1006B INSERTION DIPOLES

R6BD3

Quench Protection
QP10
b6-dh0-qp
QPAIC: A1
QPAIC Port: J1B

(NOT TO SCALE)

B05/06-PS3
b6-dh0-ps
600A @ 20V

In: b6.dh0.i-BMD
wfg: cfe-6b-ps1.f1

S = R03-C-J12
I = R03-C-J13
V = R03-C-J14
D = R03-C-J15

Node Card Port: 10-9
R = 1.64 mOhms

(NOT TO SCALE)

R6BD2

Quench Protection
QP11
b6-dhx-qp
QPAIC: A1
QPAIC Port: J1A
(NOT TO SCALE)

Agilent MultiMeter and GPIB-ENET Box
GPIB-ENET Box Address: gpib19.pbn.bnl.gov

B05/06-PS2
b6-dhx-ps
2000A @ 20V

In 1: b6.dhx.i-BMD
In 1 wfg: cfe-6b-ps1.e1
In 2: b6.dh0.i-BMD
In 2 wfg: cfe-6b-ps1.f1
S = R03-C-J4
I = R03-C-J5
V = R03-C-J6
D = R03-C-J7

In2: B05/06 DX
Node Card Port: 10-8
R = 0.48 mOhms

(NOT TO SCALE)

R6BD1

Quench Protection
QP11
y6-dh0-qp
QPAIC: A1
QPAIC Port: J5A

(NOT TO SCALE)

Y05/06-PS1
y6-dh0-ps
2000A @ 20V

In: y6.dh0.i-YMD
wfg: cfe-6b-ps2.e1

S = R04-C-J4
I = R04-C-J5
V = R04-C-J6
D = R04-C-J7

Node Card Port: 10-7
R = 0.49 mOhms

(NOT TO SCALE)

1006B QUAD DEFOCUSSING POWER SUPPLIES

R6BQD1

5u Spacer

Quench Protection
QP05
b06-qf8-qp
QPAIC: A1
QPAIC Port: J3A

1u Spacer

B006-PSFA
bo6-qf8-ps
200A @ +/-15V

In 1: bo6.qf8.i-BQID
In 1 wfg: cfe-6b-ps1.d1
In 2: b6.q89.i-BQID
IN 2 wfg: cfe-6b-ps1.d0
S = R03-B-J12
I = R03-B-J13
V = R03-B-J14
D = R03-B-J15

Node Card Port: 10-1
R = 5.78 mOhms

3u Spacer

Quench Protection
QP04
b6-q89-qp
QPAIC: A1
QPAIC Port: J2B

B05/06-PSDA
b6-q89-ps
+/-300A @ +/-15V

In: b6.q89.i-BQID
wfg: cfe-6b-ps1.d0

S = R03-B-J8
I = R03-B-J9
V = R03-B-J10
D = R03-B-J11

Node Card Port: 10-2
R = 4.06 mOhms

1u Spacer

R6BQD2

Node Card
Address 10
PS=9, QPAIC=1, Bypass=1

QPAIC-A1

Node Card Port: 10 - 12

Bypass Chassis
Node Card Port: 10 - 11

Quench Protection
QP05
yo5-qf8-qp
QPAIC: A1
QPAIC Port: J6B

1u Spacer

Y005-PSFA
yo5-qf8-ps
200A @ 15V

In 1: yo5.qf8.i-YQID
In 1 wfg: cfe-6b-ps2.e0
In 2: yi6.q89.i-YQID
IN 2 wfg: cfe-6b-ps2.d0
S = R04-C-J0
I = R04-C-J1
V = R04-C-J2
D = R04-C-J3

Node Card Port: 10-3
R = 4.59 mOhms

1u Spacer

Quench Protection
QP05
bi5-qf9-qp
QPAIC: A1
QPAIC Port: J2A

1u Spacer

BI05-PSFA
bi5-qf9-ps
200A @ 15V

In 1: bi5.qf9.i-BQID
In 1 wfg: cfe-6b-ps1.e0
In 2: bo6.q89.i-BQID
In 2 wfg: cfe-6b-ps1.d0
S = R03-C-J0
I = R03-C-J1
V = R03-C-J2
D = R03-C-J3

Node Card Port: 10-4
R = 5.62 mOhms

1u Spacer

R6BQD3

Timing Resolver For QPAIC - A1 — 77.0° 44U

2u Spacer — 70.0° 40U

Quench Protection
QP05
yi6-qf9-qp
QPAIC: A1
QPAIC Port: J6A

1u Spacer

YI06-PSFA
yi6-qf9-ps
200A @ 15V

In 1: yi6.qf9.i-YQID
In 1 wfg: cfe-6b-ps2.d1
In 2: y6.q89.i-YQID
IN 2 wfg: cfe-6b-ps2.d0
S = R04-B-J12
I = R04-B-J13
V = R04-B-J14
D = R04-B-J15

Node Card Port: 10-5
R = 4.75 mOhms — 52.5° 30U

3u Spacer — 35.0° 20U

Quench Protection
QP04
y6-q89-qp
QPAIC: A1
QPAIC Port: J5B

Y05/06-PSDA
y6-q89-ps
+/-300A @ +/-15V

In: y6.q89.i-YQID
wfg: cfe-6b-ps2.d0

S = R04-B-J8
I = R04-B-J9
V = R04-B-J10
D = R04-B-J11

Node Card Port: 10-6
R = 3.34 mOhms — 17.5° 10U

1u Spacer

REV	A
SHT	2 OF 5
DWG NO	24060035

COLLIDER-ACCELERATOR DEPARTMENT
BROOKHAVEN NATIONAL LABORATORY
UPTON, N.Y. 11973

SIZE	DRAWING NUMBER:	REV.
C	24060035	A

Q.A. CATEGORY: A-3 | SCALE: 1/1 | WEIGHT: NA | SHEET 2 OF 5