INPUT	DESCRIPTION	FUNCTION
AUX 5	STANDBY	PULLED HIGH (+5V) GIVES STANDBY OVERRIDES AUX 6,7,8
AUX 6	HALF POWER MODE	PULLED LOW (0V) REMOVES 2 TUBES (HALF POWER)
AUX 7	20mA BIAS	PULLED LOW (0V) = 20 mA
	30mA BIAS	OPEN CIRCUIT = 30 mA
AUX 8	BIAS METHOD SELECT	OPEN CIRCUIT = PC SELECT BIAS PULLED LOW (0V) = CURRENT SELECTED BY AUX 7
POWER UP	AUX 7 & AUX 8 ARE BOTH ONLY ACTIVE AT POWER UP. I.E. THEY HAVE NO EFFECT ONCE THE CIRCUIT IS UP AND RUNNING, THE MODE IS SET AT THIS POINT.	
TWO TUBE ONLY MODE	SELECTED AT POWER UP BY SELECTING : AUX 6 = LOW (0V), AUX 7 = LOW (0V) & AUX 8 = OPEN CIRCUIT. THIS OVERRIDES THE 20mA & 30mA FUNCTION. ONCE POWERED UP AUX 6,7 & 8 ARE IGNORED DURING OPERATION.	

HT Voltage	Input Voltage	Bias Range Voltage
550	60-80	25-60

NOTES:
FOR TWO TUBE OPERATION
TUBES 2 & 3 ARE ACTIVE

NOTES:
EACH GRID MUST BE DC ISOLATED WITH THE STANDARD COUPLING CAPACITOR.
THE EARTH MUST GO TO AMPLIFIER MAIN EARTHING POINT

NOTES:
BIAS WINDING MUST BE WITH RESPECT TO

HT
SCREEN
TUBE 1   TUBE 2   TUBE 3   TUBE 4
C   C   C   C
Rs   Rs   Rs   Rs
FROM PHASE SPLITTER   FROM PHASE SPLITTER

60V-80V
12V
0V
60-80 V AC
12-18V AC
0V
TOTAL SUPPLY CURRENT = 40mA

50 mm

K1 G1 AUX 1 K2 G2 AUX 2 K3 G3 AUX 3 K4 G4 AUX 4 0V 0V 0V 0V AUX 5 AUX 6 AUX 7 AUX 8 NC OP1 +5V OP2 +5V GBAC LT1 0V

TUBE FAULT HEADER   PROGRAMMING HEADER

T1 T2 T3 T4

TUBESYNC BIAS ENGINE

LEDS WILL FLASH AT START UP

115.6 mm