

0 1 2 3 4 5 6 7 8 9

SHEET INDEX

CONTENTS	SHEET NO.	SHEET ISSUE NO.	
SHEET INDEX SUPPORTING INFORMATION OPTION INDEX	A1	3	
DESIGNATION MNEMONICS INDEX	A2	2	
	A3	2	
LEAD INDEX	A4	2	
	A5	2	
	A6	2	
	A7	2	
	A8	2	
	A9	2	
	A10	2	
	A11	2	
	A12	2	
	A13	2	
	A14	2	
	A15	2	
	A16	2	
	A17	2	
A18	2		
A19	2		
A20	2		
A21	2		
FS 1 IOP POWER	B1	2	
	B2	2	
FS 2 DFC	B3	3	
	B4	3	
FS 3 DFC POWER	B5	1	
FS 4 DUAL SERIAL CHANNEL INTERFACE, IOP CONTROLLER	B6	1	
FS 5 GROWTH IOP	POSITION PC00	B7	1
	POSITION PC01	B8	1
	POSITION PC02	B9	1
	POSITION PC03	B10	1
	POSITION PC10	B11	1
	POSITION PC11	B12	1
	POSITION PC12	B13	1
FS 6 GROWTH IOP	POSITION PC20	B15	1
	POSITION PC21	B16	1
	POSITION PC22	B17	1
	POSITION PC23	B18	1
	POSITION PC30	B19	1
	POSITION PC31	B20	1
	POSITION PC32	B21	1
FS 7	BUS "X" TERMINAL FIELDS	B23	1
	BUS "Y" TERMINAL FIELDS	B24	1

CONTENTS	SHEET NO.	SHEET ISSUE NO.
APP FIGS 1, 2, 3, & 4	C1	3
CIRCUIT NOTES EQUIPMENT NOTES INFORMATION NOTES	D1	3
	D2	3
	D3	3
INFORMATION NOTES (CONT)	D4	3
CAD 002	G1	1
CAD 003	G2	1
CADS 004 & 005	G3	1
CADS 006, 007, 008, 009, & 010	G4	1
CADS 011, 012, 013, & 014	G5	1
CADS 015, 016, 017, & 018	G6	1
CADS 019, 020, 021, & 022	G7	1
CADS 023, 024, 025, & 026	G8	1
CADS 027, 028, 029, & 030	G9	1
CADS 031, 032, 033, & 034	G10	1
CADS 035, 036, 037, & 038	G11	1
CADS 039, 040, 041, & 042	G12	1

OPTION INDEX

APP OR WRG	RATED ON ISSUE	REF NOTES	LOCATION
Z	1		APP FIG. 1
Y	2		APP FIG. 1
X	1		APP FIG. 2
W	2		APP FIG. 2
V	3		APP FIG. 2
U	3		APP FIG. 2

DWG ISS	CD ISS	DATE ISSD	DRN	APP
1	1	5-16-93		
2B	2B	11-9-93		
3B	3B	10-3-95		

SUPPORTING INFORMATION

SYSTEM USED ON	DESIGN CONTROL	CATEGORY	NO.
3B21D	IH	EQUIPMENT DRAWING	J3T060AB-1

SHEET INDEX NOTES

- ONLY THE LATEST ISSUE, OR ISSUES IF CONCURRENT, ARE SHOWN IN THE INDEX.
- FOR REISSUES, A CHANGED OR NEW SHEET IS ASSIGNED THE SAME ISSUE NUMBER AS SHEET 1.
- THE ISSUE NUMBER OF SHEET 1 IS RECOGNIZED AS THE ISSUE NUMBER OF THE WHOLE DRAWING.

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RN99

COMMON SYSTEMS  
3B21D COMPUTER  
GROWTH UNIT  
CIRCUIT

DWG SIZE: C2  
ISSUE: 3B

AT&T SD-3T012-01 SHEET A1 OF B2

# DESIGNATION MNEMONICS INDEX

MNEMONIC	DEFINITION	MNEMONIC	DEFINITION	MNEMONIC	DEFINITION	MNEMONIC	DEFINITION
02_SC24N	TERMINAL FIELD TO PC02 PIN 021	03_SD25N	TERMINAL FIELD TO PC03 PIN 020	11_SC31N	TERMINAL FIELD TO PC11 PIN 420	BSSEL110	BOUNDARY SCAN SELECT TO PC23
02_SC24P	TERMINAL FIELD TO PC02 PIN 121	03_SD25P	TERMINAL FIELD TO PC03 PIN 120	11_SC31P	TERMINAL FIELD TO PC11 PIN 520	BSSEL120	BOUNDARY SCAN SELECT TO PC30
02_SC25N	TERMINAL FIELD TO PC02 PIN 022	03_SD26N	TERMINAL FIELD TO PC03 PIN 023	11_SC44N	TERMINAL FIELD TO PC11 PIN 222	BSSEL130	BOUNDARY SCAN SELECT TO PC31
02_SC25P	TERMINAL FIELD TO PC02 PIN 122	03_SD26P	TERMINAL FIELD TO PC03 PIN 123	11_SC44P	TERMINAL FIELD TO PC11 PIN 322	BSSEL140	BOUNDARY SCAN SELECT TO PC32
02_SC26N	TERMINAL FIELD TO PC02 PIN 220	03_SD27N	TERMINAL FIELD TO PC03 PIN 219	11_SC45N	TERMINAL FIELD TO PC11 PIN 223	BSSEL150	BOUNDARY SCAN SELECT TO PC33
02_SC26P	TERMINAL FIELD TO PC02 PIN 320	03_SD27P	TERMINAL FIELD TO PC03 PIN 319	11_SC45P	TERMINAL FIELD TO PC11 PIN 323	BSSEL180	BOUNDARY SCAN SELECT TO DFCA
02_SC27N	TERMINAL FIELD TO PC02 PIN 221	03_SD28N	TERMINAL FIELD TO PC03 PIN 412	11_SC46N	TERMINAL FIELD TO PC11 PIN 421	BSSEL190	BOUNDARY SCAN SELECT TO DFCA
02_SC27P	TERMINAL FIELD TO PC02 PIN 321	03_SD28P	TERMINAL FIELD TO PC03 PIN 512	11_SC46P	TERMINAL FIELD TO PC11 PIN 521	BSSEL200	BOUNDARY SCAN SELECT TO IOP
02_SC28N	TERMINAL FIELD TO PC02 PIN 415	03_SD29N	TERMINAL FIELD TO PC03 PIN 413	11_SC47N	TERMINAL FIELD TO PC11 PIN 422	BSYXN,BSYXP	SCSI X: BUSY
02_SC28P	TERMINAL FIELD TO PC02 PIN 515	03_SD29P	TERMINAL FIELD TO PC03 PIN 513	11_SC47P	TERMINAL FIELD TO PC11 PIN 522	BSYXN,BSYYP	SCSI Y: BUSY
02_SC29N	TERMINAL FIELD TO PC02 PIN 416	03_SD30N	TERMINAL FIELD TO PC03 PIN 417	11_SD24N	TERMINAL FIELD TO PC11 PIN 019	BUSENA0	DFC: HASR BIT 18: ENABLE SCSI A
02_SC29P	TERMINAL FIELD TO PC02 PIN 516	03_SD30P	TERMINAL FIELD TO PC03 PIN 517	11_SD24P	TERMINAL FIELD TO PC11 PIN 119	BUSENB0	DFC: HASR BIT 22: ENABLE SCSI B
02_SC30N	TERMINAL FIELD TO PC02 PIN 419	03_SD31N	TERMINAL FIELD TO PC03 PIN 418	11_SD25N	TERMINAL FIELD TO PC11 PIN 020	CDXN,CDXP	SCSI X: CONTROL/DATA
02_SC30P	TERMINAL FIELD TO PC02 PIN 519	03_SD31P	TERMINAL FIELD TO PC03 PIN 518	11_SD25P	TERMINAL FIELD TO PC11 PIN 120	CDYN,CDYP	SCSI Y: CONTROL/DATA
02_SC31N	TERMINAL FIELD TO PC02 PIN 420	10_SC24N	TERMINAL FIELD TO PC10 PIN 021	11_SD26N	TERMINAL FIELD TO PC11 PIN 023	CFLG1	DFC: BIC COMMAND FLAG
02_SC31P	TERMINAL FIELD TO PC02 PIN 520	10_SC24P	TERMINAL FIELD TO PC10 PIN 121	11_SD26P	TERMINAL FIELD TO PC11 PIN 123	CINTF00	COMMAND INTERRUPT TO PC COMMUNITY 0
02_SC44N	TERMINAL FIELD TO PC02 PIN 222	10_SC25N	TERMINAL FIELD TO PC10 PIN 022	11_SD27N	TERMINAL FIELD TO PC11 PIN 219	CINTF10	COMMAND INTERRUPT TO PC COMMUNITY 1
02_SC44P	TERMINAL FIELD TO PC02 PIN 322	10_SC25P	TERMINAL FIELD TO PC10 PIN 122	11_SD27P	TERMINAL FIELD TO PC11 PIN 319	CINTF20	COMMAND INTERRUPT TO PC COMMUNITY 2
02_SC45N	TERMINAL FIELD TO PC02 PIN 223	10_SC26N	TERMINAL FIELD TO PC10 PIN 220	11_SD28N	TERMINAL FIELD TO PC11 PIN 412	CINTF30	COMMAND INTERRUPT TO PC COMMUNITY 3
02_SC45P	TERMINAL FIELD TO PC02 PIN 323	10_SC26P	TERMINAL FIELD TO PC10 PIN 320	11_SD28P	TERMINAL FIELD TO PC11 PIN 512	CLK00N,P	IOP: DSCH 0, TRANSMIT CLOCK
02_SC46N	TERMINAL FIELD TO PC02 PIN 421	10_SC27N	TERMINAL FIELD TO PC10 PIN 221	11_SD29N	TERMINAL FIELD TO PC11 PIN 413	CLK01N,P	IOP: DSCH 1, TRANSMIT CLOCK
02_SC46P	TERMINAL FIELD TO PC02 PIN 521	10_SC27P	TERMINAL FIELD TO PC10 PIN 321	11_SD29P	TERMINAL FIELD TO PC11 PIN 513	CLK0N,P	DFC DSCH 0: TRANSMIT CLOCK OUT
02_SC47N	TERMINAL FIELD TO PC02 PIN 422	10_SC28N	TERMINAL FIELD TO PC10 PIN 415	11_SD30N	TERMINAL FIELD TO PC11 PIN 417	CLK1N,P	DFC DSCH 1: TRANSMIT CLOCK OUT
02_SC47P	TERMINAL FIELD TO PC02 PIN 522	10_SC28P	TERMINAL FIELD TO PC10 PIN 515	11_SD30P	TERMINAL FIELD TO PC11 PIN 517	CLR00	RESET PC COMMUNITY 0
02_SD24N	TERMINAL FIELD TO PC02 PIN 019	10_SC29N	TERMINAL FIELD TO PC10 PIN 416	11_SD31N	TERMINAL FIELD TO PC11 PIN 418	CLR10	RESET PC COMMUNITY 1
02_SD24P	TERMINAL FIELD TO PC02 PIN 119	10_SC29P	TERMINAL FIELD TO PC10 PIN 516	11_SD31N	TERMINAL FIELD TO PC11 PIN 418	CLR20	RESET PC COMMUNITY 2
02_SD25N	TERMINAL FIELD TO PC02 PIN 020	10_SC30N	TERMINAL FIELD TO PC10 PIN 419	3BCMP0	DFC: R/W COMPLETE INTERRUPT	CLR30	RESET PC COMMUNITY 3
02_SD25P	TERMINAL FIELD TO PC02 PIN 120	10_SC30P	TERMINAL FIELD TO PC10 PIN 519	48R19	-48 VOLT RETURN TO TN1820	CPEN	DFC: CURRENT PGM RESISTOR
02_SD26N	TERMINAL FIELD TO PC02 PIN 023	10_SC31N	TERMINAL FIELD TO PC10 PIN 420	48R20	-48 VOLT RETURN TO POWER CONVERTER F	CPEN	DFC: CURRENT PGM RESISTOR
02_SD26P	TERMINAL FIELD TO PC02 PIN 123	10_SC31P	TERMINAL FIELD TO PC10 PIN 520	48R21	-48 VOLT RETURN TO POWER CONVERTER G	CPFN,P	OVERCURRENT PROGRAMMING INPUTS TO CONVERTER F
02_SD27N	TERMINAL FIELD TO PC02 PIN 219	10_SC44N	TERMINAL FIELD TO PC10 PIN 222	48R22	-48 VOLT RETURN TO PC COMMUNITY 00-01	CPGN,P	OVERCURRENT PROGRAMMING INPUTS TO CONVERTER G
02_SD27P	TERMINAL FIELD TO PC02 PIN 319	10_SC44P	TERMINAL FIELD TO PC10 PIN 322	48R23	-48 VOLT RETURN TO PC COMMUNITY 02-03	CPHN,P	OVERCURRENT PROGRAMMING INPUTS TO CONVERTER H
02_SD28N	TERMINAL FIELD TO PC02 PIN 412	10_SC45N	TERMINAL FIELD TO PC10 PIN 223	48R24	-48 VOLT RETURN TO PC COMMUNITY 10-11	CSA[00-03]0	CONTROL SIGNAL ACKNOWLEDGES TO PC COMMUNITY 0
02_SD28P	TERMINAL FIELD TO PC02 PIN 512	10_SC45P	TERMINAL FIELD TO PC10 PIN 323	48R25	-48 VOLT RETURN TO PC COMMUNITY 12-13	CSA[10-13]0	CONTROL SIGNAL ACKNOWLEDGES TO PC COMMUNITY 1
02_SD29N	TERMINAL FIELD TO PC02 PIN 413	10_SC46N	TERMINAL FIELD TO PC10 PIN 421	48R26	-48 VOLT RETURN TO PC COMMUNITY 20-21	CSA[20-23]0	CONTROL SIGNAL ACKNOWLEDGES TO PC COMMUNITY 2
02_SD29P	TERMINAL FIELD TO PC02 PIN 513	10_SC46P	TERMINAL FIELD TO PC10 PIN 521	48R27	-48 VOLT RETURN TO PC COMMUNITY 22-23	CSA[30-33]0	CONTROL SIGNAL ACKNOWLEDGES TO PC COMMUNITY 3
02_SD30N	TERMINAL FIELD TO PC02 PIN 417	10_SC47N	TERMINAL FIELD TO PC10 PIN 422	48R28	-48 VOLT RETURN TO PC COMMUNITY 30-31	DAH00N,P	IOP: DSCH 0, DATA HI BYTES
02_SD30P	TERMINAL FIELD TO PC02 PIN 517	10_SC47P	TERMINAL FIELD TO PC10 PIN 522	48R28	-48 VOLT RETURN TO PC COMMUNITY 30-31	DAH01N,P	IOP: DSCH 1, DATA HI BYTES
02_SD31N	TERMINAL FIELD TO PC02 PIN 418	10_SD24N	TERMINAL FIELD TO PC10 PIN 019	48R29	-48 VOLT RETURN TO PC COMMUNITY 32-33	DAH0N,P	DFC: DSCH 0: DATA HIGH
02_SD31P	TERMINAL FIELD TO PC02 PIN 518	10_SD24P	TERMINAL FIELD TO PC10 PIN 119	48R30	-48 VOLT RETURN TO UN373 POSITION	DAH1N,P	DFC: DSCH 1: DATA HIGH
03_SC24N	TERMINAL FIELD TO PC03 PIN 021	10_SD25N	TERMINAL FIELD TO PC10 PIN 020	48R31	-48 VOLT RETURN TO POWER CONVERTER H	DAL00N,P	IOP: DSCH 0, DATA LO BYTES
03_SC24P	TERMINAL FIELD TO PC03 PIN 121	10_SD25P	TERMINAL FIELD TO PC10 PIN 120	ACKXN,ACKXP	SCSI X: ACK	DAL01N,P	IOP: DSCH 1, DATA LO BYTES
03_SC25N	TERMINAL FIELD TO PC03 PIN 022	10_SD26N	TERMINAL FIELD TO PC10 PIN 023	ACKYN,ACKYP	SCSI Y: ACK	DAL0N,P	DFC: DSCH 0: DATA LOW
03_SC25P	TERMINAL FIELD TO PC03 PIN 122	10_SD26P	TERMINAL FIELD TO PC10 PIN 123	ATNXN,ATNXP	SCSI X: ATN	DAL1N,P	DFC: DSCH 1: DATA LOW
03_SC26N	TERMINAL FIELD TO PC03 PIN 220	10_SD27N	TERMINAL FIELD TO PC10 PIN 219	ATNYN,ATNYP	SCSI Y: ATTENTION	DALMMJ	DFC: MAJOR ALARM OUTPUT
03_SC26P	TERMINAL FIELD TO PC03 PIN 320	10_SD27P	TERMINAL FIELD TO PC10 PIN 319	AUXTCK0	BOUNDARY SCAN TCK	DALMMJR	DFC: MAJOR ALARM RETURN
03_SC27N	TERMINAL FIELD TO PC03 PIN 221	10_SD27P	TERMINAL FIELD TO PC10 PIN 319	AUXTCK1	BOUNDARY SCAN TCK	DALMPA	DFC: POWER ALARM OUTPUT
03_SC27P	TERMINAL FIELD TO PC03 PIN 321	10_SD28N	TERMINAL FIELD TO PC10 PIN 412	AUXTCK2	BOUNDARY SCAN TCK	DALMPAR	DFC: POWER ALARM RETURN
03_SC28N	TERMINAL FIELD TO PC03 PIN 415	10_SD28P	TERMINAL FIELD TO PC10 PIN 512	AUXTCK3	BOUNDARY SCAN TCK	DCALMO	DFCA: LOW VCC ALARM FROM CONVH
03_SC28P	TERMINAL FIELD TO PC03 PIN 515	10_SD29N	TERMINAL FIELD TO PC10 PIN 413	AUXTCK4	BOUNDARY SCAN TCK	DIFSENX	SCSI X: DIFFERENTIAL SENSE
03_SC29N	TERMINAL FIELD TO PC03 PIN 416	10_SD29P	TERMINAL FIELD TO PC10 PIN 513	AUXTDI	BOUNDARY SCAN TDI TO ALL POSITIONS	DIFSENY	SCSI Y: DIFFERENTIAL SENSE
03_SC29P	TERMINAL FIELD TO PC03 PIN 516	10_SD30N	TERMINAL FIELD TO PC10 PIN 417	AUXTDO	BOUNDARY SCAN TDO FROM ALL POSITIONS	DINTFA0	DFC: POWER INTERLOCK -CONVH EQUIPPED
03_SC30N	TERMINAL FIELD TO PC03 PIN 419	10_SD30P	TERMINAL FIELD TO PC10 PIN 517	AUXTMS	BOUNDARY SCAN TMS TO ALL POSITIONS	DINTFA10	DFC: POWER INTERLOCK -TN2116 EQUIPPED
03_SC30P	TERMINAL FIELD TO PC03 PIN 519	11_SC24N	TERMINAL FIELD TO PC11 PIN 021	BACERR0	DFC: HASR BIT 03: BIC ACCESS ERROR	DIP10	DFC: HASR BIT 08; DGN IN PROGRESS
03_SC31N	TERMINAL FIELD TO PC03 PIN 420	11_SC24P	TERMINAL FIELD TO PC11 PIN 121	BICERR0	DFC: BIC ERROR INTERRUPT	DMA0[00-15]1	IOMI ADDRESS BUS, PC COMMUNITY 0
03_SC31P	TERMINAL FIELD TO PC03 PIN 520	11_SC25N	TERMINAL FIELD TO PC11 PIN 022	BRDCS0	DFC: BOARD CHIP SELECT	DMA1[00-15]1	IOMI ADDRESS BUS, PC COMMUNITY 1
03_SC44N	TERMINAL FIELD TO PC03 PIN 222	11_SC25P	TERMINAL FIELD TO PC11 PIN 122	BRDRST0	DFC: HA CPU RESET ACKNOWLEDGE	DMA2[00-15]1	IOMI ADDRESS BUS, PC COMMUNITY 2
03_SC44P	TERMINAL FIELD TO PC03 PIN 322	11_SC26N	TERMINAL FIELD TO PC11 PIN 220	BSSEL000	BOUNDARY SCAN SELECT TO PC00	DMA3[00-15]1	IOMI ADDRESS BUS, PC COMMUNITY 3
03_SC45N	TERMINAL FIELD TO PC03 PIN 223	11_SC26P	TERMINAL FIELD TO PC11 PIN 320	BSSEL010	BOUNDARY SCAN SELECT TO PC01	DMAD081	IOMI DATA PARITY, PC COMMUNITY 0
03_SC45P	TERMINAL FIELD TO PC03 PIN 323	11_SC27N	TERMINAL FIELD TO PC11 PIN 221	BSSEL020	BOUNDARY SCAN SELECT TO PC02	DMAD0[0-7]1	IOMI DATA BUS, PC COMMUNITY 0
03_SC46N	TERMINAL FIELD TO PC03 PIN 421	11_SC27P	TERMINAL FIELD TO PC11 PIN 321	BSSEL030	BOUNDARY SCAN SELECT TO PC03	DMAD181	IOMI DATA PARITY, PC COMMUNITY 1
03_SC46P	TERMINAL FIELD TO PC03 PIN 521	11_SC28N	TERMINAL FIELD TO PC11 PIN 415	BSSEL040	BOUNDARY SCAN SELECT TO PC10	DMAD1[0-7]1	IOMI DATA BUS, PC COMMUNITY 1
03_SC47N	TERMINAL FIELD TO PC03 PIN 422	11_SC28P	TERMINAL FIELD TO PC11 PIN 515	BSSEL050	BOUNDARY SCAN SELECT TO PC11	DMAD281	IOMI DATA PARITY, PC COMMUNITY 2
03_SC47P	TERMINAL FIELD TO PC03 PIN 522	11_SC29N	TERMINAL FIELD TO PC11 PIN 416	BSSEL060	BOUNDARY SCAN SELECT TO PC12	DMAD2[0-7]1	IOMI DATA BUS, PC COMMUNITY 2
03_SD24N	TERMINAL FIELD TO PC03 PIN 019	11_SC29P	TERMINAL FIELD TO PC11 PIN 516	BSSEL070	BOUNDARY SCAN SELECT TO PC13	DMAD381	IOMI DATA PARITY, PC COMMUNITY 3
03_SD24P	TERMINAL FIELD TO PC03 PIN 119	11_SC30N	TERMINAL FIELD TO PC11 PIN 419	BSSEL080	BOUNDARY SCAN SELECT TO PC20	DMAD3[0-7]1	IOMI DATA BUS, PC COMMUNITY 3
		11_SC30P	TERMINAL FIELD TO PC11 PIN 519	BSSEL090	BOUNDARY SCAN SELECT TO PC21		
				BSSEL100	BOUNDARY SCAN SELECT TO PC22		

