# 1012A YELLOW FOCUSSING QUAD POWER SUPPLIES

| | RI2AYQF1 | RI2AYQF2 | RI2AYQF3 | RI2ABQF4 | RI2ABQF5 |
|---|---|---|---|---|---|
| 77.0° 44U | | Node Card<br>Address: 12<br>PS=8, QPAIC=1, DxHPSIC=2, SXT=1 | 3u Blank Panel | | Quench Protection<br>QP09<br>yl2-q7-qp<br>QPAIC: A2<br>QPAIC Port: J8B |
| 70.0° 40U | | 3u Blank Panel | DX Heater P.S. Interface Chassis<br>Node Card Ports: 12-9, 12-10, 11-9, 11-10<br>1u Spacer | | (NOT TO SCALE) |
| | 8u Blank Panel | Quench Protection<br>QP03<br>yill-qd2-qp<br>QPAIC: A2<br>QPAIC Port: J6A | Quench Protection<br>QP03<br>yol2-qf2-qp<br>QPAIC: A2<br>QPAIC Port: J7A | | |
| | Quench Protection<br>QP05<br>yill-qf1-qp<br>QPAIC: A2<br>QPAIC Port: J5A | YIII-PS2<br>yill-qd2-ps<br>+/-150A @ +/-15V<br>In 1: yill.qd2.i-YQIF<br>In 1 wfg: cfe-12a-ps3.i0<br>In 2: yill.qf3.i-YQIF<br>In 2 wfg: cfe-12a-ps3.i1<br>S = RI8-E-J8<br>I = RI8-E-J9<br>V = RI8-E-J10<br>D = RI8-E-J11<br>Node Card Port: 12-3<br>R = 12.62 mOhms | YO12-PS2<br>yol2-qf2-ps<br>+/-150A @ +/-15V<br>In 1: yol2.qf2.i-YQIF<br>In 1 wfg: cfe-12a-ps3.j0<br>In 2: yol2.qd3.i-YQIF<br>In 2 wfg: cfe-12a-ps3.j1<br>S = RI8-F-J0<br>I = RI8-F-J1<br>V = RI8-F-J2<br>D = RI8-F-J3<br>Node Card Port: 12-5<br>R = 12.94 mOhms | | YII/12-PS7<br>yl2-q7-ps<br>600A @ 20V<br>In: yl2.q7.i-YQIF<br>wfg: cfe-12a-ps2.f0<br>S = RI8-C-J8<br>I = RI8-C-J9<br>V = RI8-C-J10<br>D = RI8-C-J11<br>Node Card Port: 12-8<br>R = 2.42 mOhms<br>(NOT TO SCALE) |
| | 1u Spacer | | | | |
| 52.5° 30U | YIII-PS1<br>yill-qf1-ps<br>200A @ 15V<br>In 1: yill.qf1.i-YQIF<br>In 1 wfg: cfe-12a-ps3.h0<br>In 2: yill.qd2.i-YQIF<br>In 2 wfg: cfe-12a-ps3.i0<br>S = RI8-E-J0<br>I = RI8-E-J1<br>V = RI8-E-J2<br>D = RI8-E-J3<br>Node Card Port: 12-1<br>R = 6.57 mOhms | Quench Protection<br>QP07<br>yill-qf3-qp<br>QPAIC: A2<br>QPAIC Port: J6B | Quench Protection<br>QP07<br>yol2-qd3-qp<br>QPAIC: A2<br>QPAIC Port: J7B | 16u Blank Panel<br>Quench Protection<br>QP08<br>yl2-q6-qp<br>QPAIC: A2<br>QPAIC Port: J8A | |
| 35.0° 20U | 1u Spacer | | | 1u Spacer | |
| | Quench Protection<br>QP05<br>yol2-qd1-qp<br>QPAIC: A2<br>QPAIC Port: J5B | | | YII/12-PS(45)6<br>yl2-q6-ps<br>450A @ 15V<br>In 1: yl2.q6.i-YQIF<br>In 1 wfg: cfe-12a-ps2.g1<br>In 2: yl2.q7.i-YQIF<br>In 2 wfg: cfe-12a-ps2.f0<br>S = RI8-D-J4<br>I = RI8-D-J5<br>V = RI8-D-J6<br>D = RI8-D-J7<br>Node Card Port: 12-7<br>R = 3.30 mOhms | |
| | 1u Spacer | 1u Spacer | 1u Spacer | | |
| 17.5° 10U | YO12-PS1<br>yol2-qd1-ps<br>200A @ 15V<br>In 1: yol2.qd1.i-YQIF<br>In 1 wfg: cfe-12a-ps3.h1<br>In 2: yol2.qf2.i-YQIF<br>In 2 wfg: cfe-12a-ps3.j0<br>S = RI8-E-J4<br>I = RI8-E-J5<br>V = RI8-E-J6<br>D = RI8-E-J7<br>Node Card Port: 12-2<br>R = 6.57 mOhms | YIII-PS3<br>YIII-qf3-ps<br>300A @ 15V<br>In 1: yill.qf3.i-YQIF<br>In 1 wfg: cfe-12a-ps3.i1<br>In 2: yl2.q6.i-YQIF<br>In 2 wfg: cfe-12a-ps2.g1<br>S = RI8-E-J12<br>I = RI8-E-J13<br>V = RI8-E-J14<br>D = RI8-E-J15<br>Node Card Port: 12-4<br>R = 4.50 mOhms | YO12-PS3<br>yol2-qd3-ps<br>300A @ 15V<br>In 1: yol2.qd3.i-YQIF<br>In 1 wfg: cfe-12a-ps3.j1<br>In 2: yl2.q6.i-YQIF<br>In 2 wfg: cfe-12a-ps2.g1<br>S = RI8-F-J4<br>I = RI8-F-J5<br>V = RI8-F-J6<br>D = RI8-F-J7<br>Node Card Port: 12-6<br>R = 4.61 mOhms | | |
| | 1u Spacer | 1u Spacer | 1u Spacer | 1u Spacer | |

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

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

Q.A. CATEGORY: A–3 | SCALE: 1/1 | WEIGHT: NA | SHEET 4 OF 5

DWG NO 24060038 | SHT 4 OF 5 | REV A