



**NOTES**  
**PCB2**  
 \* Double sided FR-4 grade P.C.B.  
 \* The parts except for tube sockets should be put on the other side of the tubes  
 \* Make 10mm diameter holes in PCB2 under all 12AX7A pre-tubes for ventilation  
 \* All pre-tubes need to be shielded by shield can  
 \* Pre-Tube socket and retainer assembled : TUS9PC6 / Magic Parts  
 \* R232 - R236, R238-R240 are fusible resistors

\* Use aluminum foil shield lines

**Others**  
 \* Caps are 500V unless otherwise specified  
 \* Resistors are 1/2W unless otherwise specified  
 \* pp: POLYPROPYLENE CAP 500V  
 \* mc: MICA CAP 500V  
 \* Potentiometers are RA16N1-FE/DIYA

MODEL:	TH20	DESIGNED BY:	IBANEZ
SHEET NO.:	1	HOSHINO U.S.A. INC.	
DATE:	Nov 1, 2005	SHIN TAKASHIMA / JOHN LOMAS	
REVISION:	1.11		