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GROWTH UNIT		DWG SIZE	ISSUE
		C2	2B
AT&T	SD-3T012-01		SHEET A2

# DESIGNATION MNEMONICS INDEX

MNEMONIC	DEFINITION	MNEMONIC	DEFINITION	MNEMONIC	DEFINITION
DMAOC00	DMA OPERATION COMPLETE TO PC COMMUNITY 0	MA[08-11]1	DFC: MICROBUS ADDRESS 08-11	SDX6N,SDX6P	SCSI X: DATA BIT 6
DMAOC10	DMA OPERATION COMPLETE TO PC COMMUNITY 1	MCLK341	DFC: CLOCK; 14 MHZ	SDX7N,SDX7P	SCSI X: DATA BIT 7
DMAOC20	DMA OPERATION COMPLETE TO PC COMMUNITY 2	MDS0	DFC: MICROBUS DATA STROBE	SDXEN,SDXEP	SCSI X: DATA PARITY
DMAOC30	DMA OPERATION COMPLETE TO PC COMMUNITY 3	MDTACK0	DFC: MICROBUS DATA XFER ACKNOWLEDGE	SDY0N,SDY0P	SCSI Y: DATA BIT 0
DMARD00	DMA READ TO PC COMMUNITY 0	MD[00-31]1	DFC: MICROBUS DATA 00-31	SDY1N,SDY1P	SCSI Y: DATA BIT 1
DMARD01	DMA READ TO PC COMMUNITY 1	MPB[0-3]1	DFC: PARITY BITS 0-3 FOR MICROBUS	SDY2N,SDY2P	SCSI Y: DATA BIT 2
DMARD02	DMA READ TO PC COMMUNITY 2	MRIW0	DFC: MICROBUS READ/WRITE CONTROL	SDY3N,SDY3P	SCSI Y: DATA BIT 3
DMARD03	DMA READ TO PC COMMUNITY 3	MSGYN,MSGYP	SCSI X: MESSAGE	SDY4N,SDY4P	SCSI Y: DATA BIT 4
DMARQ00	DMA REQUEST TO PC COMMUNITY 0	MSGYN,MSGYP	SCSI Y: MESSAGE	SDY5N,SDY5P	SCSI Y: DATA BIT 5
DMARQ01	DMA REQUEST TO PC COMMUNITY 1	N48V19	-48 VOLTS TO TN1820	SDY6N,SDY6P	SCSI Y: DATA BIT 6
DMARQ02	DMA REQUEST TO PC COMMUNITY 2	N48V20	-48 VOLTS TO POWER CONVERTER F	SDY7N,SDY7P	SCSI Y: DATA BIT 7
DMARQ03	DMA REQUEST TO PC COMMUNITY 3	N48V21	-48 VOLTS TO POWER CONVERTER G	SDYPN,SDYPP	SCSI Y: DATA PARITY
DMAWR00	DMA WRITE TO PC COMMUNITY 0	N48V22	-48 VOLTS TO PC COMMUNITY 00-01	SEL[00-03]0	SELECTS TO PC COMMUNITY 0
DMAWR01	DMA WRITE TO PC COMMUNITY 1	N48V23	-48 VOLTS TO PC COMMUNITY 02-03	SEL[10-13]0	SELECTS TO PC COMMUNITY 1
DMAWR02	DMA WRITE TO PC COMMUNITY 2	N48V24	-48 VOLTS TO PC COMMUNITY 10-11	SEL[20-23]0	SELECTS TO PC COMMUNITY 2
DMAWR03	DMA WRITE TO PC COMMUNITY 3	N48V25	-48 VOLTS TO PC COMMUNITY 12-13	SEL[30-33]0	SELECTS TO PC COMMUNITY 3
DOOSN,P	DFC: OOS SD POINT	N48V26	-48 VOLTS TO PC COMMUNITY 20-21	SELYN,SELYP	SCSI X: SELECT
DPASS0	DFC: HASR BIT 11; DGN OK	N48V27	-48 VOLTS TO PC COMMUNITY 22-23	SELYN,SELYP	SCSI Y: SELECT
DPWCLR0	DFC: POR FROM UN373	N48V28	-48 VOLTS TO PC COMMUNITY 30-31	SER[00-03]0	SERVICE REQUESTS TO PC COMMUNITY 0
DPWCLR0	DFC: POWER RESET	N48V29	-48 VOLTS TO PC COMMUNITY 32-33	SER[10-13]0	SERVICE REQUESTS TO PC COMMUNITY 1
DREQA1	DFC: BUS Y CONTROLLER DATA REQUEST	N48V30	-48 VOLTS TO UN373 POSITION	SER[20-23]0	SERVICE REQUESTS TO PC COMMUNITY 2
DREQB1	DFC: SCSI BUS X CONTROLLER DATA REQUEST	N48V31	-48 VOLTS TO POWER CONVERTER H	SER[30-33]0	SERVICE REQUESTS TO PC COMMUNITY 3
DRESPA1	DFC: SCSI BUS Y CONTROLLER RESPONSE	OCCONLN,P	DIFFERENTIAL BOUNDARY SCAN OUTPUT: ON LINE	SINTA1	DFC: SCSI BUS Y INTERRUPT
DRESPB1	DFC: SCSI BUS Y CONTROLLER RESPONSE	OOL0	EAI VOLTAGE ALARM FROM TN1820 TO KBN10	SINTB1	DFC: SCSI BUS X INTERRUPT
DRIQPN,P	DFC: REQUEST IN PROGRESS SD POINT	OOL10	KBN10 VOLTAGE ALARM - NOT USED, TIED HIGH	SISL00	SET PC ISOLATE TO PC COMMUNITY 0
DSCXN,P	DFC: SCX SCAN POINT	OOL20	KBN10 VOLTAGE ALARM - NOT USED, TIED HIGH	SISL10	SET PC ISOLATE TO PC COMMUNITY 1
DSCYN,P	DFC: SCY SCAN POINT	OOL30	KBN10 VOLTAGE ALARM - NOT USED, TIED HIGH	SISL20	SET PC ISOLATE TO PC COMMUNITY 2
EOT0	DFC: BIC END OF TRANSFER (TP)	OPTCKN,P	DIFFERENTIAL BOUNDARY SCAN INPUT: TCK	SISL30	SET PC ISOLATE TO PC COMMUNITY 3
ER[00-03]0	ERROR DETECTS IN PC COMMUNITY 0	OPTDIN,P	DIFFERENTIAL BOUNDARY SCAN INPUT: TDI	SMTYCP1	DFC: SANITY TIMER INTERRUPT
ER[10-13]0	ERROR DETECTS IN PC COMMUNITY 1	OPTDON,P	DIFFERENTIAL BOUNDARY SCAN OUTPUT: TDI	SMTYER0	DFC: HASR BIT 00; SANITY ERROR
ER[20-23]0	ERROR DETECTS IN PC COMMUNITY 2	OPTMSN,P	DIFFERENTIAL BOUNDARY SCAN INPUT: TMS	SPERR0	DFC: HASR BIT 02; SRAM PARITY ERROR
ER[30-33]0	ERROR DETECTS IN PC COMMUNITY 3	OTCKN,P	DIFFERENTIAL BOUNDARY SCAN OUTPUT: TCK	STAOP,N	DFC: RUNS CONVERTER H WHEN CLOSED
FCDI0	DFC: HASR BIT 10; DGN FAULT	OTDIN,P	DIFFERENTIAL BOUNDARY SCAN OUTPUT: TDI	SWPER0	DFC: HASR BIT 01; SRAM WRITE PROTECT ERROR
FFPCKH0	DFC: FIFO PARITY CHECK HIGH HALFWORD	OTDON,P	DIFFERENTIAL BOUNDARY SCAN INPUT: TDO	SWTIM10	DFC: SOFTWARE TIMER 1 INTERRUPT
FFPCKL0	DFC: FIFO PARITY CHECK LOW HALFWORD	OTMSN,P	DIFFERENTIAL BOUNDARY SCAN OUTPUT: TMS	SWTIM20	DFC: SOFTWARE TIMER 2 INTERRUPT
FIPOCS0	DFC: BIC FIFO CHIP SELECT	P5VF	CONVERTER F +5 VOLT OUTPUT	TRMEWRX	SCSI X: TERMINATION POWER
FIFOER0	DFC: FIFO OVER/UNDERFLOW ERROR	P5VG	CONVERTER G +5 VOLT OUTPUT	TRMEWRX	SCSI Y: TERMINATION POWER
FPWRFO	FORCE TN1820 OOL0 OUTPUT LOW FOR DIAGNOSTICS	P5VH	CONVERTER H +5 VOLT OUTPUT	XCK00N,P	IOP: DSCH 0, RECEIVE CLOCK IN
GROONLN,P	DIFFERENTIAL BOUNDARY SCAN INPUT: ON LINE	PR110	DFC: HASR BIT 12; DMAC CH 1 PRIORITY	XCK01N,P	IOP: DSCH 1, RECEIVE CLOCK IN
HARST0	DFC: HA RESET	PWRRST0	DFC: HASR BIT 31; POR INDICATOR	XCK0N,P	DFC: DSCH 0, RECEIVE CLOCK IN
HASR330	DFC: HASR BIT 30; HA RESET INDICATOR	RBPA0	DFC: SCSI BUS Y RECEIVE BAD PARITY	XCK1N,P	DFC: DSCH 1, RECEIVE CLOCK IN
HDP1	DFC: PARITY ON HA DMAC BUS	RBPB0	DFC: SCSI BUS X RECEIVE BAD PARITY		
HD[0-7]1	DFC: HA DMAC PERIPHERAL BUS	REMP1	DFC: HASR BIT 15; ADDR OVERLAP INACTIVE		
HINA,B1	DFC: SPC A - HA DMA BUS DIRECTION	REQ0N,P	DFC: DSCH 0: REQUEST		
ICBLM0	CONVD LOW VOLTAGE ALARM	REQ1N,P	DFC: DSCH 0: REQUEST		
ICSTN,P	IOPPS: RUNS CONVERTERS F AND G WHEN CLOSED	REQYN,REQYP	SCSI X: REQ		
IINTA0	IOPPS: INTERLOCK - CONVP EQUIPPED	REQYN,REQYP	SCSI Y: REQ		
IINTB0	IOPPS: INTERLOCK - CONVG EQUIPPED	RESX[1:4]	SCSI X: RESERVED IN SCSI-2 SPEC. USED AS GROUNDS.		
IINTC0	IOPPS: INTERLOCK - PC COMMUNITY 2 OR 3 EQUIPPED	RESY[1:4]	SCSI Y: RESERVED IN SCSI-2 SPEC. USED AS GROUNDS.		
INHOSCI0	DFC: INHIBIT UN373 OSCILLATOR (TP)	REZ00N,P	IOP: DSCH 0, REQUEST		
INT[00-03]0	INTERRUPT REQUESTS FROM PC COMMUNITY 0	REZ01N,P	IOP: DSCH 1, REQUEST		
INT[10-13]0	INTERRUPT REQUESTS FROM PC COMMUNITY 1	RISL800	RESET PC ISOLATE TO PC COMMUNITY 0		
INT[20-23]0	INTERRUPT REQUESTS FROM PC COMMUNITY 2	RISL810	RESET PC ISOLATE TO PC COMMUNITY 1		
INT[30-33]0	INTERRUPT REQUESTS FROM PC COMMUNITY 3	RISL820	RESET PC ISOLATE TO PC COMMUNITY 2		
IOALM0	LOW VOLTAGE ALARM TO IOPPS	RISL830	RESET PC ISOLATE TO PC COMMUNITY 3		
IOALMLT	IOPPS: MAJOR ALARM OUTPUT	RSTYN,RSTYP	SCSI X: RESET		
IOALMLTR	IOPPS: MAJOR ALARM RETURN	RSTYN,RSTYP	SCSI Y: RESET		
IOALMPA	IOPPS: POWER ALARM OUTPUT	SBAER00	DFC: SET BIC ACCESS ERROR		
IOALMPAR	IOPPS: POWER ALARM RETURN	SBPA0	DFC: SCSI BUS Y SEND BAD PARITY		
IOBN,IOBP	SCSI X: INPUT/OUTPUT	SBPB0	DFC: SCSI BUS X SEND BAD PARITY		
IOYN,IOYP	SCSI Y: INPUT/OUTPUT	SDX0N,SDX0P	SCSI X: DATA BIT 0		
IPWCLR0	POWER-ON-RESET FROM IOPPS	SDX1N,SDX1P	SCSI X: DATA BIT 1		
IRQIPN,P	IOPPS: REQUEST IN PROGRESS SD POINT	SDX2N,SDX2P	SCSI X: DATA BIT 2		
ISCXN,P	IOPPS: SCX SCAN POINT	SDX3N,SDX3P	SCSI X: DATA BIT 3		
ISCYN,P	IOPPS: SCY SCAN POINT	SDX4N,SDX4P	SCSI X: DATA BIT 4		
ISCN,P	IOPPS: SCZ SCAN POINT FOR PALM1 INPUT	SDX5B,SDX5P	SCSI X: DATA BIT 5		
MA[02-05]1	DFC: MICROBUS ADDRESS 02-05				

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GROWTH UNIT		
DWG SIZE	C2	ISSUE
		2B
AT&T	SD-3T012-01	SHEET
		A3

0 1 2 3 4 5 6 7 8 9

1 LEAD INDEX							
LDESIG	FDESIG	ELI	EQL	TRMNO	FN TRMMOD	SYMLOC	XT
02_SC24N	PC02	04-056	021	I	SC24N	B9/E0	
02_SC24N	04-062	04-062	035	I		B9/B4	*
02_SC24P	PC02	04-056	121	I	SC24P	B9/E0	
02_SC24P	04-063	04-063	035	I		B9/B4	*
02_SC25N	PC02	04-056	022	I	SC25N	B9/E0	
02_SC25N	04-062	04-062	036	I		B9/B4	*
02_SC25P	PC02	04-056	122	I	SC25P	B9/E0	
02_SC25P	04-063	04-063	036	I		B9/B4	*
02_SC26N	PC02	04-056	220	I	SC26N	B9/E0	
02_SC26N	04-062	04-062	039	I		B9/B4	*
02_SC26P	PC02	04-056	320	I	SC26P	B9/E0	
02_SC26P	04-063	04-063	039	I		B9/B5	*
02_SC27N	PC02	04-056	221	I	SC27N	B9/E0	
02_SC27N	04-062	04-062	040	I		B9/B5	*
02_SC27P	PC02	04-056	321	I	SC27P	B9/E0	
02_SC27P	04-063	04-063	040	I		B9/B5	*
02_SC28N	PC02	04-056	415	I	SC28N	B9/E0	
02_SC28N	04-062	04-062	048	I		B9/B5	*
02_SC28P	PC02	04-056	515	I	SC28P	B9/E0	
02_SC28P	04-063	04-063	048	I		B9/B5	*
02_SC29N	PC02	04-056	416	I	SC29N	B9/E0	
02_SC29N	04-062	04-062	049	I		B9/B5	*
02_SC29P	PC02	04-056	516	I	SC29P	B9/E0	
02_SC29P	04-063	04-063	049	I		B9/B5	*
02_SC30N	PC02	04-056	419	I	SC30N	B9/E0	
02_SC30N	04-062	04-062	052	I		B9/B5	*
02_SC30P	PC02	04-056	519	I	SC30P	B9/E0	
02_SC30P	04-063	04-063	052	I		B9/B5	*
02_SC31N	PC02	04-056	420	I	SC31N	B9/E0	
02_SC31N	04-062	04-062	053	I		B9/B5	*
02_SC31P	PC02	04-056	520	I	SC31P	B9/E0	
02_SC31P	04-063	04-063	053	I		B9/B5	*
02_SC44N	PC02	04-056	222	I	SC44N	B9/E0	
02_SC44N	04-062	04-062	041	I		B9/B8	*
02_SC44P	PC02	04-056	322	I	SC44P	B9/E0	
02_SC44P	04-063	04-063	041	I		B9/B8	*
02_SC45N	PC02	04-056	223	I	SC45N	B9/E0	
02_SC45N	04-062	04-062	042	I		B9/B8	*
02_SC45P	PC02	04-056	323	I	SC45P	B9/E0	
02_SC45P	04-063	04-063	042	I		B9/B8	*
02_SC46N	PC02	04-056	421	I	SC46N	B9/E0	
02_SC46N	04-062	04-062	054	I		B9/B8	*
02_SC46P	PC02	04-056	521	I	SC46P	B9/E0	
02_SC46P	04-063	04-063	054	I		B9/B8	*
02_SC47N	PC02	04-056	422	I	SC47N	B9/E0	
02_SC47N	04-062	04-062	055	I		B9/B8	*
02_SC47P	PC02	04-056	522	I	SC47P	B9/E0	
02_SC47P	04-063	04-063	055	I		B9/B8	*
02_SD24N	PC02	04-056	019	O	SD24N	B9/E0	
02_SD24N	04-062	04-062	033	O		B9/F5	*
02_SD24P	PC02	04-056	119	O	SD24P	B9/E0	
02_SD24P	04-063	04-063	033	O		B9/F6	*
02_SD25N	PC02	04-056	020	O	SD25N	B9/E0	
02_SD25N	04-062	04-062	034	O		B9/F6	*
02_SD25P	PC02	04-056	120	O	SD25P	B9/E0	
02_SD25P	04-063	04-063	034	O		B9/F6	*
02_SD26N	PC02	04-056	023	O	SD26N	B9/E0	
02_SD26N	04-062	04-062	037	O		B9/F6	*
02_SD26P	PC02	04-056	123	O	SD26P	B9/E0	
02_SD26P	04-063	04-063	037	O		B9/F6	*
02_SD27N	PC02	04-056	219	O	SD27N	B9/E0	
02_SD27N	04-062	04-062	038	O		B9/F6	*
02_SD27P	PC02	04-056	319	O	SD27P	B9/E0	
02_SD27P	04-063	04-063	038	O		B9/F6	*

