CSC ON CHAMBER ELECTRONICS POWER ESTIMATE

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There will be 5 ASMII boards per chamber, and 64 chambers.
Total of 320 ASMII boards with 196 channels per board.
X-strip per chamber = 192*4 = 768 channels
X-strip total = 192*4*64 = 49,152 channels
Y-strip pwer chamber = 192*1 = 192 channels
Y-strip total = 192*1*64 = 12,288 channels
Total number of CSC channels = 61,440

POWER per CHANNEL ESTIMATE

COMPONENT	POWER (watts)	CHANNEL DIVISOR	WATTS per Channel
Pre Amp	0.035	1	0.035
SCA	0.28	12	0.02333
ADC	0.6	12	0.05
OP-AMP	0.03	12	0.0025
PECL BUFFER	0.425	192	0.00221
HDMP-1022 Tx	2.3	192	0.01198
HDMP-1024 Rx	3	192	0.01563
MISC	3	192	0.01563
TOTAL POWER per CHANNEL (watts)			0.15628
TOTAL POWER per ASM II (watts), including preamps			30.005

TOTAL POWER ESTIMATE

CHAMBER X-STRIP (watts)	CHAMBER Y-STRIP (watts)	TOTAL CHAMBER (watts)	TOTAL CSC (watts)
120.02	30.005	150.025	9601.6