AVANCE AV Cabinet

AVANCE AV Wiring
User Manual

Version 002

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Declaration of Conformity

1

CE

DECLARATION OF CONFORMITY

The undermentioned product

NMR Spectrometer AVANCE MicroBay Console
H03128

conforms to the main requirements
set by the commission for the
Harmonization of Regulations of the EU Member States
with regards to electromagnetic compatibility
(EMI 89/336/EWG) and safety (Low Voltage Electrical
Equipment: 72/23/EWG) regulations.

For the assessment the following norms were applied:

EMI:EN 55 011; EN 50 082-1; EN 61326:1997
Safety: EN 61 010-1

Tested by: ERG Institude
Test report: FS/55.00/1323/9908
Documentation: Z35081 **Docu Standard:** AVANCE # AV Handbook

Manufacturer's Name: Bruker Elektronik D-76287 Rheinstetten
Bruker S.A. F-67166 Wissembourg
Bruker AG CH-8117 Fällanden

Declaration approved by:

Dr. Tonio Gianotti	Jean Yves Fraval	Werner Schittenhelm
Head of Development	Technical Manager	Direction

Rheinstetten
January 10, 2000

CE

DECLARATION OF CONFORMITY

The undermentioned product

NMR Spectrometer AVANCE OneBay Console
H03128-1

conforms to the main requirements
set by the commission for the
Harmonization of Regulations of the EU Member States
with regards to electromagnetic compatibility
(EMI 89/336/EWG) and safety (Low Voltage Electrical
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Declaration approved by:

Dr. Tonio Gianotti	Jean Yves Fraval	Werner Schittenhelm
Head of Development	Technical Manager	Direction

Rheinstetten
January 10, 2000

CE

DECLARATION OF CONFORMITY

The undermentioned product

NMR Spectrometer AVANCE TwoBay Console
H03128-2

conforms to the main requirements
set by the commission for the
Harmonization of Regulations of the EU Member States
with regards to electromagnetic compatibility
(EMI 89/336/EWG) and safety (Low Voltage Electrical
Equipment: 72/23/EWG) regulations.

For the assessment the following norms were applied:

EMI:EN 55 011; EN 50 082-1; EN 61326:1997
Safety: EN 61 010-1

Tested by: ERG Institude
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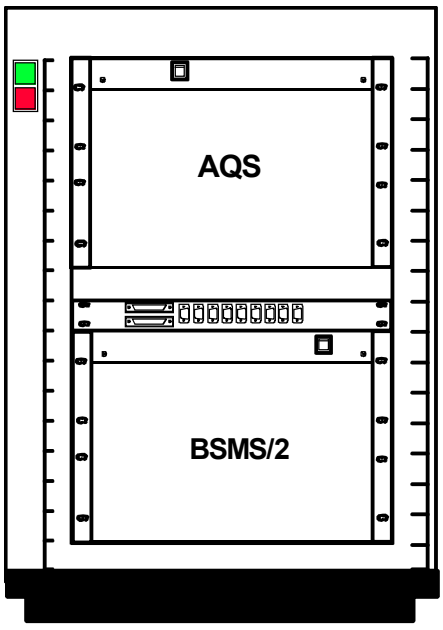
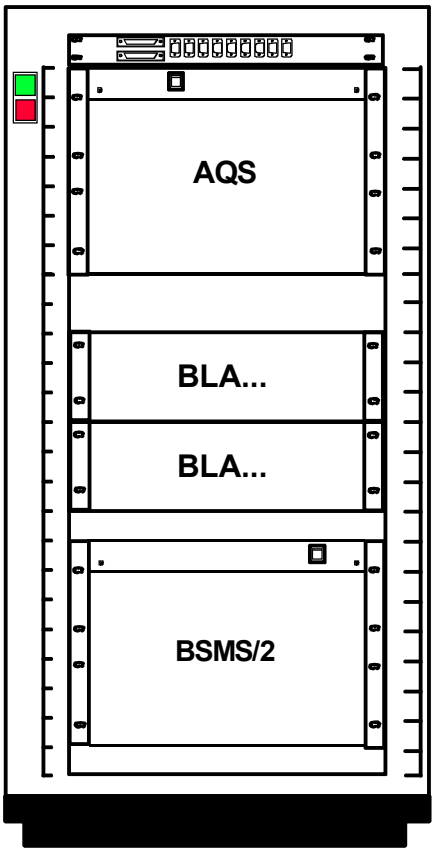
Head of Development	Technical Manager	Direction

