

Plan for assigning serial numbers to certain front end components

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1. Serial number format

Kapton cable assemblies are identified by appending identifiers for the component parts.
For example: CCDI-V1-4 + KP-V2-1 + IDA-V2-4

CCD Interface board	CCDI-Vn-m n is the board version number m is a serial number
Passive Kapton cable	KP-Vn-m n is the board version number m is a serial number
Active Kapton cable	KA-Vn-m n is the board version number m is a serial number
VIB Interface board	VIBI-Vn-m n is the board version number m is a serial number
Inside Dewar adaptor	IDA-Vn-m n is the board version number m is a serial number

12 channel ADC cards are similarly identified:

12-channel ADC board	ADC12-Vn-m n is the board version number m is a serial number
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2. Distinguishing characteristics of each board version

Distinguishing characteristics of each board version will be added to this section.

2.1 CCD Interface board (CCDI)

V1	Video routed over Kapton cable; designed to work with KP-2 and later
V2	Video routed over micro-coax

2.2 Passive Kapton Cable (KP)

V1	2 layer FPC; Nanonics connector directly interfaces with FPC
V2	4 layer FPC; Nanonics connector moved to CCDI; shield layers

2.2 Active Kapton Cable (KA)

V1	2 layer FPC; Nanonics connector directly interfaces with FPC
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2.3 Inside Dewar Adaptor (IDA)

V1	First version
V2	Redone to work with KP-V2 cable (extra signals to accommodate shield layers)
V3	Video routed over micro-coax; designed to work with CCDI-V2 and later
V4	Keeps CLK-SHIELD, BIAS_SHIELD, CLK-RET and BIAS-RET separate from each other; video is routed over micro-coax

2.4 VIB Interface Board (VIBI)

V1	First version
V2	
V3	Video routed over micro-coax; designed to work with CCDI-V2 and later
V4	Keeps CLK-SHIELD, BIAS_SHIELD, CLK-RET and BIAS-RET separate; video routed over micro-coax

2.5 12 Channel ADC Board

V1	First version; 2 socketed channels
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3. Serial numbers assigned

KP_V2_001