REV.	ZONE	ECN NO.	DATE	BY	CKR	APP.

BXB.914_HF_1

32 X 4; 26 signals listed
UNKNOWN

BXI.RFE6.LLRF_DR	1	17	BXI.RFB3.GAPV_RF2
BXI.RFE6.GAP_V_RF1	2	21	BXI.PUE_H170.SUM
BXI.RFE6.GAP_V_RF2	3	22	BXI.PUE_H170.DIFF
BXI.RFE6.HF_SPARE	4	23	BXI.PUE_V160.SUM
BXI.RFE6.LLRF_DR	5	24	BXI.PUE_V160.DIFF
BXI.RFA6.GAP_V_RF1	6	25	BXI.PUE_H143.SUM
BXI.RFA6.GAP_V_RF2	7	26	BXI.PUE_H143.DIFF
BXI.BRF_VECTOR_SUM	8	27	BXI.PUE_V129.SUM
BXI.RFA3.LLRF_DRIVE	9	28	BXI.PUE_V129.DIFF
BXI.RFA3.GAPV_RF1	10	29	BXI.PUE_V046.SUM
BXI.RFA3.GAPV_RF2	11	30	BXI.PUE_V046.DIFF
BXI.RFB3.LLRF_DRIVE	15	31	BXI.PUE_V007.SUM
BXI.RFB3.GAPV_RF1	16	32	BXI.PUE_V007.DIFF

BXO.914_HF_1.A
BXO.914_HF_1.B
BXO.914_HF_1.C
BXO.914_HF_1.D

BXB.914_PS_1

16 X 4; 16 signals listed
UNKNOWN

BXI.DVC.A1_I_RDBK	1
BXI.DHC.A2_I_RDBK	2
BXI.DVC.A3_I_RDBK	3
BXI.DHC.A4_I_RDBK	4
BXI.DVC.A5_I_RDBK	5
BXI.DHC.A6_I_RDBK	6
BXI.DVC.A7_I_RDBK	7
BXI.DHC.A8_I_RDBK	8
BXI.DVC.E1_I_RDBK	9
BXI.DHC.E2_I_RDBK	10
BXI.DVC.E3_I_RDBK	11
BXI.DHC.E4_I_RDBK	12
BXI.DVC.E5_I_RDBK	13
BXI.DHC.E6_I_RDBK	14
BXI.DVC.E7_I_RDBK	15
BXI.DHC.E8_I_RDBK	16

BXO.914_PS_1.A
BXO.914_PS_1.B
BXO.914_PS_1.C
BXO.914_PS_1.D

BXB.914_RF_1

16 X 4; 16 signals listed
UNKNOWN

BXI.RFE6.CATH_I	1
BXI.BEAM_PHASE_ERR	2
BXI.914_RF_1_SP03	3
BXI.RFE6.TUNE_I	4
BXI.RFE6.FWD_PA_DR	5
BXI.RFE6.DET_PA_OUT	6
BXI.RFE6.GAP_V_DC	7
BXI.RFE6.RADIAL_AVG	8
BXI.RFE6.RAD_A6	9
BXI.RFE6.CATH_I	10
BXI.FREQ_ERROR	11
BXI.914_RF_1_SP12	12
BXI.RFE6.TUNE_I	13
BXI.RFE6.FWD_PA_DR	14
BXI.RFE6.DET_PA_OUT	15
BXI.RFE6.GAP_V_DC	16

BXO.914_RF_1.A
BXO.914_RF_1.B
BXO.914_RF_1.C
BXO.914_RF_1.D

BXB.914_HF_2

32 X 4; 32 signals listed
UNKNOWN

BXI.914_HF_2_SP01	1	17	BXI.914_HF_2.17
BXI.914_HF_2.02	2	18	BXI.914_HF_2.18
BXI.914_HF_2.03	3	19	BXI.914_HF_2.19
BXI.914_HF_2.04	4	20	BXI.914_HF_2.20
BXI.914_HF_2.05	5	21	BXI.914_HF_2.21
BXI.914_HF_2.06	6	22	BXI.914_HF_2.22
BXI.914_HF_2.07	7	23	BXI.914_HF_2.23
BXI.914_HF_2.08	8	24	BXI.914_HF_2.24
BXI.914_HF_2.09	9	25	BXI.C8_PUE_SUM
BXI.914_HF_2.10	10	26	BXI.C8_PUE_DIFF
BXI.914_HF_2.11	11	27	BXI.914_HF_2.27
BXI.914_HF_2.12	12	28	BXI.914_HF_2.28
BXI.914_HF_2.13	13	29	BXI.914_HF_2.29
BXI.914_HF_2.14	14	30	BXI.914_HF_2.30
BXI.914_HF_2.15	15	31	BXI.914_HF_2.31
BXI.914_HF_2.16	16	32	BXI.914_HF_2.32