Rheinstetten
January 10, 2000

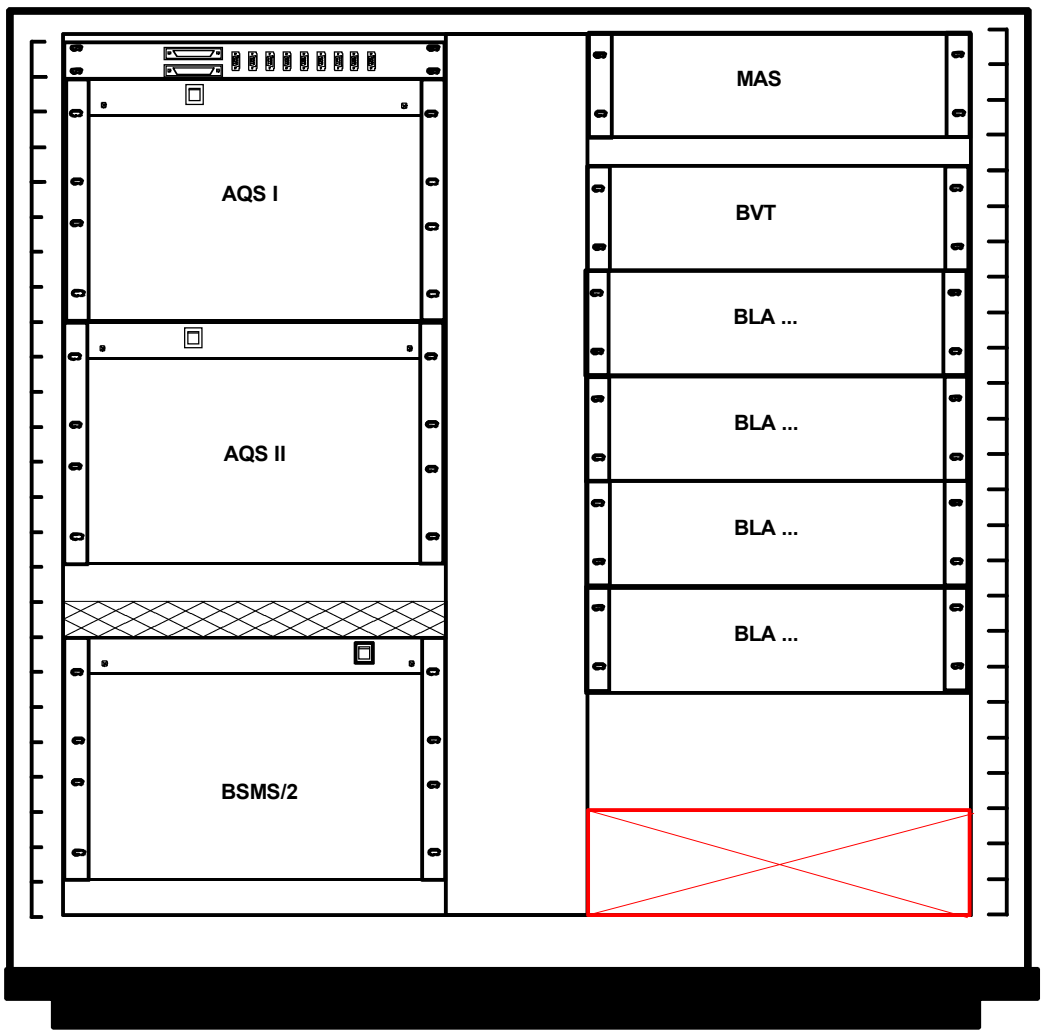
Console Configuration

2

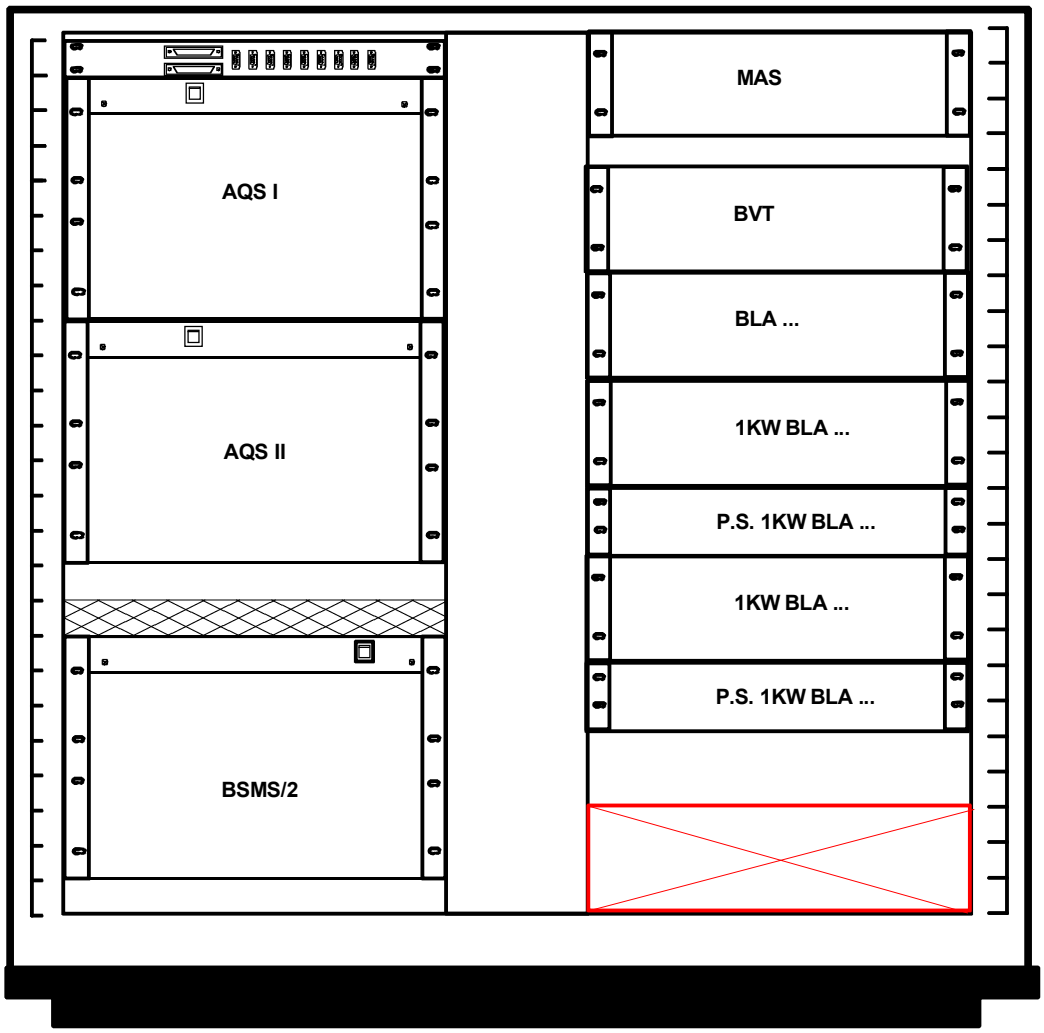



AQS
BLA...
BLA...
BSMS/2

Configuration 1



Configuration 2



Internal Wiring 3

Figure 3.1. Avance AV MicroBay DC Wiring Diagram Page 1

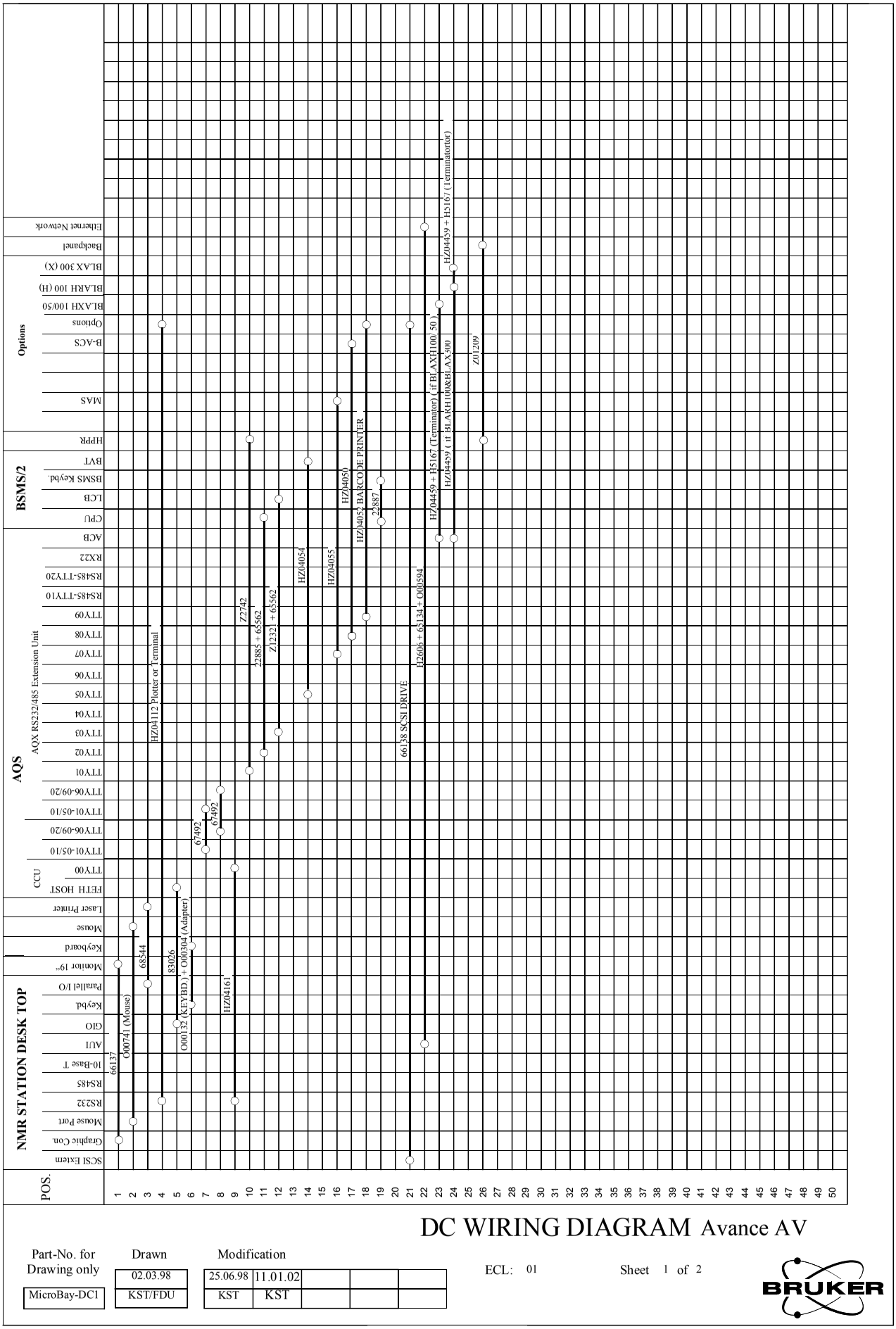


Figure 3.2. Avance AV MicroBay DC Wiring diagram Page 2

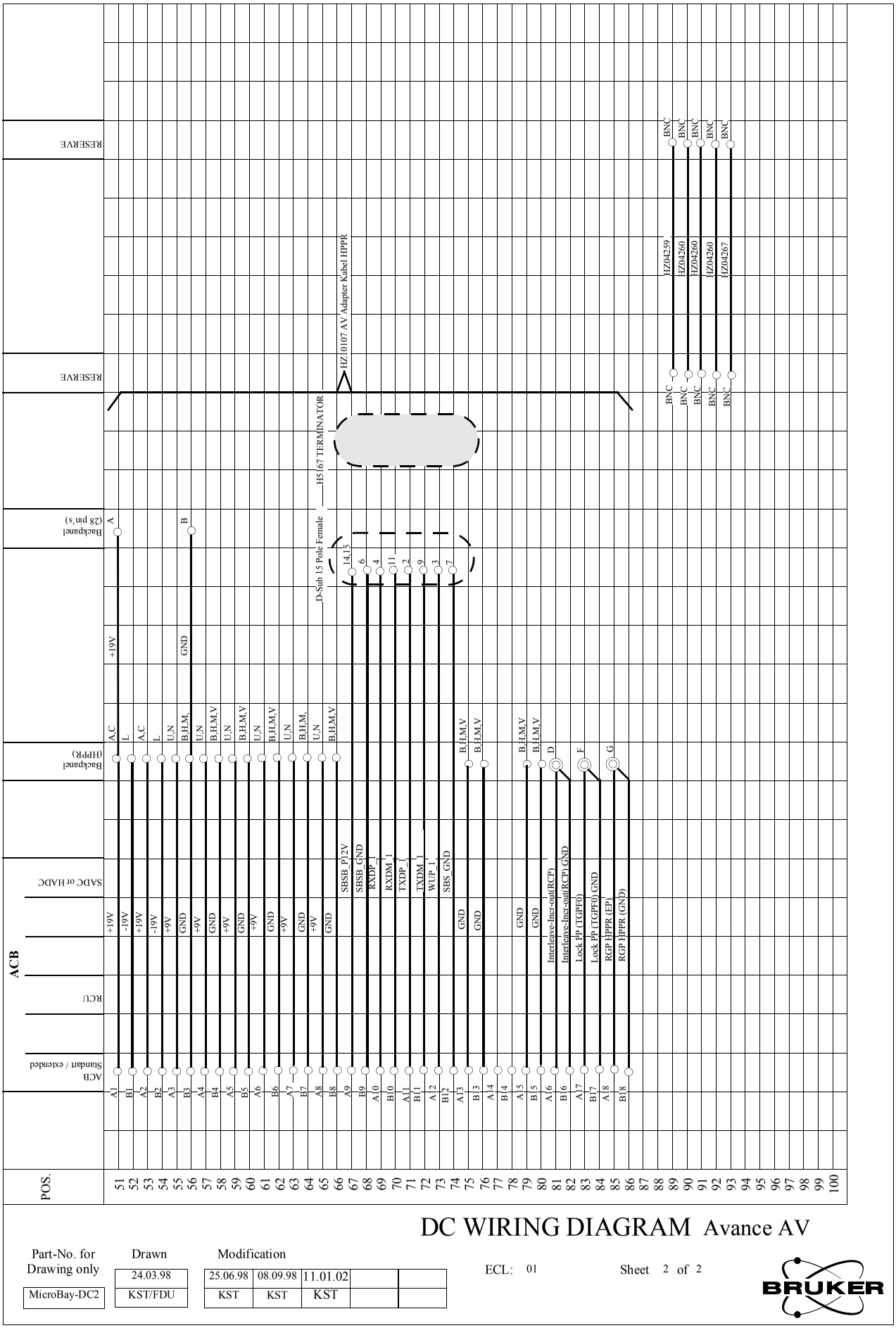
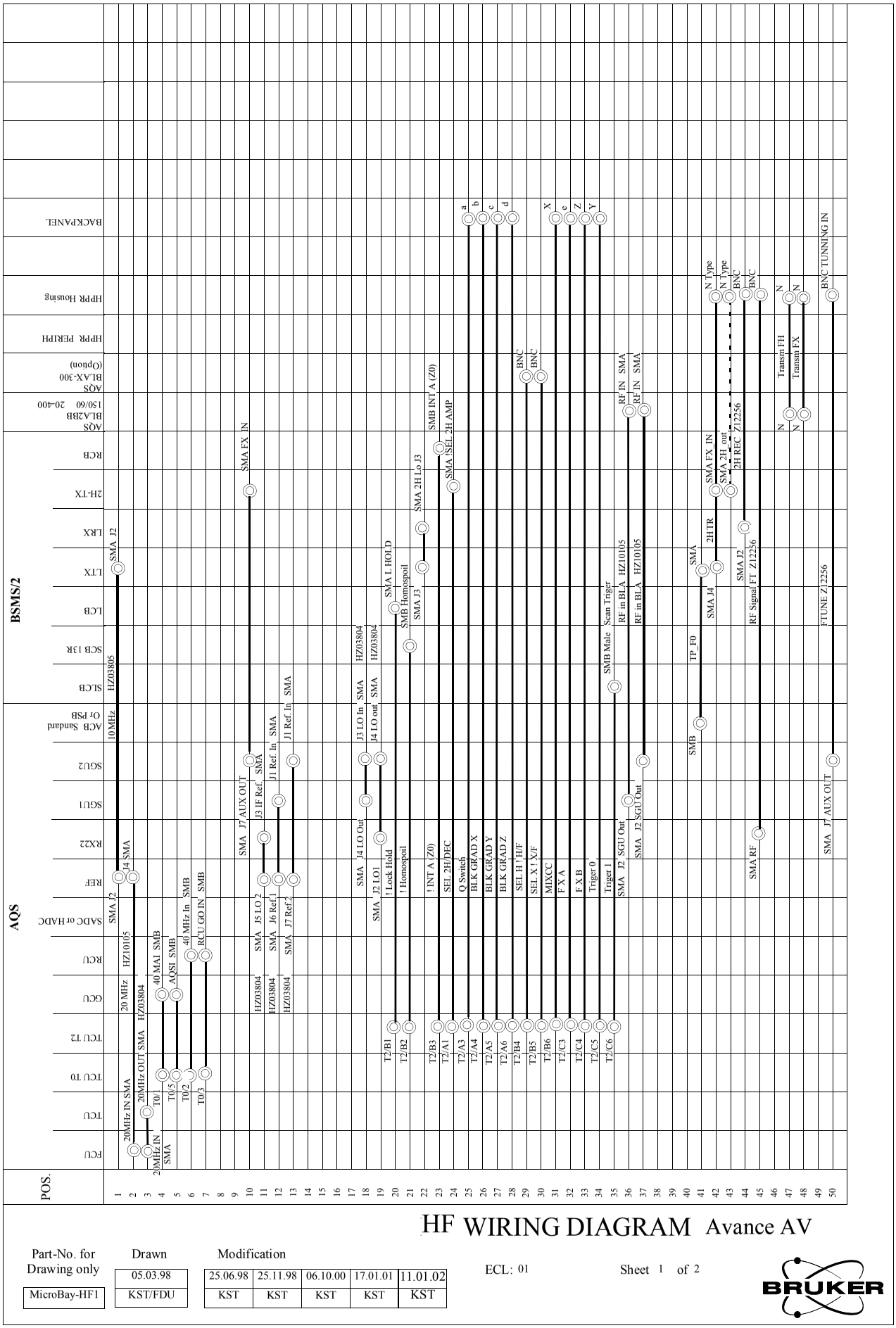


Figure 3.3. Avance AV MicroBay HF Wiring Diagram Page 1