2 LEAD INDEX (CONTINUED)							
LDESIG	FDESIG	ELI	EQL	TRMNO	FN TRMMOD	SYMLOC	XT
02_SD28N	PC02	04-056	412	O	SD28N	B9/E0	
02_SD28N	04-062	04-062	046	O		B9/F6	*
02_SD28P	PC02	04-056	512	O	SD28P	B9/E0	
02_SD28P	04-063	04-063	046	O		B9/F6	*
02_SD29N	PC02	04-056	413	O	SD29N	B9/E0	
02_SD29N	04-062	04-062	047	O		B9/F6	*
02_SD29P	PC02	04-056	513	O	SD29P	B9/E0	
02_SD29P	04-063	04-063	047	O		B9/F6	*
02_SD30N	PC02	04-056	417	O	SD30N	B9/E0	
02_SD30N	04-062	04-062	050	O		B9/F6	*
02_SD30P	PC02	04-056	517	O	SD30P	B9/E0	
02_SD30P	04-063	04-063	050	O		B9/F6	*
02_SD31N	PC02	04-056	418	O	SD31N	B9/E0	
02_SD31N	04-062	04-062	051	O		B9/F7	*
02_SD31P	PC02	04-056	518	O	SD31P	B9/E0	
02_SD31P	04-063	04-063	051	O		B9/F7	*
03_SC24N	PC03	04-064	021	I	SC24N	B10/E0	
03_SC24N	04-070	04-070	035	I		B10/B4	*
03_SC24P	PC03	04-064	121	I	SC24P	B10/E0	
03_SC24P	04-071	04-071	035	I		B10/B4	*
03_SC25N	PC03	04-064	022	I	SC25N	B10/E0	
03_SC25N	04-070	04-070	036	I		B10/B4	*
03_SC25P	PC03	04-064	122	I	SC25P	B10/E0	
03_SC25P	04-071	04-071	036	I		B10/B4	*
03_SC26N	PC03	04-064	220	I	SC26N	B10/E0	
03_SC26N	04-070	04-070	039	I		B10/B4	*
03_SC26P	PC03	04-064	320	I	SC26P	B10/E0	
03_SC26P	04-071	04-071	039	I		B10/B5	*
03_SC27N	PC03	04-064	221	I	SC27N	B10/E0	
03_SC27N	04-070	04-070	040	I		B10/B5	*
03_SC27P	PC03	04-064	321	I	SC27P	B10/E0	
03_SC27P	04-071	04-071	040	I		B10/B5	*
03_SC28N	PC03	04-064	415	I	SC28N	B10/E0	
03_SC28N	04-070	04-070	048	I		B10/B5	*
03_SC28P	PC03	04-064	515	I	SC28P	B10/E0	
03_SC28P	04-071	04-071	048	I		B10/B5	*
03_SC29N	PC03	04-064	416	I	SC29N	B10/E0	
03_SC29N	04-070	04-070	049	I		B10/B5	*
03_SC29P	PC03	04-064	516	I	SC29P	B10/E0	
03_SC29P	04-071	04-071	049	I		B10/B5	*
03_SC30N	PC03	04-064	419	I	SC30N	B10/E0	
03_SC30N	04-070	04-070	052	I		B10/B5	*
03_SC30P	PC03	04-064	519	I	SC30P	B10/E0	
03_SC30P	04-071	04-071	052	I		B10/B5	*
03_SC31N	PC03	04-064	420	I	SC31N	B10/E0	
03_SC31N	04-070	04-070	053	I		B10/B5	*
03_SC31P	PC03	04-064	520	I	SC31P	B10/E0	
03_SC31P	04-071	04-071	053	I		B10/B5	*
03_SC44N	PC03	04-064	222	I	SC44N	B10/E0	
03_SC44N	04-070	04-070	041	I		B10/B8	*
03_SC44P	PC03	04-064	322	I	SC44P	B10/E0	
03_SC44P	04-071	04-071	041	I		B10/B8	*
03_SC45N	PC03	04-064	223	I	SC45N	B10/E0	
03_SC45N	04-070	04-070	042	I		B10/B8	*
03_SC45P	PC03	04-064	323	I	SC45P	B10/E0	
03_SC45P	04-071	04-071	042	I		B10/B8	*
03_SC46N	PC03	04-064	421	I	SC46N	B10/E0	
03_SC46N	04-070	04-070	054	I		B10/B8	*
03_SC46P	PC03	04-064	521	I	SC46P	B10/E0	
03_SC46P	04-071	04-071	054	I		B10/B8	*
03_SC47N	PC03	04-064	422	I	SC47N	B10/E0	
03_SC47N	04-070	04-070	055	I		B10/B8	*
03_SC47P	PC03	04-064	522	I	SC47P	B10/E0	
03_SC47P	04-071	04-071	055	I		B10/B8	*

3 LEAD INDEX (CONTINUED)							
LDESIG	FDESIG	ELI	EQL	TRMNO	FN TRMMOD	SYMLOC	XT
03_SD24N	PC03	04-064	019	O	SD24N	B10/E0	
03_SD24N	04-070	04-070	033	O		B10/F5	*
03_SD24P	PC03	04-064	119	O	SD24P	B10/E0	
03_SD24P	04-071	04-071	033	O		B10/F6	*
03_SD25N	PC03	04-064	020	O	SD25N	B10/E0	
03_SD25N	04-070	04-070	034	O		B10/F6	*
03_SD25P	PC03	04-064	120	O	SD25P	B10/E0	
03_SD25P	04-071	04-071	034	O		B10/F6	*
03_SD26N	PC03	04-064	023	O	SD26N	B10/E0	
03_SD26N	04-070	04-070	037	O		B10/F6	*
03_SD26P	PC03	04-064	123	O	SD26P	B10/E0	
03_SD26P	04-071	04-071	037	O		B10/F6	*
03_SD27N	PC03	04-064	219	O	SD27N	B10/E0	
03_SD27N	04-070	04-070	038	O		B10/F6	*
03_SD27P	PC03	04-064	319	O	SD27P	B10/E0	
03_SD27P	04-071	04-071	038	O		B10/F6	*
03_SD28N	PC03	04-064	412	O	SD28N	B10/E0	
03_SD28N	04-070	04-070	046	O		B10/F6	*
03_SD28P	PC03	04-064	512	O	SD28P	B10/E0	
03_SD28P	04-071	04-071	046	O		B10/F6	*
03_SD29N	PC03	04-064	413	O	SD29N	B10/E0	
03_SD29N	04-070	04-070	047	O		B10/F6	*
03_SD29P	PC03	04-064	513	O	SD29P	B10/E0	
03_SD29P	04-071	04-071	047	O		B10/F6	*
03_SD30N	PC03	04-064	417	O	SD30N	B10/E0	
03_SD30N	04-070	04-070	050	O		B10/F6	*
03_SD30P	PC03	04-064	517	O	SD30P	B10/E0	
03_SD30P	04-071	04-071	050	O		B10/F6	*
03_SD31N	PC03	04-064	418	O	SD31N	B10/E0	
03_SD31N	04-070	04-070	051	O		B10/F7	*
03_SD31P	PC03	04-064	518	O	SD31P	B10/E0	
03_SD31P	04-071	04-071	051	O		B10/F7	*
10_SC24N	PC10	04-072	021	I	SC24N	B11/E0	
10_SC24N	04-078	04-078	035	I		B11/B4	*
10_SC24P	PC10	04-072	121	I	SC24P	B11/E0	
10_SC24P	04-079	04-079	035	I		B11/B4	*
10_SC25N	PC10	04-072	022	I	SC25N	B11/E0	
10_SC25N	04-078	04-078	036	I		B11/B4	*
10_SC25P	PC10	04-072	122	I	SC25P	B11/E0	
10_SC25P	04-079	04-079	036	I		B11/B4	*
10_SC26N	PC10	04-072	220	I	SC26N	B11/E0	
10_SC26N	04-078	04-078	039	I		B11/B4	*
10_SC26P	PC10	04-072	320	I	SC26P	B11/E0	
10_SC26P	04-079	04-079	039	I		B11/B5	*
10_SC27N	PC10	04-072	221	I	SC27N	B11/E0	
10_SC27N	04-078	04-078					

4 LEAD INDEX (CONTINUED)							
LDESIG	FDESIG	ELI	EQL	TRMNO	FN TRMMOD	SYMLOC	XT
10_SC28P	04-079		04-079	048	I	B11/B5	*
10_SC29N	PC10		04-072	416	I SC29N	B11/E0	
10_SC29N	04-078		04-078	049	I	B11/B5	*
10_SC29P	PC10		04-072	516	I SC29P	B11/E0	
10_SC29P	04-079		04-079	049	I	B11/B5	*
10_SC30N	PC10		04-072	419	I SC30N	B11/E0	
10_SC30N	04-078		04-078	052	I	B11/B5	*
10_SC30P	PC10		04-072	519	I SC30P	B11/E0	
10_SC30P	04-079		04-079	052	I	B11/B5	*
10_SC31N	PC10		04-072	420	I SC31N	B11/E0	
10_SC31N	04-078		04-078	053	I	B11/B5	*
10_SC31P	PC10		04-072	520	I SC31P	B11/E0	
10_SC31P	04-079		04-079	053	I	B11/B5	*
10_SC44N	PC10		04-072	222	I SC44N	B11/E0	
10_SC44N	04-078		04-078	041	I	B11/B8	*
10_SC44P	PC10		04-072	322	I SC44P	B11/E0	
10_SC44P	04-079		04-079	041	I	B11/B8	*
10_SC45N	PC10		04-072	223	I SC45N	B11/E0	
10_SC45N	04-078		04-078	042	I	B11/B8	*
10_SC45P	PC10		04-072	323	I SC45P	B11/E0	
10_SC45P	04-079		04-079	042	I	B11/B8	*
10_SC46N	PC10		04-072	421	I SC46N	B11/E0	
10_SC46N	04-078		04-078	054	I	B11/B8	*
10_SC46P	PC10		04-072	521	I SC46P	B11/E0	
10_SC46P	04-079		04-079	054	I	B11/B8	*
10_SC47N	PC10		04-072	422	I SC47N	B11/E0	
10_SC47N	04-078		04-078	055	I	B11/B8	*
10_SC47P	PC10		04-072	522	I SC47P	B11/E0	
10_SC47P	04-079		04-079	055	I	B11/B8	*
10_SD24N	PC10		04-072	019	O SD24N	B11/E0	
10_SD24N	04-078		04-078	033	O	B11/F5	*
10_SD24P	PC10		04-072	119	O SD24P	B11/E0	
10_SD24P	04-079		04-079	033	O	B11/F6	*
10_SD25N	PC10		04-072	020	O SD25N	B11/E0	
10_SD25N	04-078		04-078	034	O	B11/F6	*
10_SD25P	PC10		04-072	120	O SD25P	B11/E0	
10_SD25P	04-079		04-079	034	O	B11/F6	*
10_SD26N	PC10		04-072	023	O SD26N	B11/E0	
10_SD26N	04-078		04-078	037	O	B11/F6	*
10_SD26P	PC10		04-072	123	O SD26P	B11/E0	
10_SD26P	04-079		04-079	037	O	B11/F6	*
10_SD27N	PC10		04-072	219	O SD27N	B11/E0	
10_SD27N	04-078		04-078	038	O	B11/F6	*
10_SD27P	PC10		04-072	319	O SD27P	B11/E0	
10_SD27P	04-079		04-079	038	O	B11/F6	*
10_SD28N	PC10		04-072	412	O SD28N	B11/E0	
10_SD28N	04-078		04-078	046	O	B11/F6	*
10_SD28P	PC10		04-072	512	O SD28P	B11/E0	
10_SD28P	04-079		04-079	046	O	B11/F6	*
10_SD29N	PC10		04-072	413	O SD29N	B11/E0	
10_SD29N	04-078		04-078	047	O	B11/F6	*
10_SD29P	PC10		04-072	513	O SD29P	B11/E0	
10_SD29P	04-079		04-079	047	O	B11/F6	*
10_SD30N	PC10		04-072	417	O SD30N	B11/E0	
10_SD30N	04-078		04-078	050	O	B11/F6	*
10_SD30P	PC10		04-072	517	O SD30P	B11/E0	
10_SD30P	04-079		04-079	050	O	B11/F6	*
10_SD31N	PC10		04-072	418	O SD31N	B11/E0	
10_SD31N	04-078		04-078	051	O	B11/F7	*
10_SD31P	PC10		04-072	518	O SD31P	B11/E0	
10_SD31P	04-079		04-079	051	O	B11/F7	*
11_SC24N	PC11		04-080	021	I SC24N	B12/E0	
11_SC24N	04-086		04-086	035	I	B12/B4	*
11_SC24P	PC11		04-080	121	I SC24P	B12/E0	

5 LEAD INDEX (CONTINUED)							
LDESIG	FDESIG	ELI	EQL	TRMNO	FN TRMMOD	SYMLOC	XT
11_SC24P	04-087		04-087	035	I	B12/B4	*
11_SC25N	PC11		04-080	022	I SC25N	B12/E0	
11_SC25N	04-086		04-086	036	I	B12/B4	*
11_SC25P	PC11		04-080	122	I SC25P	B12/E0	
11_SC25P	04-087		04-087	036	I	B12/B4	*
11_SC26N	PC11		04-080	220	I SC26N	B12/E0	
11_SC26N	04-086		04-086	039	I	B12/B4	*
11_SC26P	PC11		04-080	320	I SC26P	B12/E0	
11_SC26P	04-087		04-087	039	I	B12/B5	*
11_SC27N	PC11		04-080	221	I SC27N	B12/E0	
11_SC27N	04-086		04-086	040	I	B12/B5	*
11_SC27P	PC11		04-080	321	I SC27P	B12/E0	
11_SC27P	04-087		04-087	040	I	B12/B5	*
11_SC28N	PC11		04-080	415	I SC28N	B12/E0	
11_SC28N	04-086		04-086	048	I	B12/B5	*
11_SC28P	PC11		04-080	515	I SC28P	B12/E0	
11_SC28P	04-087		04-087	048	I	B12/B5	*
11_SC29N	PC11		04-080	416	I SC29N	B12/E0	
11_SC29N	04-086		04-086	049	I	B12/B5	*
11_SC29P	PC11		04-080	516	I SC29P	B12/E0	
11_SC29P	04-087		04-087	049	I	B12/B5	*
11_SC30N	PC11		04-080	419	I SC30N	B12/E0	
11_SC30N	04-086		04-086	052	I	B12/B5	*
11_SC30P	PC11		04-080	519	I SC30P	B12/E0	
11_SC30P	04-087		04-087	052	I	B12/B5	*
11_SC31N	PC11		04-080	420	I SC31N	B12/E0	
11_SC31N	04-086		04-086	053	I	B12/B5	*
11_SC31P	PC11		04-080	520	I SC31P	B12/E0	
11_SC31P	04-087		04-087	053	I	B12/B5	*
11_SC44N	PC11		04-080	222	I SC44N	B12/E0	
11_SC44N	04-086		04-086	041	I	B12/B8	*
11_SC44P	PC11		04-080	322	I SC44P	B12/E0	
11_SC44P	04-087		04-087	041	I	B12/B8	*
11_SC45N	PC11		04-080	223	I SC45N	B12/E0	
11_SC45N	04-086		04-086	042	I	B12/B8	*
11_SC45P	PC11		04-080	323	I SC45P	B12/E0	
11_SC45P	04-087		04-087	042	I	B12/B8	*
11_SC46N	PC11		04-080	421	I SC46N	B12/E0	
11_SC46N	04-086		04-086	054	I	B12/B8	*
11_SC46P	PC11		04-080	521	I SC46P	B12/E0	
11_SC46P	04-087		04-087	054	I	B12/B8	*
11_SC47N	PC11		04-080	422	I SC47N	B12/E0	
11_SC47N	04-086		04-086	055	I	B12/B8	*
11_SC47P	PC11		04-080	522	I SC47P	B12/E0	
11_SC47P	04-087		04-087	055	I	B12/B8	*
11_SD24N	PC11		04-080	019	O SD24N	B12/E0	
11_SD24N	04-086		04-086	033	O	B12/F5	*
11_SD24P	PC11		04-080	119	O SD24P	B12/E0	
11_SD24P	04-087		04-087	033	O	B12/F6	*
11_SD25N	PC11		04-080	020	O SD25N	B12/E0	
11_SD25N	04-086		04-086	034	O	B12/F6	*
11_SD25P	PC11		04-080	120	O SD25P	B12/E0	
11_SD25P	04-087		04-087	034	O	B12/F6	*
11_SD26N	PC11		04-080	023	O SD26N	B12/E0	
11_SD26N	04-086		04-086	037	O	B12/F6	*
11_SD26P	PC11		04-080	123	O SD26P	B12/E0	
11_SD26P	04-087		04-087	037	O	B12/F6	*
11_SD27N	PC11		04-080	219	O SD27N	B12/E0	
11_SD27N	04-086		04-086	038	O	B12/F6	*
11_SD27P	PC11		04-080	319	O SD27P	B12/E0	
11_SD27P	04-087		04-087	038	O	B12/F6	*
11_SD28N	PC11		04-080	412	O SD28N	B12/E0	
11_SD28N	04-086		04-086	046	O	B12/F6	*
11_SD28P	PC11		04-080	512	O SD28P	B12/E0	

