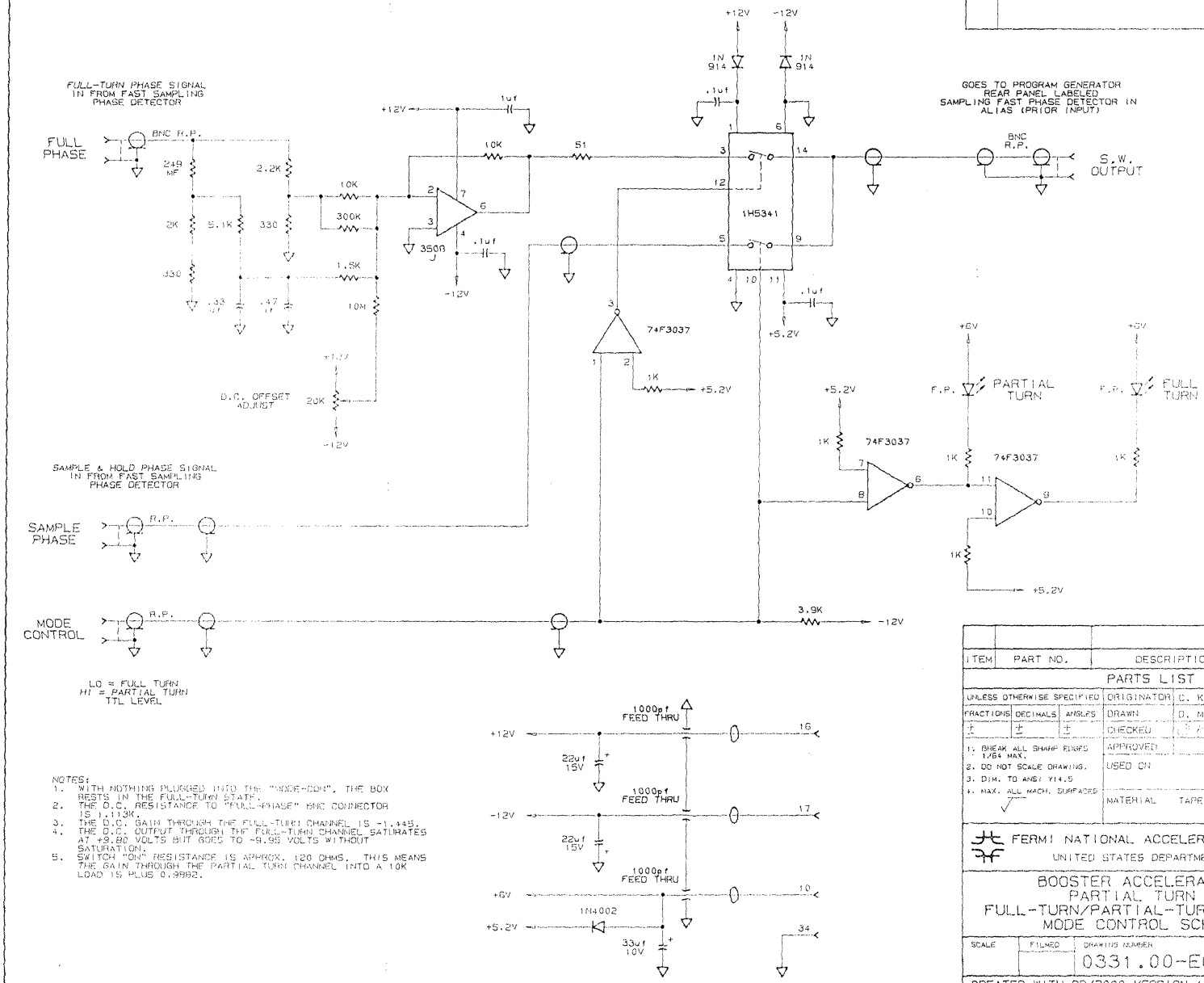
REV.	DESCRIPTION	DRAWN / APPD.	DATE / DATE



NOTES:
1. WITH NOTHING PLUGGED INTO THE "MODE-CON", THE BOX RESTS IN THE FULL-TURN STATE.
2. THE D.C. RESISTANCE TO "FULL-PHASE" BNC CONNECTOR IS 1.113K.
3. THE D.C. GAIN THROUGH THE FULL-TURN CHANNEL IS -1.445.
4. THE D.C. OUTPUT THROUGH THE FULL-TURN CHANNEL SATURATES AT +9.80 VOLTS BUT GOES TO -9.98 VOLTS WITHOUT SATURATION.
5. SWITCH "ON" RESISTANCE IS APPROX. 120 OHMS. THIS MEANS THE GAIN THROUGH THE PARTIAL TURN CHANNEL INTO A 10K LOAD IS PLUS 0.9982.

ITEM	PART NO.	DESCRIPTION OR SIZE	QTY.

PARTS LIST

UNLESS OTHERWISE SPECIFIED			ORIGINATOR	C. KERNS	11-10-87
FRACTIONS	DECIMALS	ANGLES	DRAWN	D. MUNGER	11-10-87
±	±	±	CHECKED		
1. BREAK ALL SHARP EDGES 1/64 MAX.			APPROVED		
2. DO NOT SCALE DRAWING.			USED ON		
3. DIM. TO ANSI Y14.5					
4. MAX. ALL MACH. SURFACES			MATERIAL	TAPE 3 = E180845	

FERMI NATIONAL ACCELERATOR LABORATORY
UNITED STATES DEPARTMENT OF ENERGY

BOOSTER ACCELERATOR RFS
PARTIAL TURN LLRF
FULL-TURN/PARTIAL-TURN PHASE DET.
MODE CONTROL SCHEMATIC

SCALE	FILMED	DRAWING NUMBER	REV.
		0331.00-EC-180845	

CREATED WITH CD/2000 VERSION 1.63