HF WIRING DIAGRAM Avance AV

Part-No. for Drawing only	Drawn	Modification				
	05.03.98	25.06.98	25.11.98	06.10.00	17.01.01	11.01.02
MicroBay-HF1	KST/FDU	KST	KST	KST	KST	KST

ECL: 01 Sheet 1 of 2

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Figure 3.4. Avance AV MicroBay HF Wiring Diagram Page 2

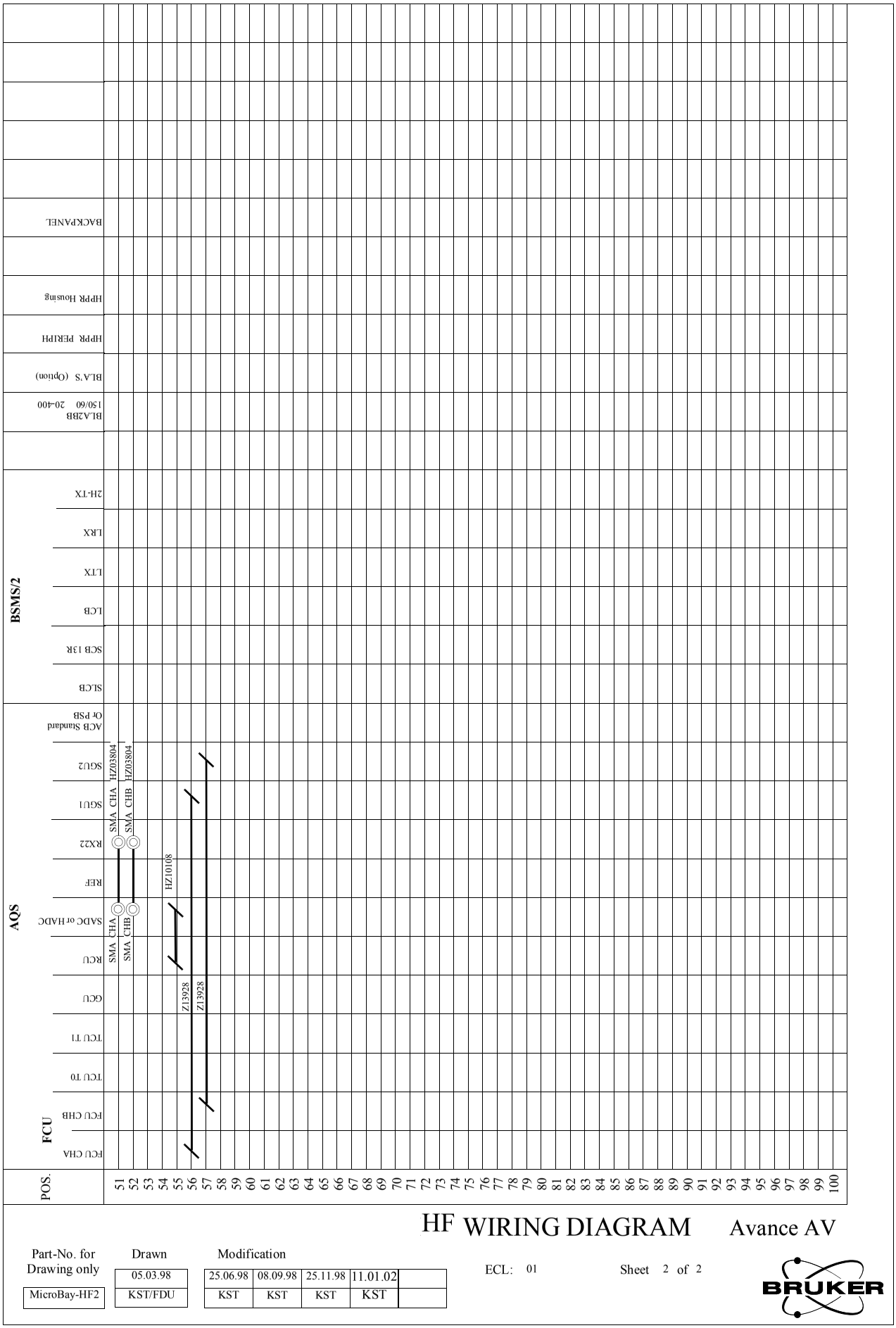


Figure 3.5. Backpanel Periph. HPPR

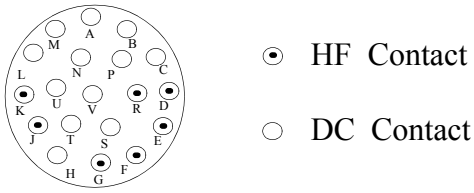


Table 3.1. Signal Name Periph. HPPR

PIN	COAX Connections
D	NMR2<7> (RCP)
F	TGPF0 (SPFO)
G	RGPc (EPc)