6 LEAD INDEX (CONTINUED)							
LDESIG	FDESIG	ELI	EQL	TRMNO	FN TRMMOD	SYMLOC	XT
11_SD28P	04-087		04-087	046	O	B12/F6	*
11_SD29N	PC11		04-080	413	O SD29N	B12/E0	
11_SD29N	04-086		04-086	047	O	B12/F6	*
11_SD29P	PC11		04-080	513	O SD29P	B12/E0	
11_SD29P	04-087		04-087	047	O	B12/F6	*
11_SD30N	PC11		04-080	417	O SD30N	B12/E0	
11_SD30N	04-086		04-086	050	O	B12/F6	*
11_SD30P	PC11		04-080	517	O SD30P	B12/E0	
11_SD30P	04-087		04-087	050	O	B12/F6	*
11_SD31N	PC11		04-080	418	O SD31N	B12/E0	
11_SD31N	04-086		04-086	051	O	B12/F7	*
11_SD31P	PC11		04-080	518	O SD31P	B12/E0	
11_SD31P	04-087		04-087	051	O	B12/F7	*
3BCMP0	DFCB		04-172	340	I 3BRWCMP1	B4/E2	
3BCMP0	DFCA		04-180	245	I 3BCMP0	B3/E0	
48R19	E13		02-188-010	1	P PWR1	G1/E6	
48R19	E13		02-188-010	2	P PWR2	G1/E6	
48R19	E13		02-188-010	3	P PWR3	G1/E6	
48R19	E13		02-188-010	4	P PWR4	G1/E6	
48R19	02-188B		02-188B	010	P	G1/E5	*
48R19	CONVH		04-190	003	P +VIN	B5/F3	
48R19	CONVH		04-190	004	P +VIN	B5/F3	
48R19	CONVH		04-190	005	P +VIN	B5/F3	
48R19	CONVH		04-190	102	P +VIN	B5/F3	
48R19	CONVH		04-190	103	P +VIN	B5/F3	
48R19	CONVH		04-190	104	P +VIN	B5/F3	
48R20	DFCA		04-180	444	P N48R	B3/E0	
48R20	DFCA		04-180	445	P N48R	B3/E0	
48R20	E12		06-188-037	1	P PWR1	G1/E6	
48R20	E12		06-188-037	2	P PWR2	G1/E6	
48R20	E12		06-188-037	3	P PWR3	G1/E6	
48R20	E12		06-188-037	4	P PWR4	G1/E6	
48R20	06-188A		06-188A	037	P	G1/E5	*
48R21	PC32		04-156	444	P 48R	B21/E1	
48R21	PC32		04-156	445	P 48R	B21/E1	
48R21	PC33		04-164	444	P 48R	B22/E1	
48R21	PC33		04-164	445	P 48R	B22/E1	
48R21	E11		06-188-054	1	P PWR1	G1/D6	
48R21	E11		06-188-054	2	P PWR2	G1/D6	
48R21	E11		06-188-054	3	P PWR3	G1/D6	
48R21	E11		06-188-054	4	P PWR4	G1/D6	
48R21	06-188C		06-188C	054	P	G1/D5	*
48R22	E2		02-023-008	1	P PWR1	G1/C1	
48R22	E2		02-023-008	2	P PWR2	G1/C1	
48R22	E2		02-023-008	3	P PWR3	G1/C1	
48R22	E2		02-023-008	4	P PWR4	G1/C1	
48R22	02-023B		02-023B	008	P	G1/C1	*
48R22	CONVF</						

7 LEAD INDEX (CONTINUED)						
LDESIG	FDESIG	ELI EQL	TRMNO	FN TRMMOD	SYMLOC	XT
48R24	PC00	04-040	445	P 48R	B7/E1	*
48R24	PC01	04-048	444	P 48R	B8/E1	*
48R24	PC01	04-048	445	P 48R	B8/E1	*
48R24	06-032	06-032	037	P	G1/D1	*
48R24	E4	06-032-037	1	P PWR1	G1/D1	*
48R24	E4	06-032-037	2	P PWR2	G1/D1	*
48R24	E4	06-032-037	3	P PWR3	G1/D1	*
48R24	E4	06-032-037	4	P PWR4	G1/D1	*
48R25	PC02	04-056	444	P 48R	B9/E0	*
48R25	PC02	04-056	445	P NC	B9/E0	*
48R25	PC03	04-064	444	P 48R	B10/E0	*
48R25	PC03	04-064	445	P NC	B10/E0	*
48R25	E5	06-023-053	1	P PWR1	G1/E1	*
48R25	E5	06-023-053	2	P PWR2	G1/E1	*
48R25	E5	06-023-053	3	P PWR3	G1/E1	*
48R25	E5	06-023-053	4	P PWR4	G1/E1	*
48R25	06-023B	06-023B	053	P	G1/E1	*
48R28	PC10	04-072	444	P 48R	B11/E0	*
48R28	PC10	04-072	445	P NC	B11/E0	*
48R28	PC11	04-080	444	P 48R	B12/E0	*
48R28	PC11	04-080	445	P NC	B12/E0	*
48R28	E6	06-105-038	1	P PWR1	G1/E1	*
48R28	E6	06-105-038	2	P PWR2	G1/E1	*
48R28	E6	06-105-038	3	P PWR3	G1/E1	*
48R28	E6	06-105-038	4	P PWR4	G1/E1	*
48R28	06-105B	06-105B	038	P	G1/E1	*
48R29	PC12	04-088	444	P 48R	B13/E1	*
48R29	PC12	04-088	445	P 48R	B13/E1	*
48R29	PC13	04-096	444	P 48R	B14/E1	*
48R29	PC13	04-096	445	P 48R	B14/E1	*
48R29	E7	06-105-055	1	P PWR1	G1/F1	*
48R29	E7	06-105-055	2	P PWR2	G1/F1	*
48R29	E7	06-105-055	3	P PWR3	G1/F1	*
48R29	E7	06-105-055	4	P PWR4	G1/F1	*
48R29	06-105D	06-105D	055	P	G1/F1	*
48R30	E3	02-032-023	1	P PWR1	G1/D1	*
48R30	E3	02-032-023	2	P PWR2	G1/D1	*
48R30	E3	02-032-023	3	P PWR3	G1/D1	*
48R30	E3	02-032-023	4	P PWR4	G1/D1	*
48R30	02-032B	02-032B	023	P	G1/D1	*
48R30	CONVG	04-034	003	P +VIN	B2/E1	*
48R30	CONVG	04-034	004	P +VIN	B2/E1	*
48R30	CONVG	04-034	005	P +VIN	B2/E1	*
48R30	CONVG	04-034	102	P +VIN	B2/E1	*
48R30	CONVG	04-034	103	P +VIN	B2/E1	*
48R30	CONVG	04-034	104	P +VIN	B2/E1	*
48R31	E8	02-105-023	1	P PWR1	G1/C6	*
48R31	E8	02-105-023	2	P PWR2	G1/C6	*
48R31	E8	02-105-023	3	P PWR3	G1/C6	*
48R31	E8	02-105-023	4	P PWR4	G1/C6	*
48R31	02-105D	02-105D	023	P	G1/C6	*
48R31	PC20	04-108	444	P 48R	B15/E1	*
48R31	PC20	04-108	445	P 48R	B15/E1	*
48R31	PC21	04-116	444	P 48R	B16/E1	*
48R31	PC21	04-116	445	P 48R	B16/E1	*
48R32	E9	02-105-008	1	P PWR1	G1/C6	*
48R32	E9	02-105-008	2	P PWR2	G1/C6	*
48R32	E9	02-105-008	3	P PWR3	G1/C6	*
48R32	E9	02-105-008	4	P PWR4	G1/C6	*
48R32	02-105B	02-105B	008	P	G1/C6	*
48R32	PC22	04-124	444	P 48R	B17/E1	*
48R32	PC22	04-124	445	P 48R	B17/E1	*
48R32	PC23	04-132	444	P 48R	B18/E1	*
48R32	PC23	04-132	445	P 48R	B18/E1	*
48R33	E10	02-188-024	1	P PWR1	G1/D6	*
48R33	E10	02-188-024	2	P PWR2	G1/D6	*
48R33	E10	02-188-024	3	P PWR3	G1/D6	*
48R33	E10	02-188-024	4	P PWR4	G1/D6	*
48R33	02-188D	02-188D	024	P	G1/D6	*
48R33	PC30	04-140	444	P 48R	B19/E1	*
48R33	PC30	04-140	445	P 48R	B19/E1	*
48R33	PC31	04-148	444	P 48R	B20/E1	*
48R33	PC31	04-148	445	P 48R	B20/E1	*
ACKKN	04-063	04-063	017	IO	B23/C6	*
ACKKN	04-071	04-071	017	IO	B23/C5	*
ACKKN	04-095	04-095	017	IO	B23/C8	*
ACKKN	04-139	04-139	017	IO	B23/C3	*
ACKKN	04-171	04-171	017	IO	B23/C1	*
ACKKN	DFCA	04-180	317	IO ACKBN	B3/E0	*
ACKXP	04-062	04-062	017	IO	B23/E6	*
ACKXP	04-070	04-070	017	IO	B23/E5	*
ACKXP	04-094	04-094	017	IO	B23/E8	*
ACKXP	04-138	04-138	017	IO	B23/E3	*
ACKXP	04-170	04-170	017	IO	B23/E1	*
ACKXP	DFCA	04-180	217	IO ACKBP	B3/E0	*

8 LEAD INDEX (CONTINUED)						
LDESIG	FDESIG	ELI EQL	TRMNO	FN TRMMOD	SYMLOC	XT
ACKYN	04-047	04-047	017	IO	B24/C8	*
ACKYN	04-055	04-055	017	IO	B24/C6	*
ACKYN	04-087	04-087	017	IO	B24/C4	*
ACKYN	04-123	04-123	017	IO	B24/C3	*
ACKYN	04-155	04-155	017	IO	B24/C1	*
ACKYN	DFCA	04-180	517	IO ACKAN	B3/E0	*
ACKYP	04-046	04-046	017	IO	B24/E8	*
ACKYP	04-054	04-054	017	IO	B24/E6	*
ACKYP	04-086	04-086	017	IO	B24/E4	*
ACKYP	04-122	04-122	017	IO	B24/E3	*
ACKYP	04-154	04-154	017	IO	B24/E1	*
ACKYP	DFCA	04-180	417	IO ACKAP	B3/E0	*
ATNXN	04-063	04-063	014	IO	B23/C6	*
ATNXN	04-071	04-071	014	IO	B23/C5	*
ATNXN	04-095	04-095	014	IO	B23/C8	*
ATNXN	04-139	04-139	014	IO	B23/C3	*
ATNXN	04-171	04-171	014	IO	B23/C1	*
ATNXN	DFCA	04-180	314	IO ATNBN	B3/E0	*
ATNXP	04-062	04-062	014	IO	B23/F6	*
ATNXP	04-070	04-070	014	IO	B23/F5	*
ATNXP	04-094	04-094	014	IO	B23/F8	*
ATNXP	04-138	04-138	014	IO	B23/F3	*
ATNXP	04-170	04-170	014	IO	B23/F1	*
ATNXP	DFCA	04-180	214	IO ATNBP	B3/E0	*
ATNYN	04-047	04-047	014	IO	B24/C8	*
ATNYN	04-055	04-055	014	IO	B24/C6	*
ATNYN	04-087	04-087	014	IO	B24/C4	*
ATNYN	04-123	04-123	014	IO	B24/C3	*
ATNYN	04-155	04-155	014	IO	B24/C1	*
ATNYN	DFCA	04-180	514	IO ATNAN	B3/E0	*
ATNYP	04-046	04-046	014	IO	B24/F8	*
ATNYP	04-054	04-054	014	IO	B24/F6	*
ATNYP	04-086	04-086	014	IO	B24/F4	*
ATNYP	04-122	04-122	014	IO	B24/F3	*
ATNYP	04-154	04-154	014	IO	B24/F1	*
ATNYP	DFCA	04-180	414	IO ATNAP	B3/E0	*
AUXTCK0	IOP	04-011	614	I TCKIN	B6/E1	*
AUXTCK0	IOPPS	04-026	050	O AUXTCK0	B1/E0	*
AUXTCK1	IOPPS	04-026	348	O AUXTCK1	B1/E0	*
AUXTCK1	PC00	04-040	456	I TCLK	B7/E1	*
AUXTCK1	PC01	04-048	456	I TCLK	B8/E1	*
AUXTCK1	PC02	04-056	456	I NC	B9/E0	*
AUXTCK1	PC03	04-064	456	I NC	B10/E0	*
AUXTCK1	PC10	04-072	456	I NC	B11/E0	*
AUXTCK1	PC11	04-080	456	I NC	B12/E0	*
AUXTCK1	PC12	04-088	456	I TCLK	B13/E1	*
AUXTCK1	PC13	04-096	456	I TCLK	B14/E1	*
AUXTCK2	IOPPS	04-026	248	O AUXTCK2	B1/E0	*
AUXTCK2	PC20	04-108	456	I TCLK	B15/E1	*
AUXTCK2	PC21	04-116	456	I TCLK	B16/E1	*
AUXTCK2	PC22	04-124	456	I TCLK	B17/E1	*
AUXTCK2	PC23	04-132	456	I TCLK	B18/E1	*
AUXTCK2	PC30	04-140	456	I TCLK	B19/E1	*
AUXTCK2	PC31	04-148	456	I TCLK	B20/E1	*
AUXTCK2	PC32	04-156	456	I TCLK	B21/E1	*
AUXTCK2	PC33	04-164	456	I TCLK	B22/E1	*
AUXTCK3	IOPPS	04-026	350	O AUXTCK3	B1/E0	*
AUXTCK3	DFCA	04-180	456	I TCK	B3/E0	*
AUXTCK4	IOPPS	04-026	250	O AUXTCK4	B1/E0	*
AUXTCK4	DFCB	04-172	006	I TCK	B4/E2	*
AUXTDI	IOP	04-011	613	I TDIIN	B6/E1	*
AUXTDI	IOPPS	04-026	049	O AUXTDI	B1/E0	*
AUXTDI	PC00	04-040	543	I TDI	B7/E1	*
AUXTDI	PC01	04-048	543	I TDI	B8/E1	*
AUXTDI	PC02	04-056	543	I NC	B9/E0	*
AUXTDI	PC03	04-064	543	I NC	B10/E0	*
AUXTDI	PC10	04-072	543	I NC	B11/E0	*
AUXTDI	PC11	04-080	543	I NC	B12/E0	*
AUXTDI	PC12	04-088	543	I TDI	B13/E1	*
AUXTDI	PC13	04-096	543	I TDI	B14/E1	*
AUXTDI	PC20	04-108	543	I TDI	B15/E1	*
AUXTDI	PC21	04-116	543	I TDI	B16/E1	*
AUXTDI	PC22	04-124	543	I TDI	B17/E1	*
AUXTDI	PC23	04-132	543	I TDI	B18/E1	*
AUXTDI	PC30	04-140	543	I TDI	B19/E1	*
AUXTDI	PC31	04-148	543	I TDI	B20/E1	*
AUXTDI	PC32	04-156	543	I TDI	B21/E1	*
AUXTDI	PC33	04-164	543	I TDI	B22/E1	*
AUXTDI	DFCB	04-172	104	I TDI	B4/E2	*
AUXTDI	DFCA	04-180	543	I TDI	B3/E0	*
AUXTDO	IOP	04-011	712	O TDOOUT	B6/E1	*
AUXTDO	IOPPS	04-026	149	I AUXTDO	B1/E0	*
AUXTDO	PC00	04-040	532	O TDO	B7/E1	*

9 LEAD INDEX (CONTINUED)						
LDESIG	FDESIG	ELI EQL	TRMNO	FN TRMMOD	SYMLOC	XT
AUXTDO	PC01	04-048	532	O TDO	B8/E1	*
AUXTDO	PC02	04-056	532	O NC	B9/E0	*
AUXTDO	PC03	04-064	532	O NC	B10/E0	*
AUXTDO	PC10	04-072	532	O NC	B11/E0	*
AUXTDO	PC11	04-080	532	O NC	B12/E0	*
AUXTDO	PC12	04-088	532	O TDO	B13/E1	*
AUXTDO	PC13	04-096	532	O TDO	B14/E1	*
AUXTDO	PC20	04-108	532	O TDO	B15/E1	*
AUXTDO	PC21	04-116	532	O TDO	B16/E1	*
AUXTDO	PC22	04-124	532	O TDO	B17/E1	*
AUXTDO	PC23	04-132	532	O TDO	B18/E1	*
AUXTDO	PC30	04-140	532	O TDO	B19/E1	*
AUXTDO	PC31	04-148	532	O TDO	B20/E1	*
AUXTDO	PC32	04-156	532	O TDO	B21/E1	*
AUXTDO	PC33	04-164	532	O TDO	B22/E1	*
AUXTDO	DFCB	04-172	004	O TDO	B4/E2	*
AUXTDO	DFCA	04-180	532	O TDO	B3/E0	*
AUXTMS	IOP	04-011	713	I TMSIN	B6/E1	*
AUXTMS	IOPPS	04-026	150	O AUXTMS	B1/E0	*
AUXTMS	PC00	04-040	443	I TMS	B7/E1	*
AUXTMS	PC01	04-048	443	I TMS	B8/E1	*
AUXTMS	PC02	04-056	443	I NC	B9/E0	*
AUXTMS	PC03	04-064	443	I NC	B10/E0	*
AUXTMS	PC10	04-072	443	I NC	B11/E0	*
AUXTMS	PC11	04-080	443	I NC	B12/E0	*
AUXTMS	PC12	04-088	443	I TMS	B13/E1	*
AUXTMS	PC13	04-096	443	I TMS	B1	

10 LEAD INDEX (CONTINUED)							
LDESIG	FDESIG	ELI EQL	TRMNO	FN TRMMOD	SYMLOC	XT	
BSSEL080	PC20	04-108	556	I BS_SEL0	B15/E1		
BSSEL090	IOPPS	04-026	042	O SEL090	B1/E0		
BSSEL090	PC21	04-116	556	I BS_SEL0	B16/E1		
BSSEL100	IOPPS	04-026	143	O SEL100	B1/E0		
BSSEL100	PC22	04-124	556	I BS_SEL0	B17/E1		
BSSEL110	IOPPS	04-026	043	O SEL110	B1/E0		
BSSEL110	PC23	04-132	556	I BS_SEL0	B18/E1		
BSSEL120	IOPPS	04-026	144	O SEL120	B1/E0		
BSSEL120	PC30	04-140	556	I BS_SEL0	B19/E1		
BSSEL130	IOPPS	04-026	044	O SEL130	B1/E0		
BSSEL130	PC31	04-148	556	I BS_SEL0	B20/E1		
BSSEL140	IOPPS	04-026	145	O SEL140	B1/E0		
BSSEL140	PC32	04-156	556	I BS_SEL0	B21/E1		
BSSEL150	IOPPS	04-026	045	O SEL150	B1/E0		
BSSEL150	PC33	04-164	556	I BS_SEL0	B22/E1		
BSSEL180	IOPPS	04-026	147	O SEL180	B1/E0		
BSSEL180	DFCA	04-180	556	I SELECT0	B3/E0		
BSSEL190	IOPPS	04-026	047	O SEL190	B1/E0		
BSSEL190	DFCB	04-172	007	I BS_SEL0	B4/E2		
BSSEL200	IOP	04-011	715	I TRIBIST	B6/E1		
BSSEL200	IOPPS	04-026	148	O SEL200	B1/E0		
BSYXN	04-063	04-063	016	IO	B23/C6	*	
BSYXN	04-071	04-071	016	IO	B23/C5	*	
BSYXN	04-095	04-095	016	IO	B23/C8	*	
BSYXN	04-139	04-139	016	IO	B23/C3	*	
BSYXN	04-171	04-171	016	IO	B23/C1	*	
BSYXN	DFCA	04-180	316	IO BSYBN	B3/E0	*	
BSYXP	04-062	04-062	016	IO	B23/F6	*	
BSYXP	04-070	04-070	016	IO	B23/F5	*	
BSYXP	04-094	04-094	016	IO	B23/F8	*	
BSYXP	04-138	04-138	016	IO	B23/F3	*	
BSYXP	04-170	04-170	016	IO	B23/F1	*	
BSYXP	DFCA	04-180	216	IO BSYBP	B3/E0	*	
BSYYN	04-047	04-047	016	IO	B24/C8	*	
BSYYN	04-055	04-055	016	IO	B24/C6	*	
BSYYN	04-087	04-087	016	IO	B24/C4	*	
BSYYN	04-123	04-123	016	IO	B24/C3	*	
BSYYN	04-155	04-155	016	IO	B24/C1	*	
BSYYN	DFCA	04-180	516	IO BSYAN	B3/E0	*	
BSYYP	04-046	04-046	016	IO	B24/F8	*	
BSYYP	04-054	04-054	016	IO	B24/F6	*	
BSYYP	04-086	04-086	016	IO	B24/F4	*	
BSYYP	04-122	04-122	016	IO	B24/F3	*	
BSYYP	04-154	04-154	016	IO	B24/F1	*	
BSYYP	DFCA	04-180	416	IO BSYAP	B3/E0	*	
BUSENA0	DFCB	04-172	350	O BUSENA0	B4/E2		
BUSENA0	DFCA	04-180	350	I BUSENA0	B3/E0		
BUSENB0	DFCB	04-172	249	O BUSENB0	B4/E2		
BUSENB0	DFCA	04-180	348	I BUSENB0	B3/E0		
CDXN	04-063	04-063	021	IO	B23/B6	*	
CDXN	04-071	04-071	021	IO	B23/B5	*	
CDXN	04-095	04-095	021	IO	B23/B8	*	
CDXN	04-139	04-139	021	IO	B23/B3	*	
CDXN	04-171	04-171	021	IO	B23/B1	*	
CDXN	DFCA	04-180	321	IO CDBN	B3/E0	*	
CDXP	04-062	04-062	021	IO	B23/E6	*	
CDXP	04-070	04-070	021	IO	B23/E5	*	
CDXP	04-094	04-094	021	IO	B23/E8	*	
CDXP	04-138	04-138	021	IO	B23/E3	*	
CDXP	04-170	04-170	021	IO	B23/E1	*	
CDXP	DFCA	04-180	221	IO CDBP	B3/E0	*	
CDYN	04-047	04-047	021	IO	B24/B8	*	
CDYN	04-055	04-055	021	IO	B24/B6	*	
CDYN	04-087	04-087	021	IO	B24/B4	*	
CDYN	04-123	04-123	021	IO	B24/B3	*	
CDYN	04-155	04-155	021	IO	B24/B1	*	
CDYN	DFCA	04-180	521	IO CDAN	B3/E0	*	
CDYP	04-046	04-046	021	IO	B24/E8	*	
CDYP	04-054	04-054	021	IO	B24/E6	*	
CDYP	04-086	04-086	021	IO	B24/E4	*	
CDYP	04-122	04-122	021	IO	B24/E3	*	
CDYP	04-154	04-154	021	IO	B24/E1	*	
CDYP	DFCA	04-180	421	IO CDAP	B3/E0	*	
CFLG1	DFCB	04-172	336	I CFLG1	B4/E2		

