REVISIONS							
REV	ZONE	ECN NO.	DESCRIPTION	BY	DATE	CKR	APP
A			INITIAL RELEASE	LT	9/03		

NOTES:

1010A QUAD TRIM POWER SUPPLIES

	R10AQT1	R10AQT2	R10AQT3	R10AQT4
77.0° 44U		Node Card Address: 9 PS=12	tq Ground Current Monitoring Chassis	
	4u blank	1u Spacer	1u Spacer	4u blank panel
70.0° 40U	Quench Protection QP03 bi9-tq4-qp QPAIC: B1 QPAIC Port: J1A	Quench Protection QP03 bo10-tq4-qp QPAIC: B1 QPAIC Port: J2B	Quench Protection QP03 yo9-tq4-qp QPAIC: B1 QPAIC Port: J5A	Quench Protection QP03 yi10-tq4-qp QPAIC: B1 QPAIC Port: J6B
52.5° 30U	BI09-QT4 bi9-tq4-ps +/-150A @ +/-15V Control: 1 Input wfg: cfe-10a-psl.a0 S = R06-A-J0 I = R06-A-J1 V = R06-A-J2 D = R06-A-J3 IGND = R06-H-J1 Node Card Port: 9-1 R = 12.47 mOhms	BO10-QT4 bo10-tq4-ps +/-150A @ +/-15V Control: 1 Input wfg: cfe-10a-psl.b1 S = R06-A-J12 I = R06-A-J13 V = R06-A-J14 D = R06-A-J15 IGND = R06-G-J14 Node Card Port: 9-4 R = 12.16 mOhms	YO09-QT4 yo9-tq4-ps +/-150A @ +/-15V Control: 1 Input wfg: cfe-10a-ps2.a0 S = R07-A-J0 I = R07-A-J1 V = R07-A-J2 D = R07-A-J3 IGND = R07-H-J11 Node Card Port: 9-7 R = 13.09 mOhms	YI10-QT4 yi10-tq4-ps +/-150A @ +/-15V Control: 1 Input wfg: cfe-10a-ps2.b1 S = R07-A-J12 I = R07-A-J13 V = R07-A-J14 D = R07-A-J15 IGND = R07-H-J8 Node Card Port: 9-10 R = 12.78 mOhms
	Quench Protection QP03 bi9-tq5-qp QPAIC: B1 QPAIC Port: J1B	Quench Protection QP03 bo10-tq5-qp QPAIC: B1 QPAIC Port: J3A	Quench Protection QP03 yo9-tq5-qp QPAIC: B1 QPAIC Port: J5B	Quench Protection QP03 yi10-tq5-qp QPAIC: B1 QPAIC Port: J7A
35.0° 20U	BI09-QT5 bi9-tq5-ps +/-150A @ +/-15V Control: 1 Input wfg: cfe-10a-psl.a1 S = R06-A-J4 I = R06-A-J5 V = R06-A-J6 D = R06-A-J7 IGND = R06-H-J2 Node Card Port: 9-2 R = 12.47 mOhms	BO10-QT5 bo10-tq5-ps +/-150A @ +/-15V Control: 1 Input wfg: cfe-10a-psl.c0 S = R06-B-J0 I = R06-B-J1 V = R06-B-J2 D = R06-B-J3 IGND = R06-G-J15 Node Card Port: 9-5 R = 12.16 mOhms	YO09-QT5 yo9-tq5-ps +/-150A @ +/-15V Control: 1 Input wfg: cfe-10a-ps2.a1 S = R07-A-J4 I = R07-A-J5 V = R07-A-J6 D = R07-A-J7 IGND = R07-H-J12 Node Card Port: 9-8 R = 13.09 mOhms	YI10-QT5 yi10-tq5-ps +/-150A @ +/-15V Control: 1 Input wfg: cfe-10a-ps2.c0 S = R07-B-J0 I = R07-B-J1 V = R07-B-J2 D = R07-B-J3 IGND = R07-H-J9 Node Card Port: 9-11 R = 12.78 mOhms
17.5° 10U	Quench Protection QP03 bi9-tq6-qp QPAIC: B1 QPAIC Port: J2A	Quench Protection QP03 bo10-tq6-qp QPAIC: B1 QPAIC Port: J3B	Quench Protection QP03 yo9-tq6-qp QPAIC: B1 QPAIC Port: J6A	Quench Protection QP03 yi10-tq6-qp QPAIC: B1 QPAIC Port: J7B
	BI09-QT6 bi9-tq6-ps +/-150A @ +/-15V Control: 1 Input wfg: cfe-10a-psl.b0 S = R06-A-J8 I = R06-A-J9 V = R06-A-J10 D = R06-A-J11 IGND = R06-H-J3 Node Card Port: 9-3 R = 12.47 mOhms	BO10-QT6 bo10-tq6-ps +/-150A @ +/-15V Control: 1 Input wfg: cfe-10a-psl.c1 S = R06-B-J4 I = R06-B-J5 V = R06-B-J6 D = R06-B-J7 IGND = R06-H-J0 Node Card Port: 9-6 R = 12.16 mOhms	YO09-QT6 yo9-tq6-ps +/-150A @ +/-15V Control: 1 Input wfg: cfe-10a-ps2.b0 S = R07-A-J8 I = R07-A-J9 V = R07-A-J10 D = R07-A-J11 IGND = R07-H-J13 Node Card Port: 9-9 R = 13.09 mOhms	YI10-QT6 yi10-tq6-ps +/-150A @ +/-15V Control: 1 Input wfg: cfe-10a-ps2.c1 S = R07-B-J4 I = R07-B-J5 V = R07-B-J6 D = R07-B-J7 IGND = R07-H-J10 Node Card Port: 9-12 R = 12.78 mOhms
	1u Spacer	1u Spacer	1u Spacer	1u Spacer

USED ON DRAWING NO.	QTY. PER ASS'Y.
APPLICATION	

OUTSTANDING ECN

INTERPRET IN GENERAL ACCORDANCE WITH ASME Y14.24M-1989

UNLESS OTHERWISE SPECIFIED

DIMENSIONS ARE IN INCHES
DECIMAL TOLERANCES
.X ± .06
.XX ± .02
.XXX ± .005
ANGULAR TOLERANCE ± 1°

125 FINISH

BREAK SHARP EDGES
MAX. .03 MIN. .015

RHIC

DRAWN BY	L.TADDONIO	10/1/03
DESIGN APPROVAL		12/12/03
CHECKED BY		12/12/03
ENGINEER APPROVAL		12/12/03
SUPERVISOR APPROVAL		12/15/03

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

TITLE: RHIC 1010A POWER SUPPLIES

SIZE: C
DRAWING NUMBER: 24060037
REV. A

Q.A. CATEGORY A-3 | SCALE: 1/1 | WEIGHT: – | SHEET 1 OF 7

DWG NO 24060037 | SHT 1 OF 7 | REV A

AUTOCAD 2000