PIN	DC Connections
A	+19V HPPR
B	AGND HPPR
C	+19V HPPR
H	AGND HPPR
L	-19V HPPR
M	DGND HPPR
N	+9V HPPR
U	+9V X
V	GND X

PIN	Disposal Connections
L	
P	
S	
T	
E	
J	
R	

Backpanel Periph HPPR2

Figure 3.6. Backpanel BP1 28P

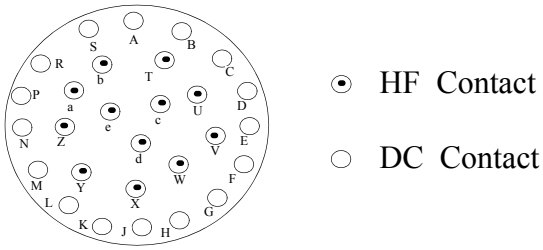


Table 3.2. Signal Name

PIN	COAX Connections
a	Q Switch
b	BLK GRAD X
c	BLK GRAD Y
d	BLK GRAD Z
e	FX A
Z	FX B
Y	Triger 0
X	MIXCC
W	
V	
U	
T	

PIN	DC Connections
A	+ 19V
B	GND
C	
D	
E	
F	
G	
H	
J	
K	
L	
M	
N	
P	
R	
S	

Figure 3.7. Avance AV OneBay & TwoBay DC Wiring Diagram Page 1

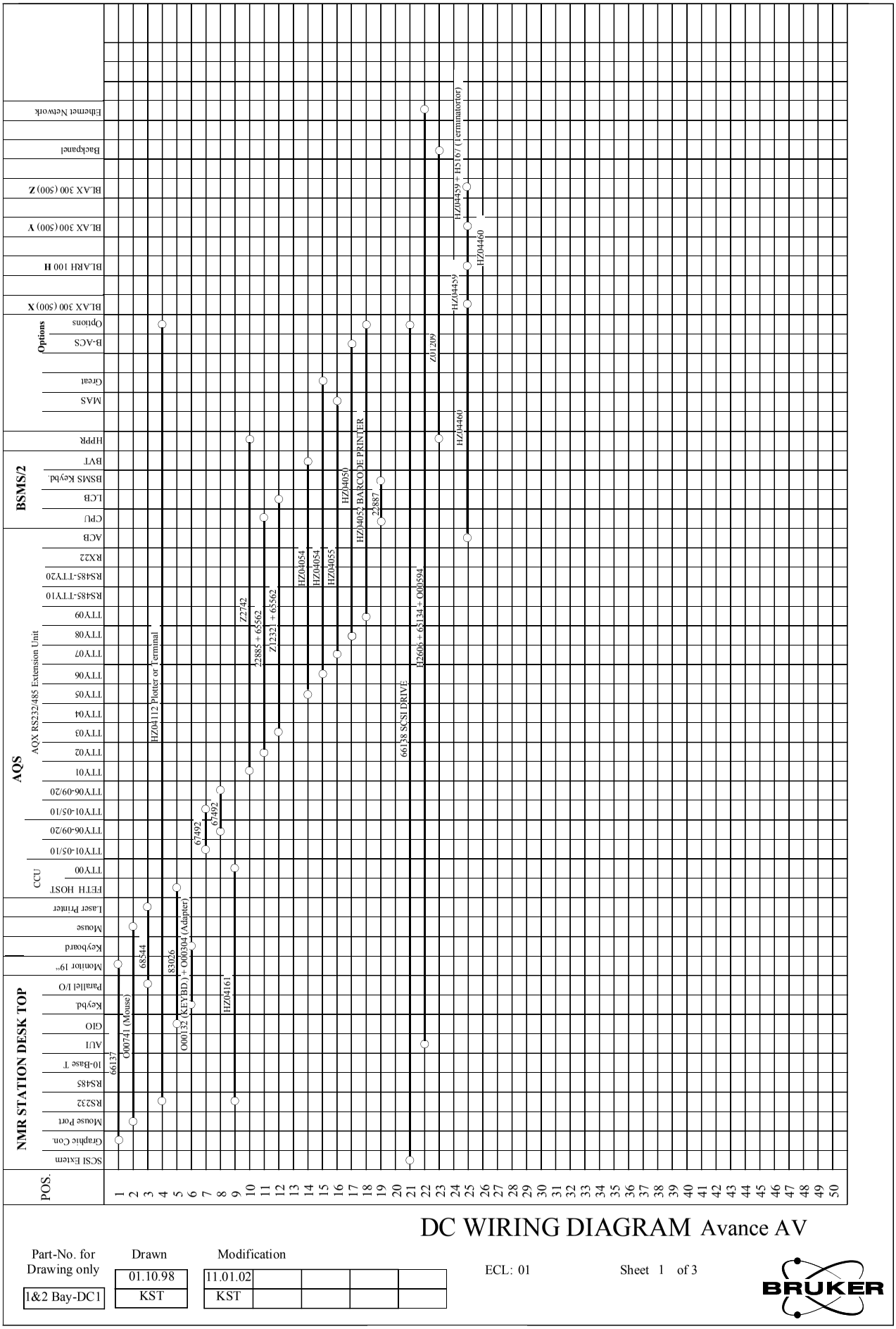