11 LEAD INDEX (CONTINUED)							
LDESIG	FDESIG	ELI EQL	TRMNO	FN TRMMOD	SYMLOC	XT	
CPLG1	DFCA	04-180	240	O CPLG01	B3/E0		
CINT00	IOP	04-011	720	O CINT000	B6/E1		
CINT00	PC00	04-040	005	I CINT0	B7/E1		
CINT00	PC01	04-048	005	I CINT0	B8/E1		
CINT00	PC02	04-056	005	I CINT0	B9/E0		
CINT00	PC03	04-064	005	I CINT0	B10/E0		
CINT10	IOP	04-011	320	O CINT100	B6/E1		
CINT10	PC10	04-072	005	I CINT0	B11/E0		
CINT10	PC11	04-080	005	I CINT0	B12/E0		
CINT10	PC12	04-088	005	I CINT0	B13/E1		
CINT10	PC13	04-096	005	I CINT0	B14/E1		
CINT20	IOP	04-011	520	O CINT200	B6/E1		
CINT20	PC20	04-108	005	I CINT0	B15/E1		
CINT20	PC21	04-116	005	I CINT0	B16/E1		
CINT20	PC22	04-124	005	I CINT0	B17/E1		
CINT20	PC23	04-132	005	I CINT0	B18/E1		
CINT30	IOP	04-011	120	O CINT300	B6/E1		
CINT30	PC30	04-140	005	I CINT0	B19/E1		
CINT30	PC31	04-148	005	I CINT0	B20/E1		
CINT30	PC32	04-156	005	I CINT0	B21/E1		
CINT30	PC33	04-164	005	I CINT0	B22/E1		
CLK00N	IOP	04-011	407	O CLK000N	B6/E1	*	
CLK00P	IOP	04-011	506	O CLK000P	B6/E1	*	
CLK01N	IOP	04-011	607	O CLK010N	B6/E1	*	
CLK01P	IOP	04-011	706	O CLK010P	B6/E1	*	
CLK0N	DFCA	04-180	007	O CLK00N	B3/E0	*	
CLK0P	DFCA	04-180	106	O CLK00P	B3/E0	*	
CLK1N	DFCA	04-180	020	O CLK10N	B3/E0	*	
CLK1P	DFCA	04-180	119	O CLK10P	B3/E0	*	
CLR00	IOP	04-011	620	O CLR000	B6/E1		
CLR00	PC00	04-040	205	I CLRPC0	B7/E1		
CLR00	PC01	04-048	205	I CLRPC0	B8/E1		
CLR00	PC02	04-056	205	I CLRPC0	B9/E0		
CLR00	PC03	04-064	205	I CLRPC0	B10/E0		
CLR10	IOP	04-011	220	O CLR100	B6/E1		
CLR10	PC10	04-072	205	I CLRPC0	B11/E0		
CLR10	PC11	04-080	205	I CLRPC0	B12/E0		
CLR10	PC12	04-088	205	I CLRPC0	B13/E1		
CLR10	PC13	04-096	205	I CLRPC0	B14/E1		
CLR20	IOP	04-011	420	O CLR200	B6/E1		
CLR20	PC20	04-108	205	I CLRPC0	B15/E1		
CLR20	PC21	04-116	205	I CLRPC0	B16/E1		
CLR20	PC22	04-124	205	I CLRPC0	B17/E1		
CLR20	PC23	04-132	205	I CLRPC0	B18/E1		
CLR30	IOP	04-011	020	O CLR300	B6/E1		
CLR30	PC30	04-140	205	I CLRPC0	B19/E1		
CLR30	PC31	04-148	205	I CLRPC0	B20/E1		
CLR30	PC32	04-156	205	I CLRPC0	B21/E1		
CLR30	PC33	04-164	205	I CLRPC0	B22/E1		
CPFN	CONVF	04-006	017	I CP+	B2/E5		
CPFN	IOP	04-011	513	I NCURPR	B6/E1		
CPFN	IOPPS	04-026	018	O CPGN	B1/E0		
CPFN	PC00	04-040	112	O PCPRA	B7/E1		
CPFN	PC01	04-048	112	O PCPRA	B8/E1		
CPFN	PC02	04-056	112	O PCPRA	B9/E0		
CPFN	PC03	04-064	112	O PCPRA	B10/E0		
CPFN	PC10	04-072	112	O PCPRA	B11/E0		
CPFN	PC11	04-080	112	O PCPRA	B12/E0		
CPFN	PC12	04-088	112	O PCPRA	B13/E1		
CPFN	PC13	04-096	112	O PCPRA	B14/E1		
CPFP	CONVF	04-006	117	I CP-	B2/E5		
CPFP	IOP	04-011	512	I PCURPR	B6/E1		
CPFP	IOPPS	04-026	118	O CPCP	B1/E0		
CPFP	PC00	04-040	012	O PCPRB	B7/E1		
CPFP	PC01	04-048	012	O PCPRB	B8/E1		
CPFP	PC02	04-056	012	O PCPRB	B9/E0		
CPFP	PC03	04-064	012	O PCPRB	B10/E0		
CPFP	PC10	04-072	012	O PCPRB	B11/E0		
CPFP	PC11	04-080	012	O PCPRB	B12/E0		
CPFP	PC12	04-088	012	O PCPRB	B13/E1		
CPFP	PC13	04-096	012	O PCPRB	B14/E1		
CPGN	CONVG	04-034	117	I CP-	B2/E1		
CPGN	PC20	04-108	112	O PCPRA	B15/E1		
CPGN	PC21	04-116	112	O PCPRA	B16/E1		
CPGN	PC22	04-124	112	O PCPRA	B17/E1		
CPGN	PC23	04-132	112	O PCPRA	B18/E1		

12 LEAD INDEX (CONTINUED)							
LDESIG	FDESIG	ELI EQL	TRMNO	FN TRMMOD	SYMLOC	XT	
CPGN	PC30	04-140	112	O PCPRA	B19/E1		
CPGN	PC31	04-148	112	O PCPRA	B20/E1		
CPGN	PC32	04-156	112	O PCPRA	B21/E1		
CPGN	PC33	04-164	112	O PCPRA	B22/E1		
CPGP	CONVG	04-034	017	I CP+	B2/E1		
CPGP	PC20	04-108	012	O PCPRB	B15/E1		
CPGP	PC21	04-116	012	O PCPRB	B16/E1		
CPGP	PC22	04-124	012	O PCPRB	B17/E1		
CPGP	PC23	04-132	012	O PCPRB	B18/E1		
CPGP	PC30	04-140	012	O PCPRB	B19/E1		
CPGP	PC31	04-148	012	O PCPRB	B20/E1		
CPGP	PC32	04-156	012	O PCPRB	B21/E1		
CPGP	PC33	04-164	012	O PCPRB	B22/E1		
CPHN	DFCB	04-172	122	IO LIMIT1	B4/E2		
CPHN	DFCA	04-180	234	I LIMIT0	B3/E0		
CPHN	CONVH	04-190	117	I CP-	B5/F3		
CPHP	DFCB	04-172	123	IO LIMIT0	B4/E2		
CPHP	DFCA	04-180	337	I LIMIT1	B3/E0		
CPHP	CONVH	04-190	017	I CP+	B5/F3		
CSA000	IOP	04-011	616	I CSA000	B6/E1		
CSA000	PC00	04-040	301	O CSA0	B7/E1		
CSA010	IOP	04-011	617	I CSA010	B6/E1		
CSA010	PC01	04-048	301	O CSA0	B8/E1		
CSA020	IOP	04-011	618	I CSA020	B6/E1		
CSA020	PC02	04-056	301	O CSA0	B9/E0		
CSA030	IOP	04-011	619	I CSA030	B6/E1		
CSA030	PC03	04-064	301	O CSA0	B10/E0		
CSA100	IOP	04-011	216	I CSA100	B6/E1		
CSA100	PC10	04-072	301	O CSA0	B11/E0		
CSA110	IOP	04-011	217	I CSA110	B6/E1		
CSA110	PC11	04-080	301	O CSA0	B12/E0		
CSA120	IOP	04-011	218	I CSA120	B6/E1		
CSA120	PC12	04-088	301	O CSA0	B13/E1		
CSA130	IOP	04-011	219	I CSA130	B6/E1		

13 LEAD INDEX (CONTINUED)							
LDESIG	FDESIG	ELI EQL	TRMNO	FN TRMMOD	SYMLOC	XT	
D1_OOSN	DFCA	04-180	439	I OOSN	B3/E0	*	
D1_OOSP	DFCA	04-180	539	I OOSP	B3/E0	*	
D1_PA	DFCA	04-180	555	O PA	B3/E0	*	
D1_PAR	DFCA	04-180	455	O PAR	B3/E0	*	
D1_RQIPN	DFCA	04-180	440	I RQIPN	B3/E0	*	
D1_RQIPP	DFCA	04-180	540	I RQIPP	B3/E0	*	
D1_SCXN	DFCA	04-180	441	O SCXN	B3/E0	*	
D1_SCXP	DFCA	04-180	541	O SCXP	B3/E0	*	
D1_SCYN	DFCA	04-180	442	O SCYN	B3/E0	*	
D1_SCYP	DFCA	04-180	542	O SCYP	B3/E0	*	
D9_MJ	PC01	04-048	554	O MJ	B8/E1	*	
D9_MJR	PC01	04-048	454	O MJR	B8/E1	*	
D9_OOSN	PC01	04-048	439	I OOSN	B8/E1	*	
D9_OOSP	PC01	04-048	539	I OOSP	B8/E1	*	
D9_PA	PC01	04-048	555	O PA	B8/E1	*	
D9_PAR	PC01	04-048	455	O PAR	B8/E1	*	
D9_RQIPN	PC01	04-048	440	I RQIPN	B8/E1	*	
D9_RQIPP	PC01	04-048	540	I RQIPP	B8/E1	*	
D9_SCXN	PC01	04-048	441	O SCXN	B8/E1	*	
D9_SCXP	PC01	04-048	541	O SCXP	B8/E1	*	
D9_SCYN	PC01	04-048	442	O SCYN	B8/E1	*	
D9_SCYP	PC01	04-048	542	O SCYP	B8/E1	*	
DAH00N	IOP	04-011	410	IO DAH00BN	B6/E1	*	
DAH00P	IOP	04-011	509	IO DAH00BP	B6/E1	*	
DAH01N	IOP	04-011	610	IO DAH01BN	B6/E1	*	
DAH01P	IOP	04-011	709	IO DAH01BP	B6/E1	*	
DAH0N	DFCA	04-180	010	IO DAH0BN	B3/E0	*	
DAH0P	DFCA	04-180	109	IO DAH0BP	B3/E0	*	
DAH1N	DFCA	04-180	023	IO DAH1BN	B3/E0	*	
DAH1P	DFCA	04-180	122	IO DAH1BP	B3/E0	*	
DAL00N	IOP	04-011	409	IO DAL00BN	B6/E1	*	
DAL00P	IOP	04-011	508	IO DAL00BP	B6/E1	*	
DAL01N	IOP	04-011	609	IO DAL01BN	B6/E1	*	
DAL01P	IOP	04-011	708	IO DAL01BP	B6/E1	*	
DAL0N	DFCA	04-180	009	IO DAL0BN	B3/E0	*	
DAL0P	DFCA	04-180	108	IO DAL0BP	B3/E0	*	
DAL1N	DFCA	04-180	022	IO DAL1BN	B3/E0	*	
DAL1P	DFCA	04-180	121	IO DAL1BP	B3/E0	*	
DCALM0	DFCA	04-180	236	I PAABIO	B3/E0	*	
DCALM0	CONVH	04-190	014	O ALM0	B5/F3		
DIFSENSX	04-062	04-062	010	I	B23/F6	*	
DIFSENSX	04-070	04-070	010	I	B23/F5	*	
DIFSENSX	04-094	04-094	010	I	B23/F8	*	
DIFSENSX	04-138	04-138	010	I	B23/F3	*	
DIFSENSX	04-170	04-170	010	I	B23/F1	*	
DIFSENSX	DFCA	04-180	210	I DIFSENBL	B3/E0	*	
DIFSENSY	04-046	04-046	010	I	B24/F8	*	
DIFSENSY	04-054	04-054	010	I	B24/F6	*	
DIFSENSY	04-086	04-086	010	I	B24/F4	*	
DIFSENSY	04-122	04-122	010	I	B24/F3	*	
DIFSENSY	04-154	04-154	010	I	B24/F1	*	
DIFSENSY	DFCA	04-180	410	I DIFSENAL	B3/E0	*	
DINTA0	DFCA	04-180	336	I CPPIO	B3/E0	*	
DINTA0	CONVH	04-190	012	IO INT	B5/F3		

14 LEAD INDEX (CONTINUED)							
LDESIG	FDESIG	ELI EQL	TRMNO	FN TRMMOD	SYMLOC	XT	
DINTA10	DFCB	04-172	324	G GND	B4/E2		
DINTA10	CONVH	04-190	112	IO INT	B5/F3		
DIP0	DFCB	04-172	143	O DIPO	B4/E2		
DIP0	DFCA	04-180	338	I DIPI0	B3/E0		
DMA0001	IOP	04-011	635	O DMA0001	B6/E1		
DMA0001	PC00	04-040	311	I DMA001	B7/E1		
DMA0001	PC01	04-048	311	I DMA001	B8/E1		
DMA0001	PC02	04-056	311	I DMA001	B9/E0		
DMA0001	PC03	04-064	311	I DMA001	B10/E0		
DMA0011	IOP	04-011	735	O DMA00101	B6/E1		
DMA0011	PC00	04-040	211	I DMA011	B7/E1		
DMA0011	PC01	04-048	211	I DMA011	B8/E1		
DMA0011	PC02	04-056	211	I DMA011	B9/E0		
DMA0011	PC03	04-064	211	I DMA011	B10/E0		
DMA0021	IOP	04-011	636	O DMA00201	B6/E1		
DMA0021	PC00	04-040	011	I DMA021	B7/E1		
DMA0021	PC01	04-048	011	I DMA021	B8/E1		
DMA0021	PC02	04-056	011	I DMA021	B9/E0		
DMA0021	PC03	04-064	011	I DMA021	B10/E0		
DMA0031	IOP	04-011	736	O DMA00301	B6/E1		
DMA0031	PC00	04-040	014	I DMA031	B7/E1		
DMA0031	PC01	04-048	014	I DMA031	B8/E1		
DMA0031	PC02	04-056	014	I DMA031	B9/E0		
DMA0031	PC03	04-064	014	I DMA031	B10/E0		
DMA0041	IOP	04-011	637	O DMA00401	B6/E1		
DMA0041	PC00	04-040	013	I DMA041	B7/E1		
DMA0041	PC01	04-048	013	I DMA041	B8/E1		
DMA0041	PC02	04-056	013	I DMA041	B9/E0		
DMA0041	PC03	04-064	013	I DMA041	B10/E0		
DMA0051	IOP	04-011	737	O DMA00501	B6/E1		
DMA0051	PC00	04-040	213	I DMA051	B7/E1		
DMA0051	PC01	04-048	213	I DMA051	B8/E1		
DMA0051	PC02	04-056	213	I DMA051	B9/E0		
DMA0051	PC03	04-064	213	I DMA051	B10/E0		
DMA0061	IOP	04-011	638	O DMA00601	B6/E1		
DMA0061	PC00	04-040	313	I DMA061	B7/E1		
DMA0061	PC01	04-048	313	I DMA061	B8/E1		
DMA0061	PC02	04-056	313	I DMA061	B9/E0		
DMA0061	PC03	04-064	313	I DMA061	B10/E0		
DMA0071	IOP	04-011	738	O DMA00701	B6/E1		
DMA0071	PC00	04-040	016	I DMA071	B7/E1		
DMA0071	PC01	04-048	016	I DMA071	B8/E1		
DMA0071	PC02	04-056	016	I DMA071	B9/E0		
DMA0071	PC03	04-064	016	I DMA071	B10/E0		
DMA0081	IOP	04-011	639	O DMA00801	B6/E1		
DMA0081	PC00	04-040	015	I DMA081	B7/E1		
DMA0081	PC01	04-048	015	I DMA081	B8/E1		
DMA0081	PC02	04-056	015	I DMA081	B9/E0		
DMA0081	PC03	04-064	015	I DMA081	B10/E0		
DMA0091	IOP	04-011	739	O DMA00901	B6/E1		
DMA0091	PC00	04-040	215	I DMA091	B7/E1		
DMA0091	PC01	04-048	215	I DMA091	B8/E1		
DMA0091	PC02	04-056	215	I DMA091	B9/E0		
DMA0091	PC03	04-064	215	I DMA091	B10/E0		
DMA0101	IOP	04-011	640	O DMA01001	B6/E1		
DMA0101	PC00	04-040	315	I DMA101	B7/E1		
DMA0101	PC01	04-048	315	I DMA101	B8/E1		
DMA0101	PC02	04-056	315	I DMA101	B9/E0		
DMA0101	PC03	04-064	315	I DMA101	B10/E0		
DMA0111	IOP	04-011	740	O DMA01101	B6/E1		
DMA0111	PC00	04-040	217	I DMA111	B7/E1		
DMA0111	PC01	04-048	217	I DMA111	B8/E1		
DMA0111	PC02	04-056	217	I DMA111	B9/E0		
DMA0111	PC03	04-064	217	I DMA111	B10/E0		
DMA0121	IOP	04-011	641	O DMA01201	B6/E1		
DMA0121	PC00	04-040	017	I DMA121	B7/E1		
DMA0121	PC01	04-048	017	I DMA121	B8/E1		
DMA0121	PC02	04-056	017	I DMA121	B9/E0		
DMA0121	PC03	04-064	017	I DMA121	B10/E0		
DMA0131	IOP	04-011	741	O DMA01301	B6/E1		
DMA0131	PC00	04-040	118	I DMA131	B7/E1		
DMA0131	PC01	04-048	118	I DMA131	B8/E1		
DMA0131	PC02	04-056	118	I DMA131	B9/E0		
DMA0131	PC03	04-064	118	I DMA131	B10/E0		
DMA0141	IOP	04-011	642	O DMA01401	B6/E1		
DMA0141	PC00	04-040	018	I DMA141	B7/E1		
DMA0141	PC01	04-048	018	I DMA141	B8/E1		
DMA0141	PC02	04-056	018	I DMA141	B9/E0		
DMA0141	PC03	04-064	018	I DMA141	B10/E0		

