1010A YELLOW FOCUSSING QUAD POWER SUPPLIES

R10AYQF1

Quench Protection
QP05
yo9-qdl-qp
QPAIC: A1
QPAIC Port: J7A

Y009-PS1
yo9-qdl-ps
200A @ 15V
In 1: yo9.qdl.i-YQIF
In 1 wfg: cfe-10a-ps2.g0
In 2: yo9.qf2.i-YQIF
In 2 wfg: cfe-10a-ps2.h0
S = R07-D-J0
I = R07-D-J1
V = R07-D-J2
D = R07-D-J3

Node Card Port: 13-1
R = 5.15 mOhms

Quench Protection
QP08
bi9-qf6-qp
QPAIC: A1
QPAIC Port: J7B

1u Spacer

Y009-PS(45)6
yo9-qf6-ps
450A @ 15V
In 1: yo9.qf6.i-YQIF
In 1 wfg: cfe-10a-ps4.a0
In 2: yo9.qd7.i-YQIF
In 2 wfg: cfe-10a-ps4.a1
S = R07-E-J0
I = R07-E-J1
V = R07-E-J2
D = R07-E-J3

Node Card Port: 13-2
R = 2.52 mOhms

1u Spacer

R10AYQF2

Node Card
Address: 13
PS=10, QPAIC=1

3u Blank Panel

Quench Protection
QP03

Y009-PS2
yo9-qf2-ps
+/-150A @ +/-15V
In 1: yo9.qf2.i-YQIF
In 1 wfg: cfe-10a-ps2.h0
In 2: yo9.qd3.i-YQIF
In 2 wfg: cfe-10a-ps2.h1
S = R07-D-J8
I = R07-D-J9
V = R07-D-J10
D = R07-D-J11

Node Card Port: 13-3
R = 10.44 mOhms

Quench Protection
QP07
yo9-qd3-qp
QPAIC: A1
QPAIC Port: J6B

1u Spacer

Y009-PS3
yo9-qd3-ps
300A @ 15V
In 1: yo9.qd3.i-YQIF
In 1 wfg: cfe-10a-ps2.h1
In 2: yo9.qf6.i-YQIF
In 2 wfg:
cfe-10a-ps2.i0
S = R07-D-J12
I = R07-D-J13
V = R07-D-J14
D = R07-D-J15

Node Card Port: 13-4
R = 3.73 mOhms

1u Spacer

R10AYQF3

QPAIC-A2

Node Card Port: 13-12

Timing Resolver For QPAIC-A2

Quench Protection
QP03

YI10-PS2
yi10-qd2-ps
+/-150A @ +/-15V
In 1: yi10.qd2.i-YQIF
In 1 wfg: cfe-10a-ps4.b0
In 2: yi10.qf3.i-YQIF
In 2 wfg: cfe-10a-ps4.b1
S = R07-E-J8
I = R07-E-J9
V = R07-E-J10
D = R07-E-J11

Node Card Port: 13-5
R = 10.75 mOhms

Quench Protection
QP07
bo10-qd3-qp
QPAIC: A1
QPAIC Port: J5B

1u Spacer

YI10-PS3
yi10-qf3-ps
300A @ 15V
In 1: yi10.qf3.i-YQIF
In 1 wfg: cfe-10a-ps4.b1
In 2: yi10.qd6.i-YQIF
In 2 wfg:
cfe-10a-ps4.c0
S = R07-E-J12
I = R07-E-J13
V = R07-E-J14
D = R07-E-J15

Node Card Port: 13-6
R = 3.84 mOhms

1u Spacer

R10AYQF4

Quench Protection
QP05
yi10-qf1-qp
QPAIC: A2
QPAIC Port: J7B

YI10-PS1
yi10-qf1-ps
200A @ 15V
In 1: yi10.qf1.i-YQIF
In 1 wfg: cfe-10a-ps2.g1
In 2: yi10.qd2.i-YQIF
In 2 wfg: cfe-10a-ps2.j0
S = R07-D-J4
I = R07-D-J5
V = R07-D-J6
D = R07-D-J7

Node Card Port: 13-7
R = 5.62 mOhms

Quench Protection
QP08
yi10-qd6-qp
QPAIC: A2
QPAIC Port: J8A

1u Spacer

YI10-PS(45)6
yi10-qd6-ps
450A @ 15V
Control: 2 Input
In 1: YMQ-YI10 Q7
In 2: YI10 Q(45)6
In 1: yi10.qd6.i-YQIF
In 1 wfg: cfe-10a-ps4.c0
In 2: yi10.qf7.i-YQIF
In 2 wfg: cfe-10a-ps4.c1
S = R07-F-J0
I = R07-F-J1
V = R07-F-J2
D = R07-F-J3

Node Card Port:
13-8
R=2.75 mOhms

1u Spacer

R10AYQF5

Quench Protection
QP09
yo9-qd7-qp
QPAIC: A2
QPAIC Port: J7A

(NOT TO SCALE)

Y009-PS7
yo9-qd7-ps
600A @ 20V
Control: 1 Input
In: YMQ-Y009 Q7
In: yo9.qd7.i-YQIF
wfg: cfe-10a-ps4.a1
S = R07-E-J4
I = R07-E-J5
V = R07-E-J6
D = R07-E-J7

Node Card Port: 13-9
R = 2.03 mOhms

(NOT TO SCALE)

R10AYQF6

Quench Protection
QP09
yi10-qf7-qp
QPAIC: A2
QPAIC Port: J6B

(NOT TO SCALE)

YI10-PS7
yi10-qf7-ps
600A @ 20V
Control: 1 Input
In: YMQ-YI10 Q7
In: yi10.qf7.i-YQIF
wfg: cfe-10a-ps4.c1
S = R07-F-J4
I = R07-F-J5
V = R07-F-J6
D = R07-F-J7

Node Card Port: 13-10
R = 2.09 mOhms

(NOT TO SCALE)

COLLIDER-ACCELERATOR DEPARTMENT BROOKHAVEN NATIONAL LABORATORY UPTON, N.Y. 11973	SIZE C	DRAWING NUMBER: 24060037			REV. A
	Q.A. CATEGORY: A-3	SCALE: 1/1	WEIGHT: NA	SHEET 5 OF 7	

DWG NO 24060037 SHT 5 OF 7 REV A