Figure 3.8. Avance AVAV OneBay & TwoBay DC Wiring Diagram Page 2

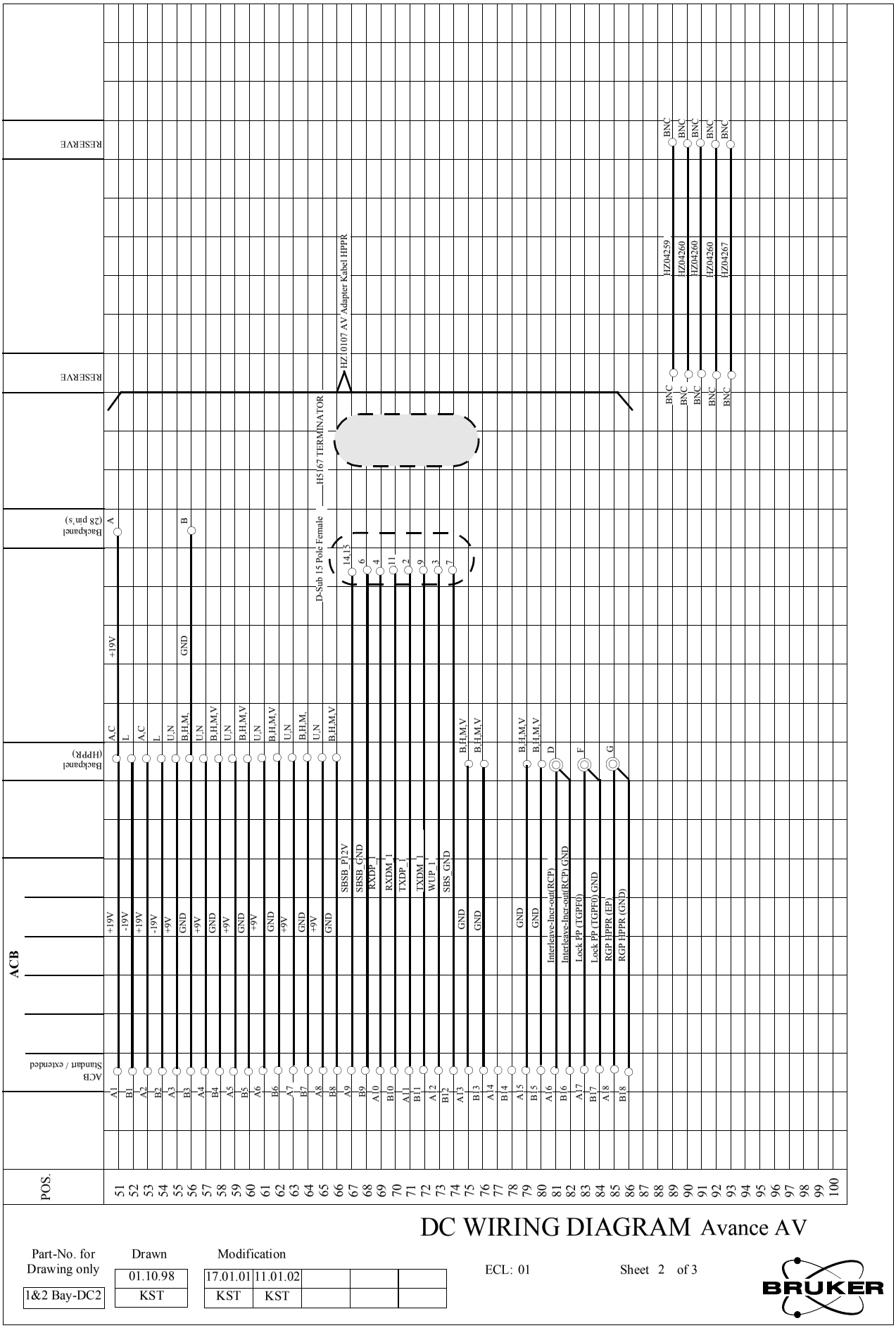


Figure 3.9. Avance AV OneBay & TwoBay DC Wiring Diagram Page 3

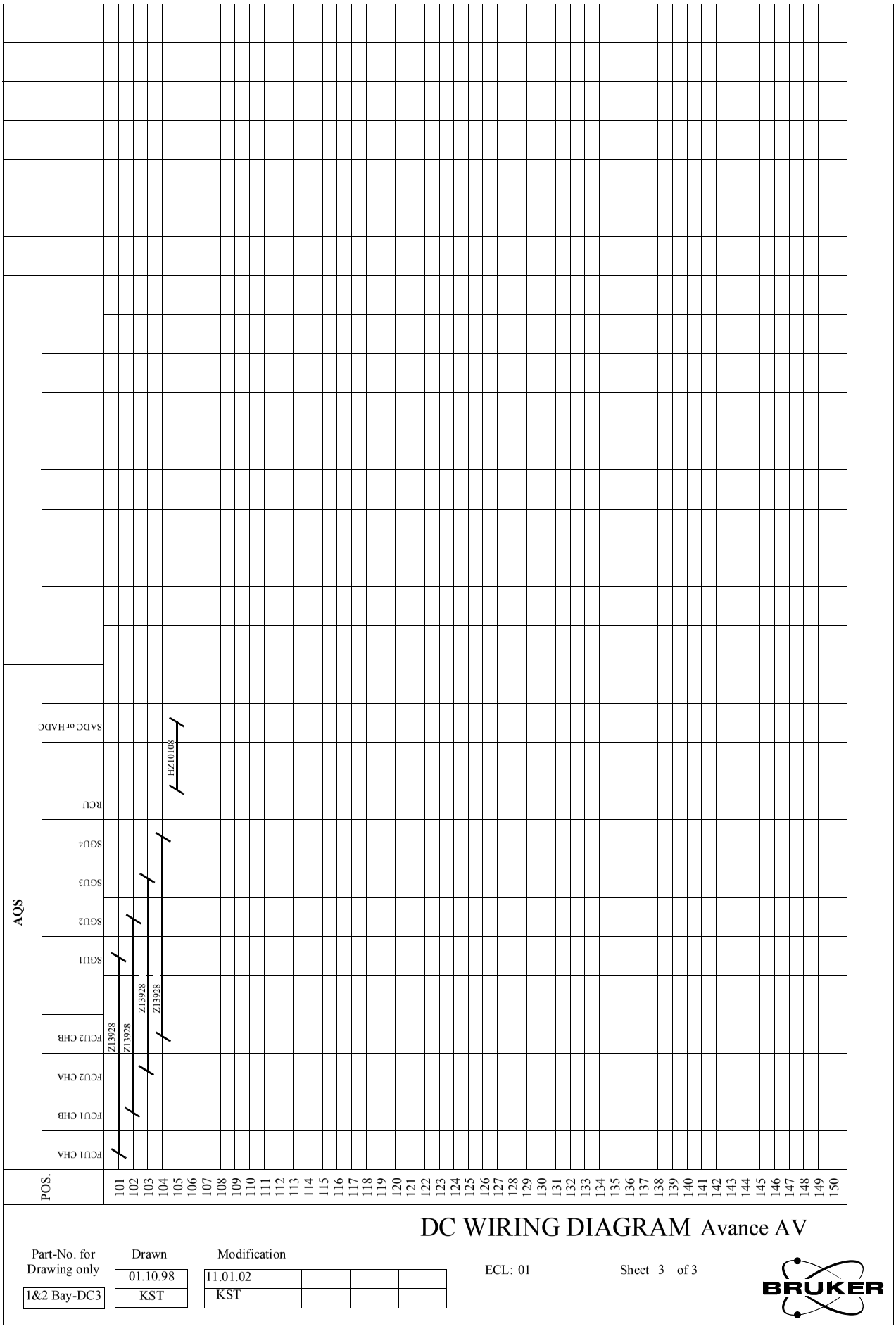
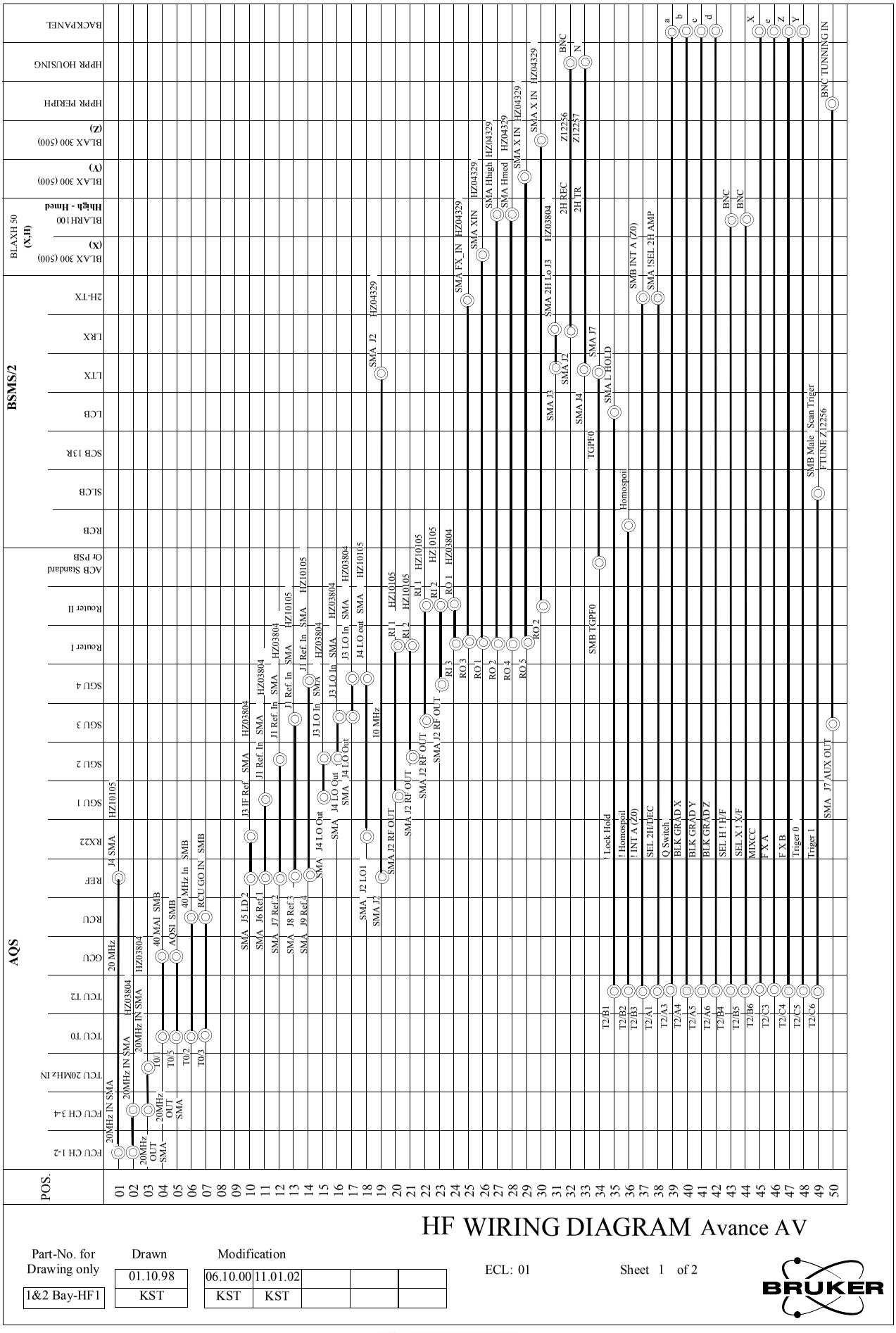


Figure 3.10. Avance AV OneBay & TwoBay HF Wiring Diagram Page 1



HF WIRING DIAGRAM Avance AV

Part-No. for Drawing only	Drawn	Modification				
1&2 Bay-HF1	01.10.98	06.10.00	11.01.02			
	KST	KST	KST			

ECL: 01 Sheet 1 of 2

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Figure 3.11. Avance AV OneBay & TwoBay HF Wiring Diagram Page 2