15 LEAD INDEX (CONTINUED)							
LDESIG	FDESIG	ELI EQL	TRMNO	FN TRMMOD	SYMLOC	XT	
DMA0151	IOP	04-011	742	O DMA01501	B6/E1		
DMA0151	PC00	04-040	218	I DMA151	B7/E1		
DMA0151	PC01	04-048	218	I DMA151	B8/E1		
DMA0151	PC02	04-056	218	I DMA151	B9/E0		
DMA0151	PC03	04-064	218	I DMA151	B10/E0		
DMA1001	IOP	04-011	235	O DMA10001	B6/E1		
DMA1001	PC10	04-072	311	I DMA001	B11/E0		
DMA1001	PC11	04-080	311	I DMA001	B12/E0		
DMA1001	PC12	04-088	311	I DMA001	B13/E1		
DMA1001	PC13	04-096	311	I DMA001	B14/E1		
DMA1011	IOP	04-011	335	O DMA10101	B6/E1		
DMA1011	PC10	04-072	211	I DMA011	B11/E0		
DMA1011	PC11	04-080	211	I DMA011	B12/E0		
DMA1011	PC12	04-088	211	I DMA011	B13/E1		
DMA1011	PC13	04-096	211	I DMA011	B14/E1		
DMA1021	IOP	04-011	236	O DMA10201	B6/E1		
DMA1021	PC10	04-072	011	I DMA021	B11/E0		
DMA1021	PC11	04-080	011	I DMA021	B12/E0		
DMA1021	PC12	04-088	011	I DMA021	B13/E1		
DMA1021	PC13	04-096	011	I DMA021	B14/E1		
DMA1031	IOP	04-011	336	O DMA10301	B6/E1		
DMA1031	PC10	04-072	014	I DMA031	B11/E0		
DMA1031	PC11	04-080	014	I DMA031	B12/E0		
DMA1031	PC12	04-088	014	I DMA031	B13/E1		
DMA1031	PC13	04-096	014	I DMA031	B14/E1		
DMA1041	IOP	04-011	237	O DMA10401	B6/E1		
DMA1041	PC10	04-072	013	I DMA041	B11/E0		
DMA1041	PC11	04-080	013	I DMA041	B12/E0		
DMA1041	PC12	04-088	013	I DMA041	B13/E1		
DMA1041	PC13	04-096	013	I DMA041	B14/E1		
DMA1051	IOP	04-011	337	O DMA10501	B6/E1		
DMA1051	PC10	04-072	213	I DMA051	B11/E0		
DMA1051	PC11	04-080	213	I DMA051	B12/E0		
DMA1051	PC12	04-088	213	I DMA051	B13/E1		
DMA1051	PC13	04-096	213	I DMA051	B14/E1		
DMA1061	IOP	04-011	238	O DMA10601	B6/E1		
DMA1061	PC10	04-072	313	I DMA061	B11/E0		
DMA1061	PC11	04-080	313	I DMA061	B12/E0		
DMA1061	PC12	04-088	313	I DMA061	B13/E1		
DMA1061	PC13	04-096	313	I DMA061	B14/E1		
DMA1071	IOP	04-011	338	O DMA10701	B6/E1		
DMA1071	PC10	04-072	016	I DMA071	B11/E0		
DMA1071	PC11	04-080	016	I DMA071	B12/E0		
DMA1071	PC12	04-088	016	I DMA071	B13/E1		
DMA1071	PC13	04-096	016	I DMA071	B14/E1		
DMA1081	IOP	04-011	239	O DMA10801	B6/E1		
DMA1081	PC10						

16 LEAD INDEX (CONTINUED)							
LDESIG	FDESIG	ELI	EQL	TRMNO	FN TRMMOD	SYMLOC	XT
DMA1111	PC12	04-088	217	I	DMA111	B13/E1	
DMA1111	PC13	04-096	217	I	DMA111	B14/E1	
DMA1121	IOP	04-011	241	O	DMA11201	B6/E1	
DMA1121	PC10	04-072	017	I	DMA121	B11/E0	
DMA1121	PC11	04-080	017	I	DMA121	B12/E0	
DMA1121	PC12	04-088	017	I	DMA121	B13/E1	
DMA1121	PC13	04-096	017	I	DMA121	B14/E1	
DMA1131	IOP	04-011	341	O	DMA11301	B6/E1	
DMA1131	PC10	04-072	118	I	DMA131	B11/E0	
DMA1131	PC11	04-080	118	I	DMA131	B12/E0	
DMA1131	PC12	04-088	118	I	DMA131	B13/E1	
DMA1131	PC13	04-096	118	I	DMA131	B14/E1	
DMA1141	IOP	04-011	242	O	DMA11401	B6/E1	
DMA1141	PC10	04-072	018	I	DMA141	B11/E0	
DMA1141	PC11	04-080	018	I	DMA141	B12/E0	
DMA1141	PC12	04-088	018	I	DMA141	B13/E1	
DMA1141	PC13	04-096	018	I	DMA141	B14/E1	
DMA1151	IOP	04-011	342	O	DMA11501	B6/E1	
DMA1151	PC10	04-072	218	I	DMA151	B11/E0	
DMA1151	PC11	04-080	218	I	DMA151	B12/E0	
DMA1151	PC12	04-088	218	I	DMA151	B13/E1	
DMA1151	PC13	04-096	218	I	DMA151	B14/E1	
DMA2001	IOP	04-011	435	O	DMA20001	B6/E1	
DMA2001	PC20	04-108	311	I	DMA001	B15/E1	
DMA2001	PC21	04-116	311	I	DMA001	B16/E1	
DMA2001	PC22	04-124	311	I	DMA001	B17/E1	
DMA2001	PC23	04-132	311	I	DMA001	B18/E1	
DMA2011	IOP	04-011	535	O	DMA20101	B6/E1	
DMA2011	PC20	04-108	211	I	DMA011	B15/E1	
DMA2011	PC21	04-116	211	I	DMA011	B16/E1	
DMA2011	PC22	04-124	211	I	DMA011	B17/E1	
DMA2011	PC23	04-132	211	I	DMA011	B18/E1	
DMA2021	IOP	04-011	436	O	DMA20201	B6/E1	
DMA2021	PC20	04-108	011	I	DMA021	B15/E1	
DMA2021	PC21	04-116	011	I	DMA021	B16/E1	
DMA2021	PC22	04-124	011	I	DMA021	B17/E1	
DMA2021	PC23	04-132	011	I	DMA021	B18/E1	
DMA2031	IOP	04-011	536	O	DMA20301	B6/E1	
DMA2031	PC20	04-108	014	I	DMA031	B15/E1	
DMA2031	PC21	04-116	014	I	DMA031	B16/E1	
DMA2031	PC22	04-124	014	I	DMA031	B17/E1	
DMA2031	PC23	04-132	014	I	DMA031	B18/E1	
DMA2041	IOP	04-011	437	O	DMA20401	B6/E1	
DMA2041	PC20	04-108	013	I	DMA041	B15/E1	
DMA2041	PC21	04-116	013	I	DMA041	B16/E1	
DMA2041	PC22	04-124	013	I	DMA041	B17/E1	
DMA2041	PC23	04-132	013	I	DMA041	B18/E1	
DMA2051	IOP	04-011	537	O	DMA20501	B6/E1	
DMA2051	PC20	04-108	213	I	DMA051	B15/E1	
DMA2051	PC21	04-116	213	I	DMA051	B16/E1	
DMA2051	PC22	04-124	213	I	DMA051	B17/E1	
DMA2051	PC23	04-132	213	I	DMA051	B18/E1	
DMA2061	IOP	04-011	438	O	DMA20601	B6/E1	
DMA2061	PC20	04-108	313	I	DMA061	B15/E1	
DMA2061	PC21	04-116	313	I	DMA061	B16/E1	
DMA2061	PC22	04-124	313	I	DMA061	B17/E1	
DMA2061	PC23	04-132	313	I	DMA061	B18/E1	
DMA2071	IOP	04-011	538	O	DMA20701	B6/E1	
DMA2071	PC20	04-108	016	I	DMA071	B15/E1	
DMA2071	PC21	04-116	016	I	DMA071	B16/E1	
DMA2071	PC22	04-124	016	I	DMA071	B17/E1	
DMA2071	PC23	04-132	016	I	DMA071	B18/E1	
DMA2081	IOP	04-011	439	O	DMA20801	B6/E1	
DMA2081	PC20	04-108	015	I	DMA081	B15/E1	
DMA2081	PC21	04-116	015	I	DMA081	B16/E1	
DMA2081	PC22	04-124	015	I	DMA081	B17/E1	
DMA2081	PC23	04-132	015	I	DMA081	B18/E1	
DMA2091	IOP	04-011	539	O	DMA20901	B6/E1	
DMA2091	PC20	04-108	215	I	DMA091	B15/E1	
DMA2091	PC21	04-116	215	I	DMA091	B16/E1	
DMA2091	PC22	04-124	215	I	DMA091	B17/E1	
DMA2091	PC23	04-132	215	I	DMA091	B18/E1	
DMA2101	IOP	04-011	440	O	DMA21001	B6/E1	
DMA2101	PC20	04-108	315	I	DMA101	B15/E1	
DMA2101	PC21	04-116	315	I	DMA101	B16/E1	
DMA2101	PC22	04-124	315	I	DMA101	B17/E1	
DMA2101	PC23	04-132	315	I	DMA101	B18/E1	
DMA2111	IOP	04-011	540	O	DMA21101	B6/E1	
DMA2111	PC20	04-108	217	I	DMA111	B15/E1	

17 LEAD INDEX (CONTINUED)							
LDESIG	FDESIG	ELI	EQL	TRMNO	FN TRMMOD	SYMLOC	XT
DMA2111	PC21	04-116	217	I	DMA111	B16/E1	
DMA2111	PC22	04-124	217	I	DMA111	B17/E1	
DMA2111	PC23	04-132	217	I	DMA111	B18/E1	
DMA2121	IOP	04-011	441	O	DMA21201	B6/E1	
DMA2121	PC20	04-108	017	I	DMA121	B15/E1	
DMA2121	PC21	04-116	017	I	DMA121	B16/E1	
DMA2121	PC22	04-124	017	I	DMA121	B17/E1	
DMA2121	PC23	04-132	017	I	DMA121	B18/E1	
DMA2131	IOP	04-011	541	O	DMA21301	B6/E1	
DMA2131	PC20	04-108	118	I	DMA131	B15/E1	
DMA2131	PC21	04-116	118	I	DMA131	B16/E1	
DMA2131	PC22	04-124	118	I	DMA131	B17/E1	
DMA2131	PC23	04-132	118	I	DMA131	B18/E1	
DMA2141	IOP	04-011	442	O	DMA21401	B6/E1	
DMA2141	PC20	04-108	018	I	DMA141	B15/E1	
DMA2141	PC21	04-116	018	I	DMA141	B16/E1	
DMA2141	PC22	04-124	018	I	DMA141	B17/E1	
DMA2141	PC23	04-132	018	I	DMA141	B18/E1	
DMA2151	IOP	04-011	542	O	DMA21501	B6/E1	
DMA2151	PC20	04-108	218	I	DMA151	B15/E1	
DMA2151	PC21	04-116	218	I	DMA151	B16/E1	
DMA2151	PC22	04-124	218	I	DMA151	B17/E1	
DMA2151	PC23	04-132	218	I	DMA151	B18/E1	
DMA3001	IOP	04-011	035	O	DMA30001	B6/E1	
DMA3001	PC30	04-140	311	I	DMA001	B19/E1	
DMA3001	PC31	04-148	311	I	DMA001	B20/E1	
DMA3001	PC32	04-156	311	I	DMA001	B21/E1	
DMA3001	PC33	04-164	311	I	DMA001	B22/E1	
DMA3011	IOP	04-011	135	O	DMA30101	B6/E1	
DMA3011	PC30	04-140	211	I	DMA011	B19/E1	
DMA3011	PC31	04-148	211	I	DMA011	B20/E1	
DMA3011	PC32	04-156	211	I	DMA011	B21/E1	
DMA3011	PC33	04-164	211	I	DMA011	B22/E1	
DMA3021	IOP	04-011	036	O	DMA30201	B6/E1	
DMA3021	PC30	04-140	011	I	DMA021	B19/E1	
DMA3021	PC31	04-148	011	I	DMA021	B20/E1	
DMA3021	PC32	04-156	011	I	DMA021	B21/E1	
DMA3021	PC33	04-164	011	I	DMA021	B22/E1	
DMA3031	IOP	04-011	136	O	DMA30301	B6/E1	
DMA3031	PC30	04-140	014	I	DMA031	B19/E1	
DMA3031	PC31	04-148	014	I	DMA031	B20/E1	
DMA3031	PC32	04-156	014	I	DMA031	B21/E1	
DMA3031	PC33	04-164	014	I	DMA031	B22/E1	
DMA3041	IOP	04-011	037	O	DMA30401	B6/E1	
DMA3041	PC30	04-140	013	I	DMA041	B19/E1	
DMA3041	PC31	04-148	013	I	DMA041	B20/E1	
DMA3041	PC32	04-156	013	I	DMA041	B21/E1	
DMA3041	PC33	04-164	013	I	DMA041	B22/E1	
DMA3051	IOP	04-011	137	O	DMA30501	B6/E1	
DMA3051	PC30	04-140	213	I	DMA051	B19/E1	
DMA3051	PC31	04-148	213	I	DMA051	B20/E1	
DMA3051	PC32	04-156	213	I	DMA051	B21/E1	
DMA3051	PC33	04-164	213	I	DMA051	B22/E1	
DMA3061	IOP	04-011	038	O	DMA30601	B6/E1	
DMA3061	PC30	04-140	313	I	DMA061	B19/E1	
DMA3061	PC31	04-148	313	I	DMA061	B20/E1	
DMA3061	PC32	04-156	313	I	DMA061	B21/E1	
DMA3061	PC33	04-164	313	I	DMA061	B22/E1	
DMA3071	IOP	04-011	138	O	DMA30701	B6/E1	
DMA3071	PC30	04-140	016	I	DMA071	B19/E1	
DMA3071	PC31	04-148	016	I	DMA071	B20/E1	
DMA3071	PC32	04-156	016	I	DMA071	B21/E1	
DMA3071	PC33	04-164	016	I	DMA071	B22/E1	
DMA3081	IOP	04-011	039	O	DMA30801	B6/E1	
DMA3081	PC30	04-140	015	I	DMA081	B19/E1	
DMA3081	PC31	04-148	015	I	DMA081	B20/E1	
DMA3081	PC32	04-156	015	I	DMA081	B21/E1	
DMA3081	PC33	04-164	015	I	DMA081	B22/E1	
DMA3091	IOP	04-011	139	O	DMA30901	B6/E1	
DMA3091	PC30	04-140	215	I	DMA091	B19/E1	
DMA3091	PC31	04-148	215	I	DMA091	B20/E1	
DMA3091	PC32	04-156	215	I	DMA091	B21/E1	
DMA3091	PC33	04-164	215	I	DMA091	B22/E1	
DMA3101	IOP	04-011	040	O	DMA31001	B6/E1	
DMA3101	PC30	04-140	315	I	DMA101	B19/E1	
DMA3101	PC31	04-148	315	I	DMA101	B20/E1	
DMA3101	PC32	04-156	315	I	DMA101	B21/E1	
DMA3101	PC33	04-164	315	I	DMA101	B22/E1	
DMA3111	IOP	04-011	140	O	DMA31101	B6/E1	

18 LEAD INDEX (CONTINUED)							
LDESIG	FDESIG	ELI	EQL	TRMNO	FN TRMMOD	SYMLOC	XT
DMA3111	PC30	04-140	217	I	DMA111	B19/E1	
DMA3111	PC31	04-148	217	I	DMA111	B20/E1	
DMA3111	PC32	04-156	217	I	DMA111	B21/E1	
DMA3111	PC33	04-164	217	I	DMA111	B22/E1	
DMA3121	IOP	04-011	041	O	DMA31201	B6/E1	
DMA3121	PC30	04-140	017	I	DMA121	B19/E1	
DMA3121	PC31	04-148	017	I	DMA121	B20/E1	
DMA3121	PC32	04-156	017	I	DMA121	B21/E1	
DMA3121	PC33	04-164	017	I	DMA121	B22/E1	
DMA3131	IOP	04-011	141	O	DMA31301	B6/E1	
DMA3131	PC30	04-140	118	I	DMA131	B19/E1	
DMA3131	PC31	04-148	118	I	DMA131	B20/E1	
DMA3131	PC32	04-156	118	I	DMA131	B21/E1	
DMA3131	PC33	04-164	118	I	DMA131	B22/E1	
DMA3141	IOP	04-011	042	O	DMA31401		

