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

NOTES:

1012A QUAD TRIM POWER SUPPLIES

	RI2AQT1	RI2AQT2	RI2AQT3	RI2AQT4
77.0° 44U	4u blank	Node Card Address: 9 PS=12 1u Spacer	tq Ground Current Monitoring Chassis 1u Spacer	4u blank panel
70.0° 40U	Quench Protection QP03 b011-tq4-qp QPAIC: B1 QPAIC Port: J1A	Quench Protection QP03 bi12-tq4-qp QPAIC: B1 QPAIC Port: J2B	Quench Protection QP03 yi11-tq4-qp QPAIC: B1 QPAIC Port: J5A	Quench Protection QP03 yo12-tq4-qp QPAIC: B1 QPAIC Port: J6B
52.5° 30U	B011-QT4 b011-tq4-ps +/-150A @ +/-15V wfg: cfe-12a-ps1.a0 S = RI9-A-J0 I = RI9-A-J1 V = RI9-A-J2 D = RI9-A-J3 IGND = RI9-G-J14 Node Card Port: 9-1 R = 13.71 mOhms	BI12-QT4 bi12-tq4-ps +/-150A @ +/-15V wfg: cfe-12a-ps1.b1 S = RI9-A-J12 I = RI9-A-J13 V = RI9-A-J14 D = RI9-A-J15 IGND = RI9-G-J11 Node Card Port: 9-4 R = 14.03 mOhms	YI11-QT4 yi11-tq4-ps +/-150A @ +/-15V wfg: cfe-12a-ps2.a0 S = RI8-A-J0 I = RI8-A-J1 V = RI8-A-J2 D = RI8-A-J3 IGND = RI8-H-J8 Node Card Port: 9-7 R = 11.53 mOhms	YO12-QT4 yo12-tq4-ps +/-150A @ +/-15V wfg: cfe-12a-ps2.b1 S = RI8-A-J12 I = RI8-A-J13 V = RI8-A-J14 D = RI8-A-J15 IGND = RI8-H-J5 Node Card Port: 9-10 R = 11.84 mOhms
	Quench Protection QP03 b011-tq5-qp QPAIC: B1 QPAIC Port: J1B	Quench Protection QP03 bi12-tq5-qp QPAIC: B1 QPAIC Port: J3A	Quench Protection QP03 yi11-tq5-qp QPAIC: B1 QPAIC Port: J5B	Quench Protection QP03 yo12-tq5-qp QPAIC: B1 QPAIC Port: J7A
35.0° 20U	B011-QT5 b011-tq5-ps +/-150A @ +/-15V wfg: cfe-12a-ps1.a1 S = RI9-A-J4 I = RI9-A-J5 V = RI9-A-J6 D = RI9-A-J7 IGND = RI9-G-J15 Node Card Port: 9-2 R = 13.71 mOhms	BI12-QT5 bi12-tq5-ps +/-150A @ +/-15V wfg: cfe-12a-ps1.c0 S = RI9-B-J0 I = RI9-B-J1 V = RI9-B-J2 D = RI9-B-J3 IGND = RI9-G-J12 Node Card Port: 9-5 R = 14.03 mOhms	YI11-QT5 yi11-tq5-ps +/-150A @ +/-15V wfg: cfe-12a-ps2.a1 S = RI8-A-J4 I = RI8-A-J5 V = RI8-A-J6 D = RI8-A-J7 IGND = RI8-H-J9 Node Card Port: 9-8 R = 11.53 mOhms	YO12-QT5 yo12-tq5-ps +/-150A @ +/-15V wfg: cfe-12a-ps2.c0 S = RI8-B-J0 I = RI8-B-J1 V = RI8-B-J2 D = RI8-B-J3 IGND = RI8-H-J6 Node Card Port: 9-11 R = 11.84 mOhms
17.5° 10U	Quench Protection QP03 b011-tq6-qp QPAIC: B1 QPAIC Port: J2A	Quench Protection QP03 bi12-tq6-qp QPAIC: B1 QPAIC Port: J3B	Quench Protection QP03 yi11-tq6-qp QPAIC: B1 QPAIC Port: J6A	Quench Protection QP03 yo12-tq6-qp QPAIC: B1 QPAIC Port: J7B
	B011-QT6 b011-tq6-ps +/-150A @ +/-15V wfg: cfe-12a-ps1.b0 S = RI9-A-J8 I = RI9-A-J9 V = RI9-A-J10 D = RI9-A-J11 IGND = RI9-H-J0 Node Card Port: 9-3 R = 13.71 mOhms	BI12-QT6 bi12-tq6-ps +/-150A @ +/-15V wfg: cfe-12a-ps1.c1 S = RI9-B-J4 I = RI9-B-J5 V = RI9-B-J6 D = RI9-B-J7 IGND = RI9-G-J13 Node Card Port: 9-6 R = 14.03 mOhms	YI11-QT6 yi11-tq6-ps +/-150A @ +/-15V wfg: cfe-12a-ps2.b0 S = RI8-A-J8 I = RI8-A-J9 V = RI8-A-J10 D = RI8-A-J11 IGND = RI8-H-J10 Node Card Port: 9-9 R = 11.53 mOhms	YO12-QT6 yo12-tq6-ps +/-150A @ +/-15V wfg: cfe-12a-ps2.c1 S = RI8-B-J4 I = RI8-B-J5 V = RI8-B-J6 D = RI8-B-J7 IGND = RI8-H-J7 Node Card Port: 9-12 R = 11.84 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	10/3/03
DESIGN APPROVAL	F. Clarke	12/10/03
CHECKED BY	[illegible]	12/12/03
ENGINEER APPROVAL	D. Bruno	12/12/03
SUPERVISOR APPROVAL	J. Sandberg	12/15/03

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

TITLE: RHIC 1012A POWER SUPPLIES

SIZE: C | DRAWING NUMBER: 24060038 | REV. A

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

DWG NO 24060038 | SHT 1 OF 5 | REV A

AUTOCAD 2000