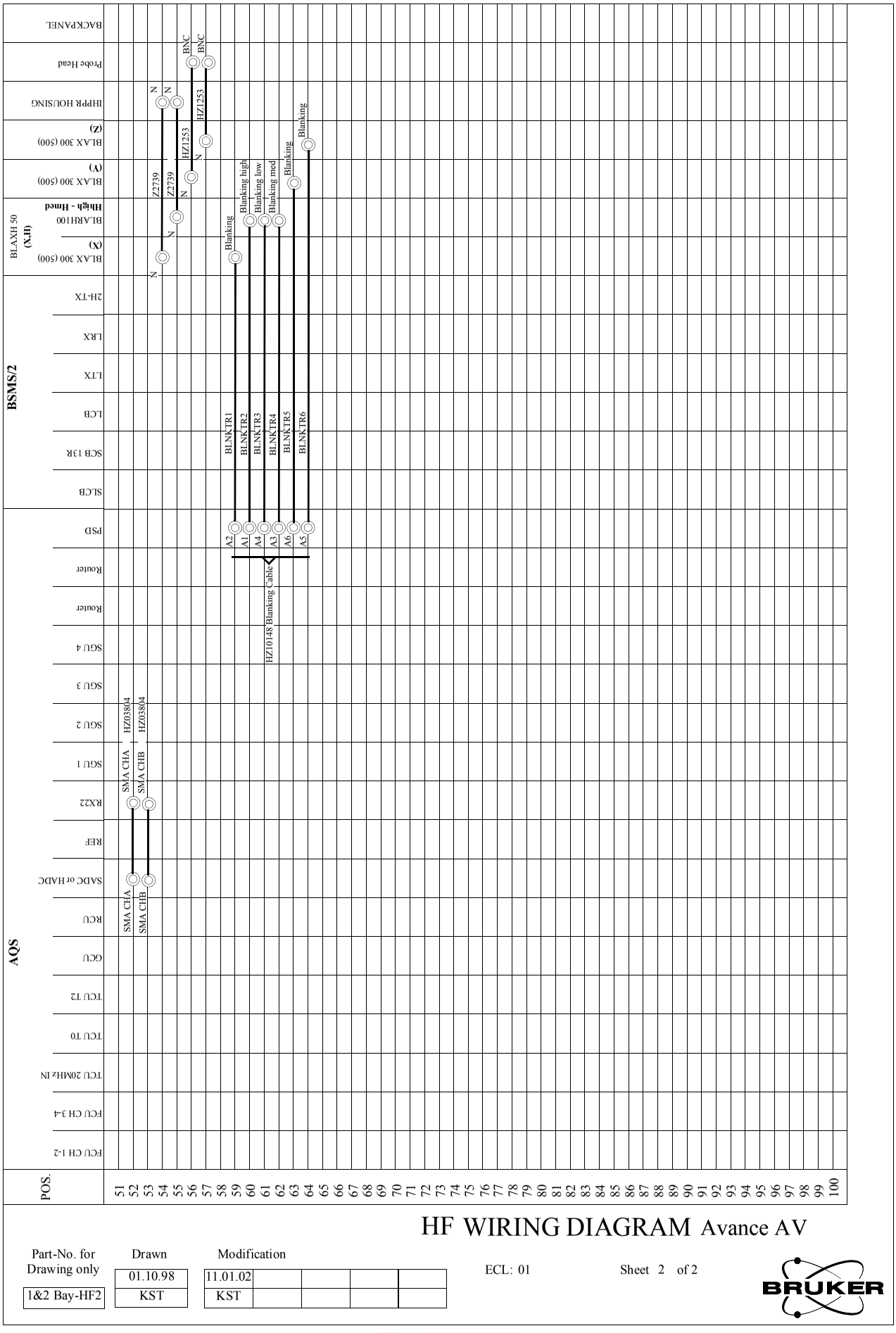
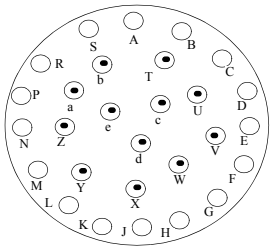


Figure 3.12. Backpanel BP1 28P



HF Contact

DC Contact

PIN	COAX Connections
a	Q Switch
b	BLK GRAD X
c	BLK GRAD Y
d	BLK GRAD Z
e	FX A
Z	FX B
Y	Triger 0
X	MIXCC
W	
V	
U	
T	

PIN	DC Connections
A	+ 19V
B	GND
C	
D	
E	
F	
G	
H	
J	
K	
L	
M	
N	
P	
R	
S	

Figure 3.13. Backpanel Periph. HPPR

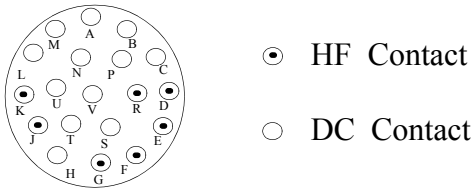


Table 3.3. Signal Name Periph. HPPR

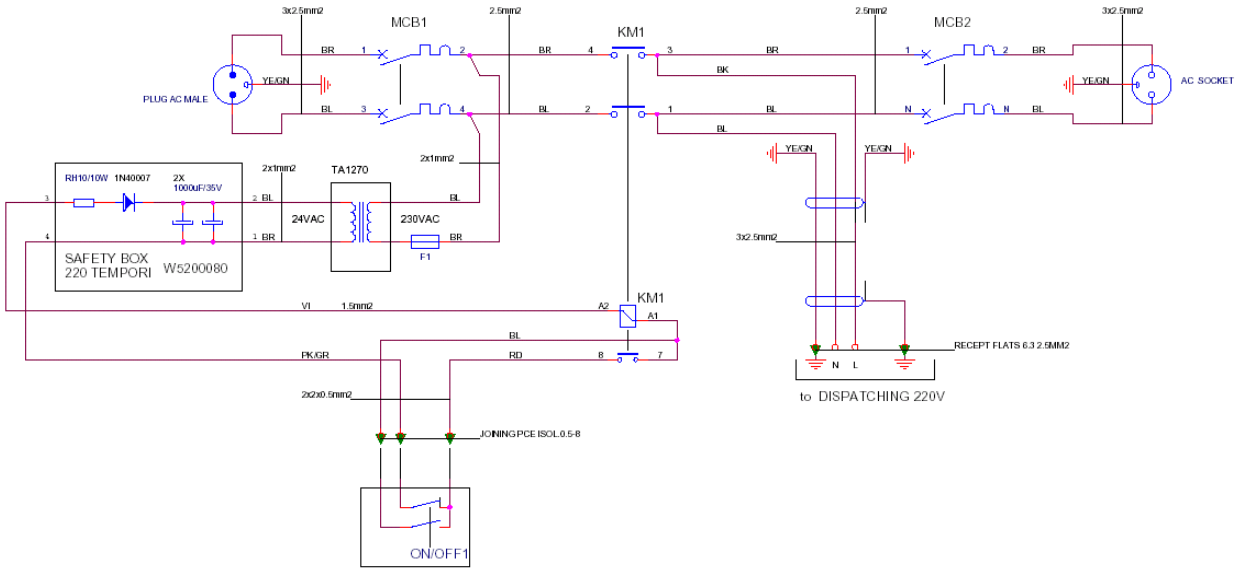
PIN	COAX Connections
D	NMR2<7> RCP Paswitch
F	TGPF0 (SPFO)
G	RGP