19 LEAD INDEX (CONTINUED)							
LDESIG	FDESIG	ELI	EQL	TRMNO	FN TRMMOD	SYMLOC	XT
DMAD071	PC03		04-064	310	IO DMAD071	B10/E0	
DMAD0P1	IOP		04-011	752	IO DMAD0P1	B6/E1	
DMAD0P1	PC00		04-040	110	IO DMAD0P1	B7/E1	
DMAD0P1	PC01		04-048	110	IO DMAD0P1	B8/E1	
DMAD0P1	PC02		04-056	110	IO DMAD0P1	B9/E0	
DMAD0P1	PC03		04-064	110	IO DMAD0P1	B10/E0	
DMAD101	IOP		04-011	348	IO DMAD101	B6/E1	
DMAD101	PC10		04-072	007	IO DMAD101	B11/E0	
DMAD101	PC11		04-080	007	IO DMAD101	B12/E0	
DMAD101	PC12		04-088	007	IO DMAD101	B13/E1	
DMAD101	PC13		04-096	007	IO DMAD101	B14/E1	
DMAD111	IOP		04-011	248	IO DMAD111	B6/E1	
DMAD111	PC10		04-072	307	IO DMAD111	B11/E0	
DMAD111	PC11		04-080	307	IO DMAD111	B12/E0	
DMAD111	PC12		04-088	307	IO DMAD111	B13/E1	
DMAD111	PC13		04-096	307	IO DMAD111	B14/E1	
DMAD121	IOP		04-011	349	IO DMAD121	B6/E1	
DMAD121	PC10		04-072	008	IO DMAD121	B11/E0	
DMAD121	PC11		04-080	008	IO DMAD121	B12/E0	
DMAD121	PC12		04-088	008	IO DMAD121	B13/E1	
DMAD121	PC13		04-096	008	IO DMAD121	B14/E1	
DMAD131	IOP		04-011	249	IO DMAD131	B6/E1	
DMAD131	PC10		04-072	308	IO DMAD131	B11/E0	
DMAD131	PC11		04-080	308	IO DMAD131	B12/E0	
DMAD131	PC12		04-088	308	IO DMAD131	B13/E1	
DMAD131	PC13		04-096	308	IO DMAD131	B14/E1	
DMAD141	IOP		04-011	350	IO DMAD141	B6/E1	
DMAD141	PC10		04-072	208	IO DMAD141	B11/E0	
DMAD141	PC11		04-080	208	IO DMAD141	B12/E0	
DMAD141	PC12		04-088	208	IO DMAD141	B13/E1	
DMAD141	PC13		04-096	208	IO DMAD141	B14/E1	
DMAD151	IOP		04-011	250	IO DMAD151	B6/E1	
DMAD151	PC10		04-072	309	IO DMAD151	B11/E0	
DMAD151	PC11		04-080	309	IO DMAD151	B12/E0	
DMAD151	PC12		04-088	309	IO DMAD151	B13/E1	
DMAD151	PC13		04-096	309	IO DMAD151	B14/E1	
DMAD161	IOP		04-011	351	IO DMAD161	B6/E1	
DMAD161	PC10		04-072	009	IO DMAD161	B11/E0	
DMAD161	PC11		04-080	009	IO DMAD161	B12/E0	
DMAD161	PC12		04-088	009	IO DMAD161	B13/E1	
DMAD161	PC13		04-096	009	IO DMAD161	B14/E1	
DMAD171	IOP		04-011	251	IO DMAD171	B6/E1	
DMAD171	PC10		04-072	310	IO DMAD171	B11/E0	
DMAD171	PC11		04-080	310	IO DMAD171	B12/E0	
DMAD171	PC12		04-088	310	IO DMAD171	B13/E1	
DMAD171	PC13		04-096	310	IO DMAD171	B14/E1	
DMAD1P1	IOP		04-011	352	IO DMAD1P1	B6/E1	
DMAD1P1	PC10		04-072	110	IO DMAD0P1	B11/E0	
DMAD1P1	PC11		04-080	110	IO DMAD0P1	B12/E0	
DMAD1P1	PC12		04-088	110	IO DMAD0P1	B13/E1	
DMAD1P1	PC13		04-096	110	IO DMAD0P1	B14/E1	
DMAD201	IOP		04-011	548	IO DMAD201	B6/E1	
DMAD201	PC20		04-108	007	IO DMAD001	B15/E1	
DMAD201	PC21		04-116	007	IO DMAD001	B16/E1	
DMAD201	PC22		04-124	007	IO DMAD001	B17/E1	
DMAD201	PC23		04-132	007	IO DMAD001	B18/E1	
DMAD211	IOP		04-011	448	IO DMAD211	B6/E1	
DMAD211	PC20		04-108	307	IO DMAD011	B15/E1	
DMAD211	PC21		04-116	307	IO DMAD011	B16/E1	
DMAD211	PC22		04-124	307	IO DMAD011	B17/E1	
DMAD211	PC23		04-132	307	IO DMAD011	B18/E1	
DMAD221	IOP		04-011	549	IO DMAD221	B6/E1	
DMAD221	PC20		04-108	008	IO DMAD021	B15/E1	
DMAD221	PC21		04-116	008	IO DMAD021	B16/E1	
DMAD221	PC22		04-124	008	IO DMAD021	B17/E1	
DMAD221	PC23		04-132	008	IO DMAD021	B18/E1	
DMAD231	IOP		04-011	449	IO DMAD231	B6/E1	
DMAD231	PC20		04-108	308	IO DMAD031	B15/E1	
DMAD231	PC21		04-116	308	IO DMAD031	B16/E1	
DMAD231	PC22		04-124	308	IO DMAD031	B17/E1	
DMAD231	PC23		04-132	308	IO DMAD031	B18/E1	
DMAD241	IOP		04-011	550	IO DMAD241	B6/E1	
DMAD241	PC20		04-108	208	IO DMAD041	B15/E1	
DMAD241	PC21		04-116	208	IO DMAD041	B16/E1	
DMAD241	PC22		04-124	208	IO DMAD041	B17/E1	
DMAD241	PC23		04-132	208	IO DMAD041	B18/E1	
DMAD251	IOP		04-011	450	IO DMAD251	B6/E1	
DMAD251	PC20		04-108	309	IO DMAD051	B15/E1	
DMAD251	PC21		04-116	309	IO DMAD051	B16/E1	

20 LEAD INDEX (CONTINUED)							
LDESIG	FDESIG	ELI	EQL	TRMNO	FN TRMMOD	SYMLOC	XT
DMAD251	PC22		04-124	309	IO DMAD051	B17/E1	
DMAD251	PC23		04-132	309	IO DMAD051	B18/E1	
DMAD261	IOP		04-011	551	IO DMAD261	B6/E1	
DMAD261	PC20		04-108	009	IO DMAD061	B15/E1	
DMAD261	PC21		04-116	009	IO DMAD061	B16/E1	
DMAD261	PC22		04-124	009	IO DMAD061	B17/E1	
DMAD261	PC23		04-132	009	IO DMAD061	B18/E1	
DMAD271	IOP		04-011	451	IO DMAD271	B6/E1	
DMAD271	PC20		04-108	310	IO DMAD071	B15/E1	
DMAD271	PC21		04-116	310	IO DMAD071	B16/E1	
DMAD271	PC22		04-124	310	IO DMAD071	B17/E1	
DMAD271	PC23		04-132	310	IO DMAD071	B18/E1	
DMAD2P1	IOP		04-011	552	IO DMAD2P1	B6/E1	
DMAD2P1	PC20		04-108	110	IO DMAD081	B15/E1	
DMAD2P1	PC21		04-116	110	IO DMAD081	B16/E1	
DMAD2P1	PC22		04-124	110	IO DMAD081	B17/E1	
DMAD2P1	PC23		04-132	110	IO DMAD081	B18/E1	
DMAD301	IOP		04-011	148	IO DMAD301	B6/E1	
DMAD301	PC30		04-140	007	IO DMAD001	B19/E1	
DMAD301	PC31		04-148	007	IO DMAD001	B20/E1	
DMAD301	PC32		04-156	007	IO DMAD001	B21/E1	
DMAD301	PC33		04-164	007	IO DMAD001	B22/E1	
DMAD311	IOP		04-011	048	IO DMAD311	B6/E1	
DMAD311	PC30		04-140	307	IO DMAD011	B19/E1	
DMAD311	PC31		04-148	307	IO DMAD011	B20/E1	
DMAD311	PC32		04-156	307	IO DMAD011	B21/E1	
DMAD311	PC33		04-164	307	IO DMAD011	B22/E1	
DMAD321	IOP		04-011	149	IO DMAD321	B6/E1	
DMAD321	PC30		04-140	008	IO DMAD021	B19/E1	
DMAD321	PC31		04-148	008	IO DMAD021	B20/E1	
DMAD321	PC32		04-156	008	IO DMAD021	B21/E1	
DMAD321	PC33		04-164	008	IO DMAD021	B22/E1	
DMAD331	IOP		04-011	049	IO DMAD331	B6/E1	
DMAD331	PC30		04-140	308	IO DMAD031	B19/E1	
DMAD331	PC31		04-148	308	IO DMAD031	B20/E1	
DMAD331	PC32		04-156	308	IO DMAD031	B21/E1	
DMAD331	PC33		04-164	308	IO DMAD031	B22/E1	
DMAD341	IOP		04-011	150	IO DMAD341	B6/E1	
DMAD341	PC30		04-140	208	IO DMAD041	B19/E1	
DMAD341	PC31		04-148	208	IO DMAD041	B20/E1	
DMAD341	PC32		04-156	208	IO DMAD041	B21/E1	
DMAD341	PC33		04-164	208	IO DMAD041	B22/E1	
DMAD351	IOP		04-011	050	IO DMAD351	B6/E1	
DMAD351	PC30		04-140	309	IO DMAD051	B19/E1	
DMAD351	PC31		04-148	309	IO DMAD051	B20/E1	
DMAD351	PC32		04-156	309	IO DMAD051	B21/E1	
DMAD351	PC33		04-164	309	IO DMAD051	B22/E1	
DMAD361	IOP		04-011	151	IO DMAD361	B6/E1	
DMAD361	PC30		04-140	009	IO DMAD061	B19/E1	
DMAD361	PC31		04-148	009	IO DMAD061	B20/E1	
DMAD361	PC32		04-156	009	IO DMAD061	B21/E1	
DMAD361	PC33		04-164	009	IO DMAD061	B22/E1	
DMAD371	IOP		04-011	051	IO DMAD371	B6/E1	
DMAD371	PC30		04-140	310	IO DMAD071	B19/E1	
DMAD371	PC31		04-148	310	IO DMAD071	B20/E1	
DMAD371	PC32		04-156	310	IO DMAD071	B21/E1	
DMAD371	PC33		04-164	310	IO DMAD071	B22/E1	
DMAD3P1	IOP		04-011	152	IO DMAD3P1	B6/E1	
DMAD3P1	PC30		04-140	110	IO DMAD081	B19/E1	
DMAD3P1	PC31		04-148	110	IO DMAD081	B20/E1	
DMAD3P1	PC32		04-156	110	IO DMAD081	B21/E1	
DMAD3P1	PC33		04-164	110	IO DMAD081	B22/E1	
DMAOC00	IOP		04-011	718	O DMAOC000	B6/E1	
DMAOC00	PC00		04-040	303	I DMAOC0	B7/E1	
DMAOC00	PC01		04-048	303	I DMAOC0	B8/E1	
DMAOC00	PC02		04-056	303	I DMAOC0	B9/E0	
DMAOC00	PC03		04-064	303	I DMAOC0	B10/E0	
DMAOC10	IOP		04-011	318	O DMAOC100	B6/E1	
DMAOC10	PC10		04-072	303	I DMAOC0	B11/E0	
DMAOC10	PC11		04-080	303	I DMAOC0	B12/E0	
DMAOC10	PC12		04-088	303	I DMAOC0	B13/E1	
DMAOC10	PC13		04-096	303	I DMAOC0	B14/E1	
DMAOC20	IOP		04-011	518	O DMAOC200	B6/E1	
DMAOC20	PC20		04-108	303	I DMAOC0	B15/E1	
DMAOC20	PC21		04-116	303	I DMAOC0	B16/E1	
DMAOC20	PC22		04-124	303	I DMAOC0	B17/E1	
DMAOC20	PC23		04-132	303	I DMAOC0	B18/E1	
DMAOC30	IOP		04-011	118	O DMAOC300	B6/E1	
DMAOC30	PC30		04-140	303	I DMAOC0	B19/E1	

21 LEAD INDEX (CONTINUED)							
LDESIG	FDESIG	ELI	EQL	TRMNO	FN TRMMOD	SYMLOC	XT
DMAOC30	PC31		04-148	303	I DMAOC0	B20/E1	
DMAOC30	PC32		04-156	303	I DMAOC0	B21/E1	
DMAOC30	PC33		04-164	303	I DMAOC0	B22/E1	
DMARD00	IOP		04-011	717	O DMARD000	B6/E1	
DMARD00	PC00		04-040	306	I DMARD0	B7/E1	
DMARD00	PC01		04-048	306	I DMARD0	B8/E1	
DMARD00	PC02		04-056	306	I DMARD0	B9/E0	
DMARD00	PC03		04-064	306	I DMARD0	B10/E0	
DMARD10	IOP		04-011	317	O DMARD100	B6/E1	
DMARD10	PC10		04-072	306	I DMARD0	B11/E0	
DMARD10	PC11		04-080	306	I DMARD0	B12/E0	
DMARD10	PC12		04-088	306	I DMARD0	B13/E1	
DMARD10	PC13		04-096	306	I DMARD0	B14/E1	
DMARD20	IOP		04-011	517	O DMARD200	B6/E1	
DMARD20	PC20		04-108	306	I DMARD0	B15/E1	

22 LEAD INDEX (CONTINUED)							
LDESIG	FDESIG	ELI EQL	TRMNO	FN TRMMOD	SYMLOC	XT	
DPASS0	DFCB	04-172	049	O DPASS00	B4/E2		
DPASS0	DFCA	04-180	239	I DPASS10	B3/E0		
DPWRCLR0	DFCB	04-172	344	IO PWRCLR0	B4/E2		
DPWRCLR0	DFCA	04-180	334	O PWRCLR0	B3/E0		
DREQA1	DFCB	04-172	152	I DREQA1	B4/E2		
DREQA1	DFCA	04-180	249	O DREQA1	B3/E0		
DREQB1	DFCB	04-172	253	I DREQB1	B4/E2		
DREQB1	DFCA	04-180	250	O DREQB1	B3/E0		
DRESPA1	DFCB	04-172	254	O DRESPA1	B4/E2		
DRESPA1	DFCA	04-180	252	I DRESPA1	B3/E0		
DRESPB1	DFCB	04-172	255	O DRESPB1	B4/E2		
DRESPB1	DFCA	04-180	452	I DRESPB1	B3/E0		
ER000	IOP	04-011	601	I ER000	B6/E1		
ER000	PC00	04-040	201	O ERO	B7/E1		
ER010	IOP	04-011	602	I ER010	B6/E1		
ER010	PC01	04-048	201	O ERO	B8/E1		
ER020	IOP	04-011	603	I ER020	B6/E1		
ER020	PC02	04-056	201	O ERO	B9/E0		
ER030	IOP	04-011	604	I ER030	B6/E1		
ER030	PC03	04-064	201	O ERO	B10/E0		
ER100	IOP	04-011	201	I ER100	B6/E1		
ER100	PC10	04-072	201	O ERO	B11/E0		
ER110	IOP	04-011	202	I ER110	B6/E1		
ER110	PC11	04-080	201	O ERO	B12/E0		
ER120	IOP	04-011	203	I ER120	B6/E1		
ER120	PC12	04-088	201	O ERO	B13/E1		
ER130	IOP	04-011	204	I ER130	B6/E1		
ER130	PC13	04-096	201	O ERO	B14/E1		
ER200	IOP	04-011	401	I ER200	B6/E1		
ER200	PC20	04-108	201	O ERO	B15/E1		
ER210	IOP	04-011	402	I ER210	B6/E1		
ER210	PC21	04-116	201	O ERO	B16/E1		
ER220	IOP	04-011	403	I ER220	B6/E1		
ER220	PC22	04-124	201	O ERO	B17/E1		
ER230	IOP	04-011	404	I ER230	B6/E1		
ER230	PC23	04-132	201	O ERO	B18/E1		
ER300	IOP	04-011	001	I ER300	B6/E1		
ER300	PC30	04-140	201	O ERO	B19/E1		
ER310	IOP	04-011	002	I ER310	B6/E1		
ER310	PC31	04-148	201	O ERO	B20/E1		
ER320	IOP	04-011	003	I ER320	B6/E1		
ER320	PC32	04-156	201	O ERO	B21/E1		
ER330	IOP	04-011	004	I ER330	B6/E1		
ER330	PC33	04-164	201	O ERO	B22/E1		
FCD0	DFCB	04-172	044	O FCD00	B4/E2		
FCD0	DFCA	04-180	344	I FCD10	B3/E0		
FFPCKH0	DFCB	04-172	154	O FFPCKH0	B4/E2		
FFPCKH0	DFCA	04-180	104	I FFPCKH10	B3/E0		
FFPCKL0	DFCB	04-172	153	O FFPCKL0	B4/E2		
FFPCKL0	DFCA	04-180	004	I FFPCKL10	B3/E0		
FIFOC0	DFCB	04-172	345	O FIFOC0	B4/E2		
FIFOC0	DFCA	04-180	102	I FIFOC10	B3/E0		
FIFOER0	DFCB	04-172	333	I FIFOER0	B4/E2		
FIFOER0	DFCA	04-180	002	O FIFOER0	B3/E0		
FPWRFO	IOP	04-011	532	O FRCPWFO	B6/E1		
FPWRFO	IOPPS	04-026	333	I FPWRFO	B1/E0		
GND	CONVF	04-006	000	G FR_GND	B2/E5		
GND	CONVF	04-006	001	G FR_GND	B2/E5		
GND	CONVF	04-006	032	P -VOUT1_01	B2/E5		
GND	CONVF	04-006	033	P -VOUT1_02	B2/E5		
GND	CONVF	04-006	034	P -VOUT1_03	B2/E5		
GND	CONVF	04-006	035	P -VOUT1_04	B2/E5		
GND	CONVF	04-006	036	P -VOUT1_05	B2/E5		
GND	CONVF	04-006	037	P -VOUT1_06	B2/E5		
GND	CONVF	04-006	038	P -VOUT1_07	B2/E5		
GND	CONVF	04-006	039	P -VOUT1_08	B2/E5		
GND	CONVF	04-006	040	P -VOUT1_09	B2/E5		

23 LEAD INDEX (CONTINUED)							
LDESIG	FDESIG	ELI EQL	TRMNO	FN TRMMOD	SYMLOC	XT	
GND	CONVF	04-006	041	P -VOUT1_10	B2/E5		
GND	CONVF	04-006	042	P -VOUT1_11	B2/E5		
GND	CONVF	04-006	043	P -VOUT1_12	B2/E5		
GND	CONVF	04-006	100	G FR_GND	B2/E5		
GND	CONVF	04-006	101	G FR_GND	B2/E5		
GND	CONVF	04-006	112	IO INT	B2/E5		
GND	CONVF	04-006	113	O ALM1	B2/E5		
GND	CONVF	04-006	119	I S	B2/E5		
GND	CONVF	04-006	132	P -VOUT1_13	B2/E5		
GND	CONVF	04-006	133	P -VOUT1_14	B2/E5		
GND	CONVF	04-006	134	P -VOUT1_15	B2/E5		
GND	CONVF	04-006	135	P -VOUT1_16	B2/E5		
GND	CONVF	04-006	136	P -VOUT1_17	B2/E5		
GND	CONVF	04-006	137	P -VOUT1_18	B2/E5		
GND	CONVF	04-006	138	P -VOUT1_19	B2/E5		
GND	CONVF	04-006	139	P -VOUT1_20	B2/E5		
GND	CONVF	04-006	140	P -VOUT1_21	B2/E5		
GND	CONVF	04-006	141	P -VOUT1_22	B2/E5		
GND	CONVF	04-006	142	P -VOUT1_23	B2/E5		
GND	CONVF	04-006	143	P -VOUT1_24	B2/E5		
GND	CONVF	04-006	232	P -VOUT1_25	B2/E5		
GND	CONVF	04-006	233	P -VOUT1_26	B2/E5		
GND	CONVF	04-006	234	P -VOUT1_27	B2/E5		
GND	CONVF	04-006	235	P -VOUT1_28	B2/E5		
GND	CONVF	04-006	236	P -VOUT1_29	B2/E5		
GND	CONVF	04-006	237	P -VOUT1_30	B2/E5		
GND	CONVF	04-006	238	P -VOUT1_31	B2/E5		
GND	CONVF	04-006	239	P -VOUT1_32	B2/E5		
GND	CONVF	04-006	240	P -VOUT1_33	B2/E5		
GND	CONVF	04-006	241	P -VOUT1_34	B2/E5		
GND	CONVF	04-006	242	P -VOUT1_35	B2/E5		
GND	CONVF	04-006	243	P -VOUT1_36	B2/E5		
GND	CONVF	04-006	332	P -VOUT1_37	B2/E5		
GND	CONVF	04-006	333	P -VOUT1_38	B2/E5		
GND	CONVF	04-006	334	P -VOUT1_39	B2/E5		
GND	CONVF	04-006	335	P -VOUT1_40	B2/E5		
GND	CONVF	04-006	336	P -VOUT1_41	B2/E5		
GND	CONVF	04-006	337	P -VOUT1_42	B2/E5		
GND	CONVF	04-006	338	P -VOUT1_43	B2/E5		
GND	CONVF	04-006	339	P -VOUT1_44	B2/E5		
GND	CONVF	04-006	340	P -VOUT1_45	B2/E5		
GND	CONVF	04-006	341	P -VOUT1_46	B2/E5		
GND	CONVF	04-006	342	P -VOUT1_47	B2/E5		
GND	CONVF	04-006	343	P -VOUT1_48	B2/E5		
GND	IOP	04-011	006	I ID_VPP	B6/E1		
GND	IOP	04-011	009	G GRD	B6/E1		
GND	IOP	04-011	012	G GRD	B6/E1		
GND	IOP	04-011	015	G GRD	B6/E1		
GND	IOP	04-011	034	G GRD	B6/E1		
GND	IOP	04-011	044	G GRD	B6/E1		
GND	IOP	04-011	047	G GRD	B6/E1		
GND	IOP	04-011	052	G GRD	B6/E1		
GND	IOP	04-011	053	G GRD	B6/E1		
GND	IOP	04-011	100	G GRD	B6/E1		
GND	IOP	04-011	105	G GRD	B6/E1		
GND	IOP	04-011	108	G GRD	B6/E1		
GND	IOP	04-011	111	G GRD	B6/E1		
GND	IOP	04-011	114	G GRD	B6/E1		
GND	IOP	04-011	124	G GRD	B6/E1		
GND	IOP	04-011	132	G GRD	B6/E1		
GND	IOP	04-011	133	G GRD	B6/E1		
GND	IOP	04-011	143	G GRD	B6/E1		
GND	IOP	04-011	146	G GRD	B6/E1		
GND	IOP	04-011	153	G GRD	B6/E1		
GND	IOP	04-011	156	G GRD	B6/E1		
GND	IOP	04-011	206	G GRD	B6/E1		
GND	IOP	04-011	209	G GRD	B6/E1		
GND	IOP	04-011	212	G GRD	B6/E1		
GND	IOP	04-011	215	G GRD	B6/E1		
GND	IOP	04-011	234	G GRD	B6/E1		
GND	IOP	04-011	243	I CMLAMO	B6/E1		
GND	IOP	04-011	252	G GRD	B6/E1		
GND	IOP	04-011	253	G GRD	B6/E1		
GND	IOP	04-011	300	G GRD	B6/E1		
GND	IOP	04-011	305	G GRD	B6/E1		
GND	IOP	04-011	308	G GRD	B6/E1		
GND	IOP	04-011	311	G GRD	B6/E1		
GND	IOP	04-011	314	G GRD	B6/E1		
GND	IOP	04-011	324	G GRD	B6/E1		
GND	IOP	04-011	333	G GRD	B6/E1		
GND	IOP	04-011	343	G GRD	B6/E1		
GND	IOP	04-011	344	G GRD	B6/E1		
GND	IOP	04-011	345	G GRD	B6/E1		
GND	IOP	04-011	346	G GRD	B6/E1		
GND	IOP	04-011	347	G GRD	B6/E1		
GND	IOP	04-011	353	G GRD	B6/E1		
GND	IOP	04-011	356	G GRD	B6/E1		
GND	IOP	04-011	406	G GRD	B6/E1		
GND	IOP	04-011	412	G GRD	B6/E1		
GND	IOP	04-011	415	G GRD	B6/E1		
GND	IOP	04-011	434	G GRD	B6/E1		
GND	IOP	04-011	444	G GRD	B6/E1		
GND	IOP	04-011	447	G GRD	B6/E1		
GND	IOP	04-011	452	G GRD	B6/E1		
GND	IOP	04-011	453	G GRD	B6/E1		

