Superbend System Controls and Monitors Revision # 2.1 15-Jul-99 akb updated 99

Per system (multiply by 3)	**AM**	**AC**	**BM**	**BC**	**Digital AM**	**Digital AC**	**Digital BM**	**Digital BC**	**GPIB Monitor**	**GPIB Control**	**Alarm**	**data log**
Temperatures									1			
			3								3	
Cryogen Levels									1		1	
									1		1	
Cryostat Pressure									1		1	
Magnet Field									1			
SB Magnet Current					1	1	12	2				
QFA Magnet Current	1	1	12	1								
QDA Magnet Current	2	2	16	2								
SB Magnet Coil Voltage	1											1
	1											1
SB HTS Lead Voltage	1											1
	1											1
SB Coil Quench			1	1								
SB HTS Lead Quench			1	1								
Beam Position Interlocks			12	1							2	
GM Cooler Compressor			3	2								
Data Logging	20		1	1								
Beam Position	4											
Totals	**31**	**3**	**49**	**9**	**1**	**1**	**12**	**2**	**5**	**0**	**8**	**4**
alsiobd rqd	7.75	1.5	6.125	2.25								
canbus card					1							
ip carrier	2.188											
gpib to net adapter									1			
cpu, sw, chassis, net drop	1											
quad control sw												
data log sw												

gpib to instrument sw
etc

pcbs to build	75	990810

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Comment

8 temperatures at up to 2hz
boolean temperature alarms (reset?)
ln level
he level
ion gauge
teslameter up to 20hz

one for each superbend plus one master?

upper
lower
lead 1
lead 2

why alarm here?

details?
xy xy

where would master qfa control go?
might require another cpci chassis