PIN	DC Connections
A	+19V HPPR
B	AGND HPPR
C	+19V HPPR
H	AGND HPPR
K	
L	-19V HPPR
M	DGND HPPR
N	+9V HPPR
U	+9V X
V	GND X

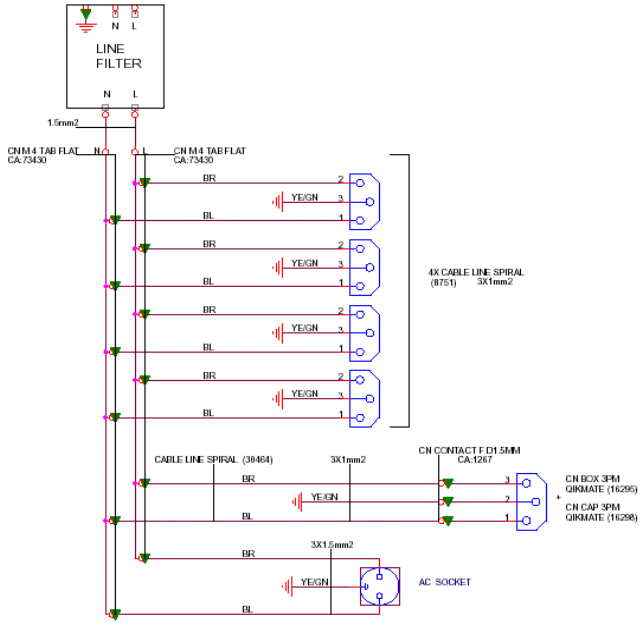
Main Power Wiring 4

AVANCE MicroBay 4.1

Safety Box *W5200101*

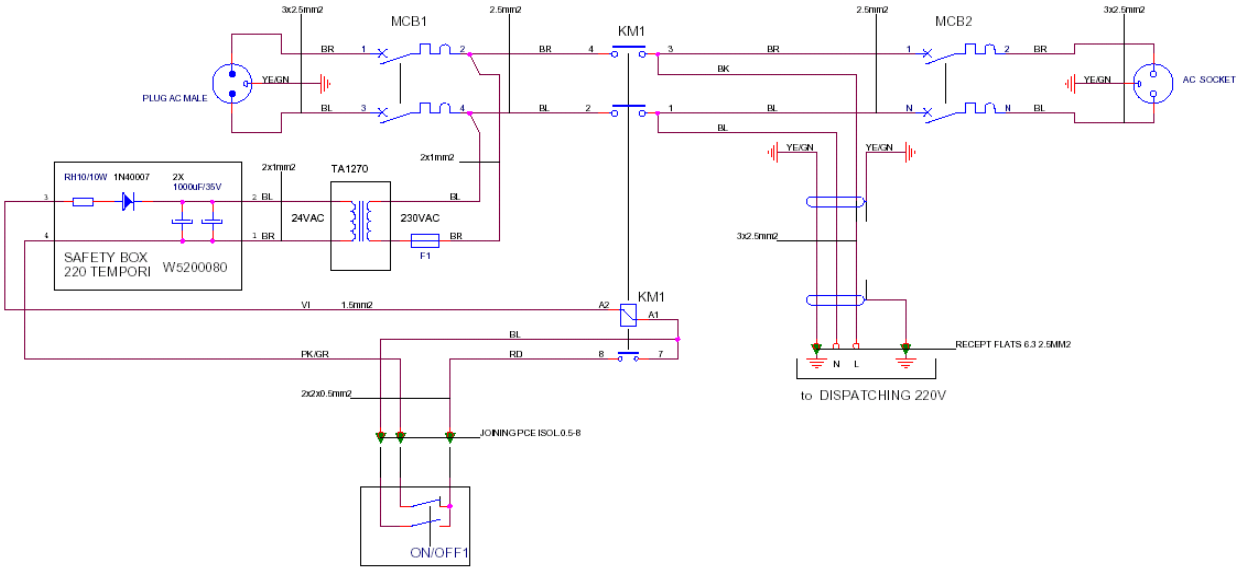


Distribution Box *W5200128*



AVANCE OneBay *4.2*

Safety Box *W5200101*



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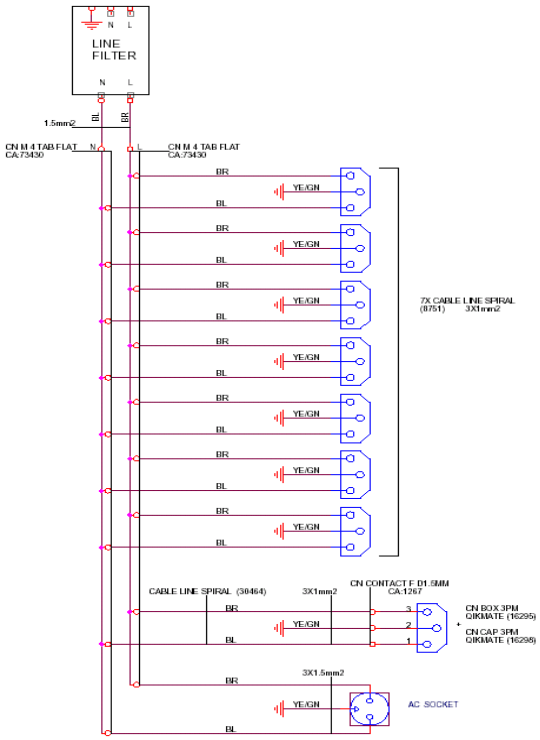
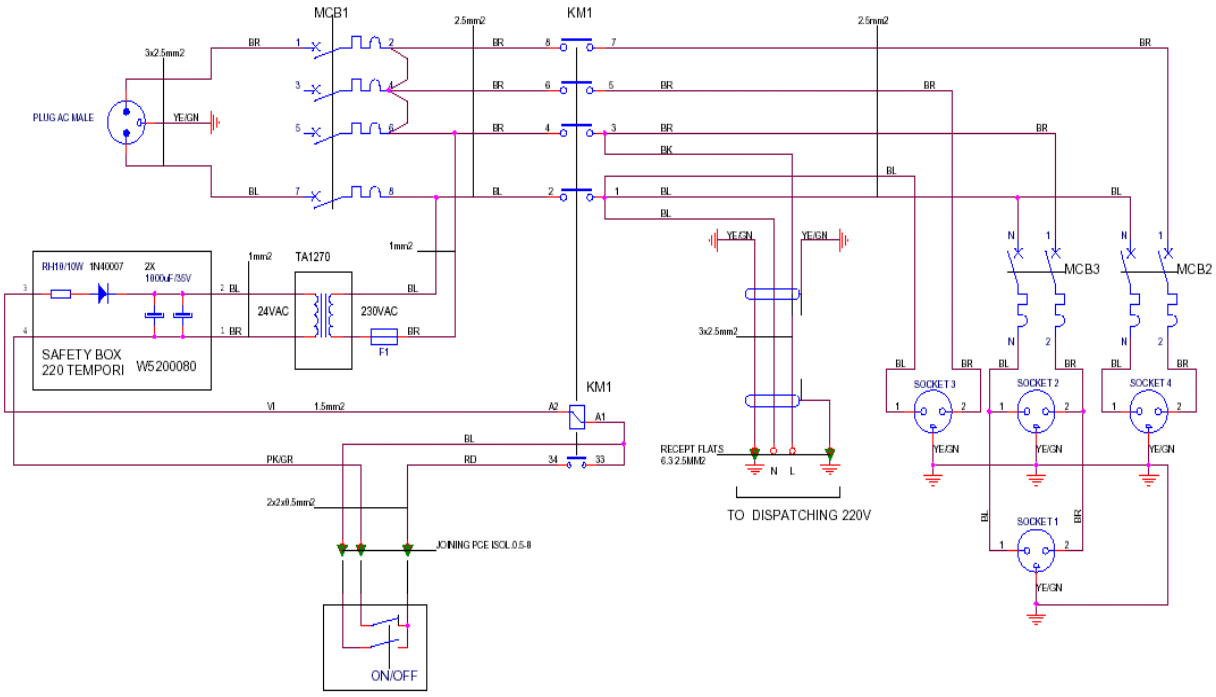


AVANCE TwoBay Singel Phase 230V 16A *4.3*

Safety Box *W5200079*



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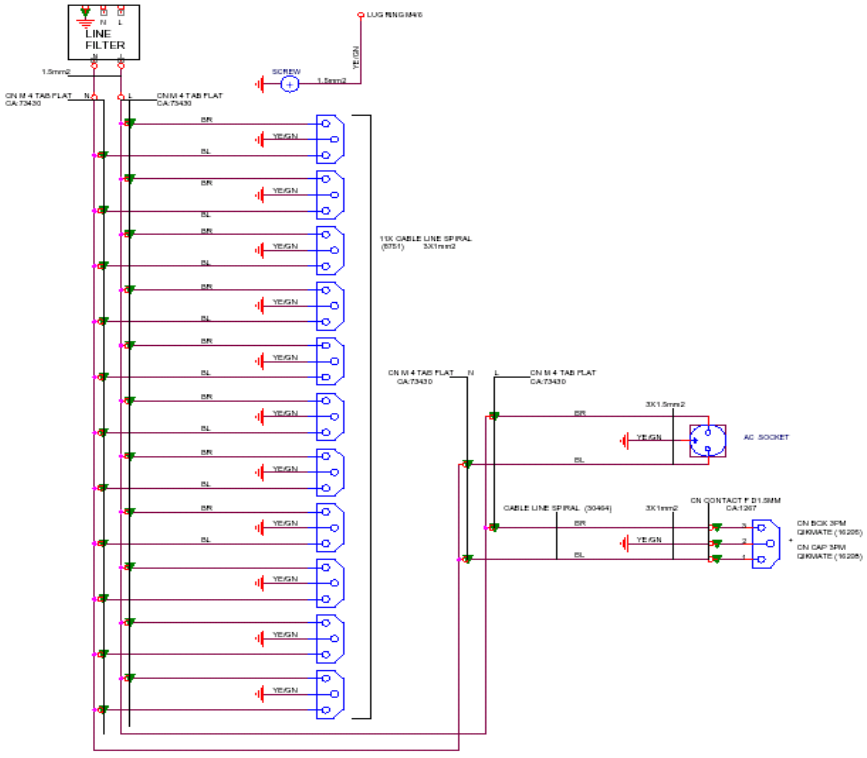