BXO.914_HF_2.A
BXO.914_HF_2.B
BXO.914_HF_2.C
BXO.914_HF_2.D

BXB.914_PS_2

16 X 4; 12 signals listed
UNKNOWN

BXI.DVC.F1_I_RDBK	1
BXI.DHC.F2_I_RDBK	2
BXI.DVC.F3_I_RDBK	3
BXI.DHC.F4_I_RDBK	4
BXI.DVC.F5_I_RDBK	5
BXI.DHC.F6_I_RDBK	6
BXI.DVC.F7_I_RDBK	7
BXI.DHC.F8_I_RDBK	8
BXI.SSV_STR91_I	9
BXI.SSV_STR92_I	10
BXI.OCTUPOL_STR1_I	11
BXI.914_PS_2_SP12	12

BXO.914_PS_2.A
BXO.914_PS_2.B
BXO.914_PS_2.C
BXO.914_PS_2.D

BXB.914_RF_2

16 X 4; 15 signals listed
UNKNOWN

BXI.RFE6.RAD_A2	1
BXI.BEAM.RAD_STEER	2
BXI.RFA3.FPA.DR1	3
BXI.RFA3.FPA.DR2	4
BXI.RFA3.PA_O/P.1	5
BXI.RFA3PA_O/P.2	6
BXI.RFA3.I_CATH.1	7
BXI.RFA3.I_CATH.2	8
BXI.RFA3_TUNE	9
BXI.RFA3.V_GAP_DC	10
BXI.RFA3.PHASE_DET	11
BXI.SYNCHRO_ERROR	12
	13
BXI.RFB3.FPA.DR1	14
BXI.RFB3.FPA.DR2	15
BXI.RFB3.PA_O/P.1	16

BXO.914_RF_1.A
BXO.914_RF_1.B
BXO.914_RF_1.C
BXO.914_RF_1.D

BXB.914_PS_3

16 X 4; 12 signals listed
UNKNOWN

BXI.TDHF2_I_RDBK	5
BXI.TDHF4_I_RDBK	6
BXI.TDHF7_I_RDBK	7
BXI.TDHA1_I_RDBK	8
BXI.SPTMF6_I_RDBK	9
BXI.F3_CAP_BANK_V	10
BXI.TDHF2_V_RDBK	11
BXI.TDHF4_V_RDBK	12
BXI.TDHF7_V_RDBK	13
BXI.TDHA1_V_RDBK	14
BXI.SPTMF6_V_RDBK	15
BXI.914_PS_3.SP16	16

BXO.914_PS_3.A
BXO.914_PS_3.B
BXO.914_PS_3.C
BXO.914_PS_3.D

BXB.914_RF_3

32 X 4; 7 signals listed
UNKNOWN

BXI.RFB3.PA_O/P.2	1
BXI.RFB3.I_CATH.1	2
BXI.RFB3.I_CATH.2	3
BXI.RFB3.I_TUNE	4
BXI.RFB3.V_GAP_DC	5
BXI.RFB3.PHASE_DET	6
BXI.DET_RF_VEC_SUM	7

BXO.914_RF_1.A
BXO.914_RF_1.B
BXO.914_RF_1.C
BXO.914_RF_1.D

CONTROLS- 11/5/02 9:58 AM 914mux_signals.dwg

-3	-2	-1	REF DESIGNATOR	ITEM NO.	DESCRIPTION	MAT'L DWG NO.,DWG NO.
QTY REQD						

INTERPRET IN GENERAL ACCORDANCE WITH ASME Y14.24M-1989
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
DECIMAL TOLERANCES .X ± .XX ± .XXX ± ANGULAR TOLERANCE ±
FINISH NA
BREAK SHARP EDGES MAX. XX MIN. XX
OUTSTANDING ECN

Q.A. CATEGORY		DATE
DRAWN BY	Warren Jappe	2/14/01
CHECKED BY		
DESIGN APPROVAL		
ENGINEER APPROVAL		
SUPVR. APPROVAL		

NEXT ASSEMBLY

BROOKHAVEN NATIONAL LABORATORY
UPTON, N.Y. 11973
DIGITAL CENTRAL MUX SYSTEM
914 FIELD MUX
BLDG 914, RACK

SIZE | DRAWING NUMBER | REV.
MATERIAL: | SCALE: | WEIGHT: | SHEET 2 of 5

1 *AUTOCAD