AVANCE TwoBay Singel Phase 230V 32A *4.4*

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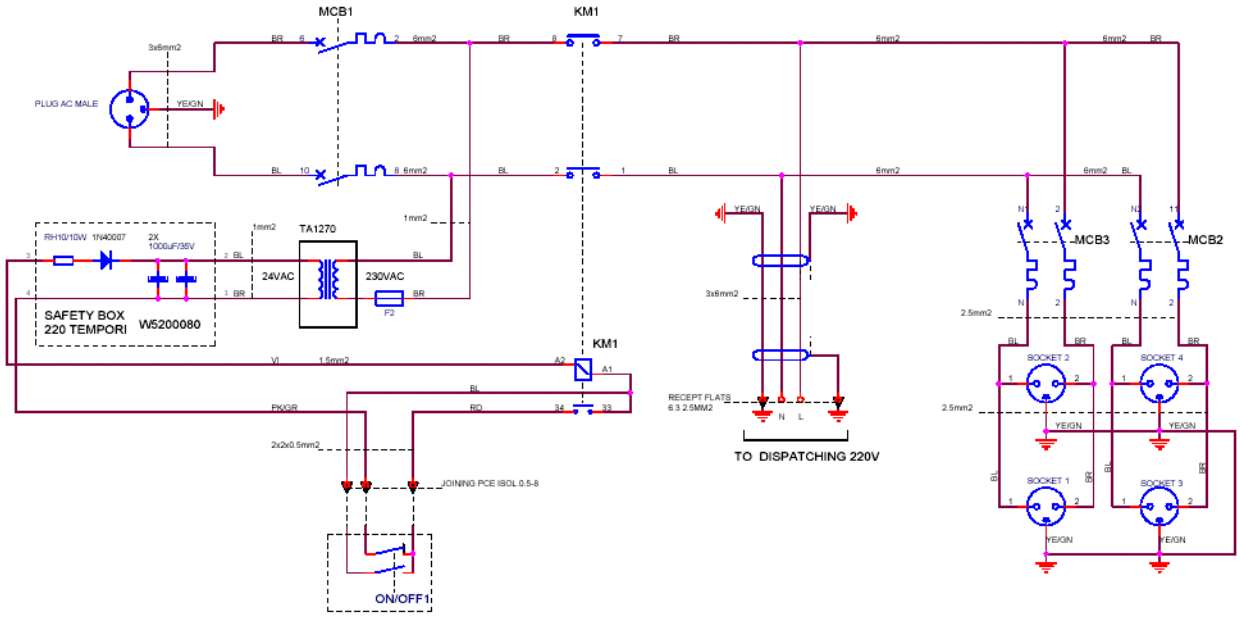

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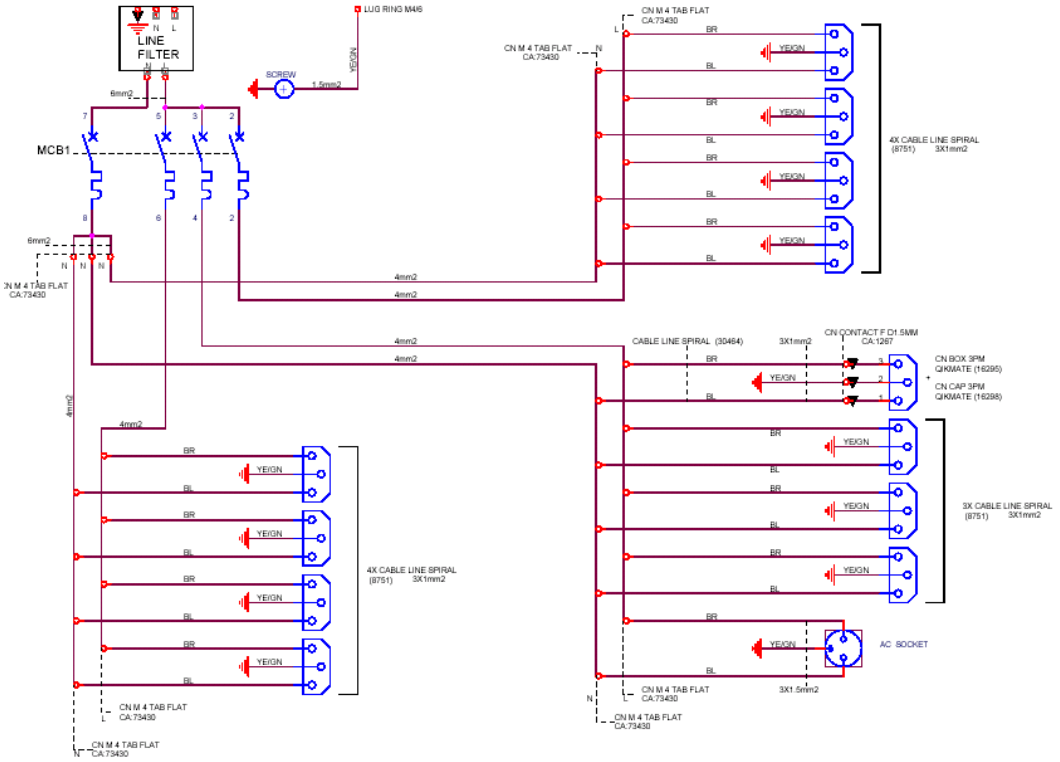

AVANCE TwoBay Three Phase 400V 3x16A *4.5*

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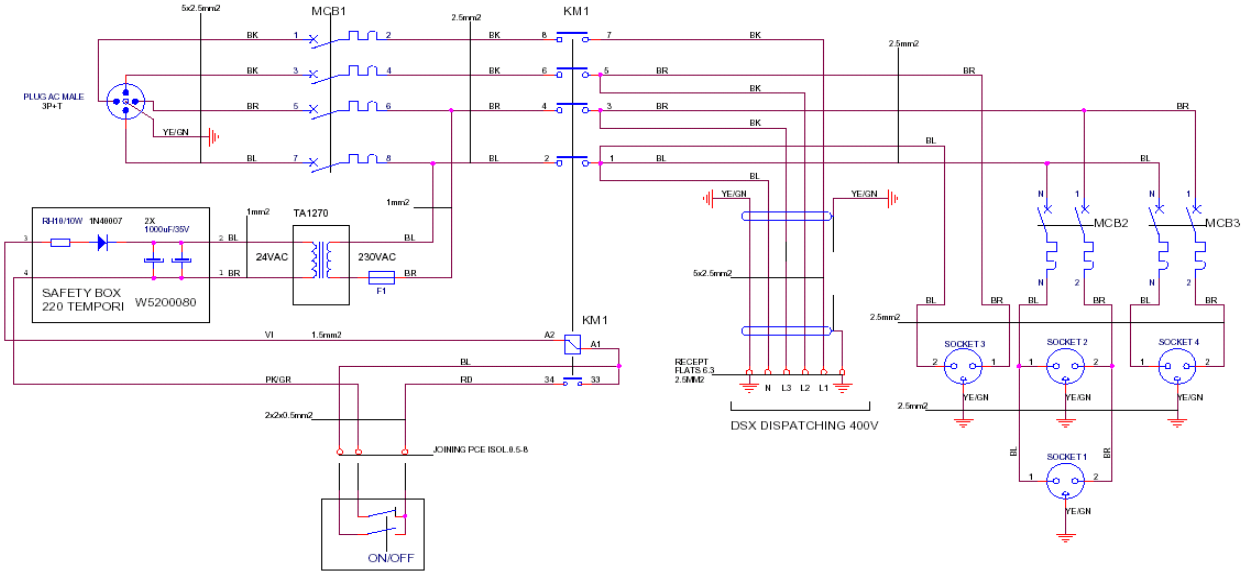

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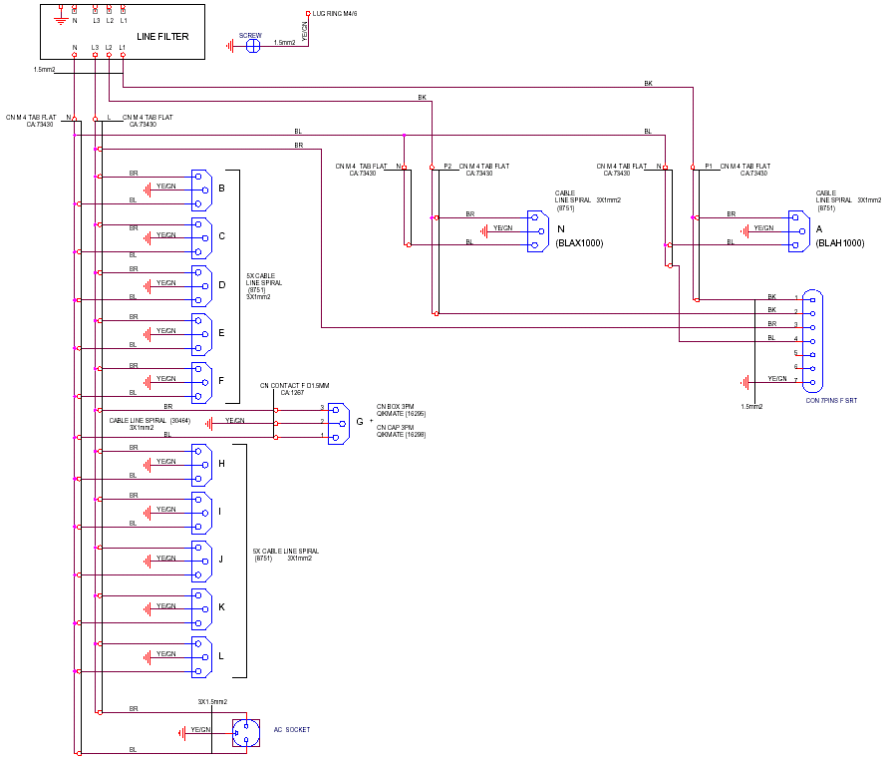

Main Power Wiring

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