24 LEAD INDEX (CONTINUED)							
LDESIG	FDESIG	ELI EQL	TRMNO	FN TRMMOD	SYMLOC	XT	
GND	IOP	04-011	500	G GRD	B6/E1		
GND	IOP	04-011	505	G GRD	B6/E1		
GND	IOP	04-011	511	G GRD	B6/E1		
GND	IOP	04-011	514	G GRD	B6/E1		
GND	IOP	04-011	524	G GRD	B6/E1		
GND	IOP	04-011	533	G GRD	B6/E1		
GND	IOP	04-011	543	G GRD	B6/E1		
GND	IOP	04-011	546	G GRD	B6/E1		
GND	IOP	04-011	553	G GRD	B6/E1		
GND	IOP	04-011	556	G GRD	B6/E1		
GND	IOP	04-011	606	G GRD	B6/E1		
GND	IOP	04-011	612	G GRD	B6/E1		
GND	IOP	04-011	615	G GRD	B6/E1		
GND	IOP	04-011	634	G GRD	B6/E1		
GND	IOP	04-011	644	G GRD	B6/E1		
GND	IOP	04-011	647	G GRD	B6/E1		
GND	IOP	04-011	652	G GRD	B6/E1		
GND	IOP	04-011	653	G GRD	B6/E1		
GND	IOP	04-011	700	G GRD	B6/E1		
GND	IOP	04-011	705	G GRD	B6/E1		
GND	IOP	04-011	711	G GRD	B6/E1		
GND	IOP	04-011	714	G GRD	B6/E1		
GND	IOP	04-011	724	G GRD	B6/E1		
GND	IOP	04-011	732	G GRD	B6/E1		
GND	IOP	04-011	733	G GRD	B6/E1		
GND	IOP	04-011	743	G GRD	B6/E1		
GND	IOP	04-011	746	G GRD	B6/E1		
GND	IOP	04-011	753	G GRD	B6/E1		
GND	IOP	04-011	756	G GRD	B6/E1		
GND							







34 LEAD INDEX (CONTINUED)						
LDESIG	FDESIG	ELI EQL	TRMNO	FN TRMMOD	SYMLOC	XT
GND	DFCA	04-180	253	G GND	B3/E0	
GND	DFCA	04-180	300	G GNDB	B3/E0	*
GND	DFCA	04-180	310	G GNDB	B3/E0	*
GND	DFCA	04-180	315	G GNDB	B3/E0	*
GND	DFCA	04-180	324	G GNDB	B3/E0	*
GND	DFCA	04-180	325	G GND	B3/E0	
GND	DFCA	04-180	332	G GND	B3/E0	
GND	DFCA	04-180	339	G GND	B3/E0	
GND	DFCA	04-180	342	G GND	B3/E0	
GND	DFCA	04-180	347	G GND	B3/E0	
GND	DFCA	04-180	349	G GND	B3/E0	
GND	DFCA	04-180	353	G GND	B3/E0	
GND	DFCA	04-180	400	G SHLDGNDA	B3/E0	*
GND	DFCA	04-180	415	G GNDA	B3/E0	*
GND	DFCA	04-180	424	G GNDA	B3/E0	*
GND	DFCA	04-180	432	G GND	B3/E0	
GND	DFCA	04-180	436	G GND	B3/E0	
GND	DFCA	04-180	447	G GND	B3/E0	
GND	DFCA	04-180	448	G GND	B3/E0	
GND	DFCA	04-180	451	G GND	B3/E0	
GND	DFCA	04-180	500	G GNDA	B3/E0	*
GND	DFCA	04-180	510	G GNDA	B3/E0	*
GND	DFCA	04-180	515	G GNDA	B3/E0	*
GND	DFCA	04-180	524	G GNDA	B3/E0	*
GND	DFCA	04-180	534	G GND	B3/E0	
GND	DFCA	04-180	537	G GND	B3/E0	
GND	DFCA	04-180	551	G GND	B3/E0	
GND	CONVH	04-190	000	G FR_GND	B5/F3	
GND	CONVH	04-190	001	G FR_GND	B5/F3	
GND	CONVH	04-190	032	P -VOUT1_01	B5/F3	
GND	CONVH	04-190	033	P -VOUT1_02	B5/F3	
GND	CONVH	04-190	034	P -VOUT1_03	B5/F3	
GND	CONVH	04-190	035	P -VOUT1_04	B5/F3	
GND	CONVH	04-190	036	P -VOUT1_05	B5/F3	
GND	CONVH	04-190	037	P -VOUT1_06	B5/F3	
GND	CONVH	04-190	038	P -VOUT1_07	B5/F3	
GND	CONVH	04-190	039	P -VOUT1_08	B5/F3	
GND	CONVH	04-190	040	P -VOUT1_09	B5/F3	
GND	CONVH	04-190	041	P -VOUT1_10	B5/F3	
GND	CONVH	04-190	042	P -VOUT1_11	B5/F3	
GND	CONVH	04-190	043	P -VOUT1_12	B5/F3	
GND	CONVH	04-190	100	G FR_GND	B5/F3	
GND	CONVH	04-190	101	G FR_GND	B5/F3	
GND	CONVH	04-190	113	O ALM1	B5/F3	
GND	CONVH	04-190	119	I S-	B5/F3	
GND	CONVH	04-190	132	P -VOUT1_13	B5/F3	
GND	CONVH	04-190	133	P -VOUT1_14	B5/F3	
GND	CONVH	04-190	134	P -VOUT1_15	B5/F3	
GND	CONVH	04-190	135	P -VOUT1_16	B5/F3	
GND	CONVH	04-190	136	P -VOUT1_17	B5/F3	
GND	CONVH	04-190	137	P -VOUT1_18	B5/F3	
GND	CONVH	04-190	138	P -VOUT1_19	B5/F3	
GND	CONVH	04-190	139	P -VOUT1_20	B5/F3	
GND	CONVH	04-190	140	P -VOUT1_21	B5/F3	
GND	CONVH	04-190	141	P -VOUT1_22	B5/F3	
GND	CONVH	04-190	142	P -VOUT1_23	B5/F3	
GND	CONVH	04-190	143	P -VOUT1_24	B5/F3	
GND	CONVH	04-190	232	P -VOUT1_25	B5/F3	
GND	CONVH	04-190	233	P -VOUT1_26	B5/F3	
GND	CONVH	04-190	234	P -VOUT1_27	B5/F3	
GND	CONVH	04-190	235	P -VOUT1_28	B5/F3	
GND	CONVH	04-190	236	P -VOUT1_29	B5/F3	
GND	CONVH	04-190	237	P -VOUT1_30	B5/F3	
GND	CONVH	04-190	238	P -VOUT1_31	B5/F3	
GND	CONVH	04-190	239	P -VOUT1_32	B5/F3	
GND	CONVH	04-190	240	P -VOUT1_33	B5/F3	
GND	CONVH	04-190	241	P -VOUT1_34	B5/F3	
GND	CONVH	04-190	242	P -VOUT1_35	B5/F3	
GND	CONVH	04-190	243	P -VOUT1_36	B5/F3	
GND	CONVH	04-190	332	P -VOUT1_37	B5/F3	
GND	CONVH	04-190	333	P -VOUT1_38	B5/F3	
GND	CONVH	04-190	334	P -VOUT1_39	B5/F3	
GND	CONVH	04-190	335	P -VOUT1_40	B5/F3	
GND	CONVH	04-190	336	P -VOUT1_41	B5/F3	
GND	CONVH	04-190	337	P -VOUT1_42	B5/F3	
GND	CONVH	04-190	338	P -VOUT1_43	B5/F3	
GND	CONVH	04-190	339	P -VOUT1_44	B5/F3	
GND	CONVH	04-190	340	P -VOUT1_45	B5/F3	
GND	CONVH	04-190	341	P -VOUT1_46	B5/F3	
GND	CONVH	04-190	342	P -VOUT1_47	B5/F3	
GND	CONVH	04-190	343	P -VOUT1_48	B5/F3	
GROONLN	IOPPS	04-026	056	O GROONLN	B1/E0	*
GROONLP	IOPPS	04-026	156	O GROONLP	B1/E0	*
GROTCKN	IOPPS	04-026	053	O GROTCKON	B1/E0	*
GROTCKP	IOPPS	04-026	153	O GROTCKOP	B1/E0	*
GROTDIN	IOPPS	04-026	055	O GROTDION	B1/E0	*
GROTDIP	IOPPS	04-026	155	O GROTDIOP	B1/E0	*
GROTDON	IOPPS	04-026	052	I GROTDON	B1/E0	*

35 LEAD INDEX (CONTINUED)						
LDESIG	FDESIG	ELI EQL	TRMNO	FN TRMMOD	SYMLOC	XT
GROTDOP	IOPPS	04-026	152	I GROTDOP	B1/E0	*
GROTMSN	IOPPS	04-026	054	O GROTMSN	B1/E0	*
GROTMSP	IOPPS	04-026	154	O GROTMSP	B1/E0	*
HARST0	DFCB	04-172	346	I HARST0	B4/E2	
HARST0	DFCA	04-180	248	O HARST0	B3/E0	
HASR300	DFCB	04-172	052	O HASR300	B4/E2	
HASR300	DFCA	04-180	242	I HASR300	B3/E0	
HD01	DFCB	04-172	233	IO HD01	B4/E2	
HD01	DFCA	04-180	438	IO HD01	B3/E0	
HD11	DFCB	04-172	234	IO HD11	B4/E2	
HD11	DFCA	04-180	437	IO HD11	B3/E0	
HD21	DFCB	04-172	135	IO HD21	B4/E2	
HD21	DFCA	04-180	536	IO HD21	B3/E0	
HD31	DFCB	04-172	236	IO HD31	B4/E2	
HD31	DFCA	04-180	535	IO HD31	B3/E0	
HD41	DFCB	04-172	237	IO HD41	B4/E2	
HD41	DFCA	04-180	435	IO HD41	B3/E0	
HD51	DFCB	04-172	138	IO HD51	B4/E2	
HD51	DFCA	04-180	434	IO HD51	B3/E0	
HD61	DFCB	04-172	239	IO HD61	B4/E2	
HD61	DFCA	04-180	533	IO HD61	B3/E0	
HD71	DFCB	04-172	240	IO HD71	B4/E2	
HD71	DFCA	04-180	433	IO HD71	B3/E0	
HDP1	DFCB	04-172	141	O HDP1	B4/E2	
HDP1	DFCA	04-180	538	IO HDP1	B3/E0	
HINA1	DFCB	04-172	055	O HINA1	B4/E2	
HINA1	DFCA	04-180	341	I HINA1	B3/E0	
HINB1	DFCB	04-172	155	O HINB1	B4/E2	
HINB1	DFCA	04-180	343	I HINB1	B3/E0	
ICALM0	CONVF	04-006	014	O ALM0	B2/E5	
ICALM0	IOPPS	04-026	110	I ICALM0	B1/E0	
ICBLM0	IOPPS	04-026	010	I ICBLM0	B1/E0	
ICBLM0	CONVG	04-034	014	O ALM0	B2/E1	
ICSTN	CONVF	04-006	110	IO RS2	B2/E5	
ICSTN	IOPPS	04-026	008	O ICSTN	B1/E0	
ICSTN	CONVG	04-034	110	IO RS2	B2/E1	
ICSTP	CONVF	04-006	011	IO RS1	B2/E5	
ICSTP	IOPPS	04-026	108	O ICSTP	B1/E0	
ICSTP	CONVG	04-034	011	IO RS1	B2/E1	
IINTA0	CONVF	04-006	012	IO INT	B2/E5	
IINTA0	IOPPS	04-026	014	I IINTA0	B1/E0	
IINTB0	IOPPS	04-026	013	I IINTB0	B1/E0	
IINTB0	CONVG	04-034	012	IO INT	B2/E1	
IINTC0	IOPPS	04-026	011	I IINTC0	B1/E0	
IINTC0	PC20	04-108	108	G GND	B15/E1	
IINTC0	PC21	04-116	108	G GND	B16/E1	
IINTC0	PC22	04-124	108	G GND	B17/E1	
IINTC0	PC23	04-132	108	G GND	B18/E1	
IINTC0	PC30	04-140	108	G GND	B19/E1	
IINTC0	PC31	04-148	108	G GND	B20/E1	
IINTC0	PC32	04-156	108	G GND	B21/E1	
IINTC0	PC33	04-164	108	G GND	B22/E1	
INT000	IOP	04-011	754	I INT000	B6/E1	
INT000	PC00	04-040	101	O INTR0	B7/E1	
INT010	IOP	04-011	654	I INT010	B6/E1	
INT010	PC01	04-048	101	O INTR0	B8/E1	
INT020	IOP	04-011	755	I INT020	B6/E1	
INT020	PC02	04-056	101	O INTR0	B9/E0	
INT030	IOP	04-011	655	I INT030	B6/E1	
INT030	PC03	04-064	101	O INTR0	B10/E0	
INT100	IOP	04-011	354	I INT100	B6/E1	
INT100	PC10	04-072	101	O INTR0	B11/E0	
INT110	IOP	04-011	254	I INT110	B6/E1	
INT110	PC11	04-080	101	O INTR0	B12/E0	
INT120	IOP	04-011	355	I INT120	B6/E1	
INT120	PC12	04-088	101	O INTR0	B13/E1	

36 LEAD INDEX (CONTINUED)						
LDESIG	FDESIG	ELI EQL	TRMNO	FN TRMMOD	SYMLOC	XT
INT130	IOP	04-011	255	I INT130	B6/E1	
INT130	PC13	04-096	101	O INTR0	B14/E1	
INT200	IOP	04-011	554	I INT200	B6/E1	
INT200	PC20	04-108	101	O INTR0	B15/E1	
INT210	IOP	04-011	454	I INT210	B6/E1	
INT210	PC21	04-116	101	O INTR0	B16/E1	
INT220	IOP	04-011	555	I INT220	B6/E1	
INT220	PC22	04-124	101	O INTR0	B17/E1	
INT230	IOP	04-011	455	I INT230	B6/E1	
INT230	PC23	04-132	101	O INTR0	B18/E1	
INT300	IOP	04-011	154	I INT300	B6/E1	
INT300	PC30	04-140	101	O INTR0	B19/E1	
INT310	IOP	04-011	054	I INT310	B6/E1	
INT310	PC31	04-148	101	O INTR0	B20/E1	
INT320	IOP	04-011	155	I INT320	B6/E1	
INT320	PC32	04-156	101	O INTR0	B21/E1	
INT330	IOP	04-011	055	I INT330	B6/E1	
INT330	PC33	04-164	101	O INTR0	B22/E1	
IOALMMJ	IOPPS	04-026	321	O MJ	B1/E0	*
IOALMMJR	IOPPS	04-026	221	O MJR	B1/E0	*
IOALMPA	IOPPS	04-026	319	O PA	B1/E0	*
IOALMPAR	IOPPS	04-026	219	O PAR	B1/E0	*
IOOSN	IOPPS	04-026	206	I IOOSN	B1/E0	*
IOOSP	IOPPS	04-026	306	I IOOSP	B1/E0	*
IOXN	04-063	04-063	023	IO	B23/B6	*
IOXN	04-071	04-071	023	IO	B23/B5	*
IOXN	04-095	04-095	023	IO	B23/B8	*
IOXN	04-139	04-139	023	IO	B23/B3	*
IOXN	04-171	04-171	023	IO	B23/B1	*
IOXN	DFCA	04-180	323	IO IOBN	B3/E0	*
IOXP	04-062	04-062	023	IO	B23/E6	*
IOXP	04-070	04-070	023	IO	B23/E5	*
IOXP	04-094	04-094	023	IO	B23/E8	*
IOXP	04-138	04-138	023	IO	B23/E3	*
IOXP	04-170	04-170	023	IO	B23/E1	*
IOXP	DFCA	04-180	223	IO IOBP	B3/E0	*
IOYN	04-047	04-047	023	IO	B24/B8	*
IOYN	04-055	04-055	023	IO	B24/B6	*
IOYN	04-087	04-087	023	IO	B24/B4	*
IOYN	04-123	04-123	023	IO	B24/B3	*
IOYN	04-155	04-155	023	IO	B24/B1	*
IOYN	DFCA	04-180	523	IO IOAN	B3/E0	*
IOYP	04-046	04-046	023	IO	B24/E8	*
IOYP	04-054	04-054	023	IO	B24/E6	*
IOYP	04-086	04-086				

37 LEAD INDEX (CONTINUED)							
LDESIG	FDESIG	ELI	EQL	TRMNO	FN TRMMOD	SYMLOC	XT
ISCKP	IOPPS	04-026	309	O	ISCKP	B1/E0	*
ISCYN	IOPPS	04-026	208	O	ISCYN	B1/E0	*
ISZYP	IOPPS	04-026	308	O	ISZYP	B1/E0	*
ISZCN	IOPPS	04-026	210	O	ISZCN	B1/E0	*
ISZCP	IOPPS	04-026	310	O	ISZCP	B1/E0	*
MA021	DFCB	04-172	243	O	MA021	B4/E2	
MA021	DFCA	04-180	355	I	MA021	B3/E0	
MA031	DFCB	04-172	144	O	MA031	B4/E2	
MA031	DFCA	04-180	255	I	MA031	B3/E0	
MA041	DFCB	04-172	245	O	MA041	B4/E2	
MA041	DFCA	04-180	354	I	MA041	B3/E0	
MA051	DFCB	04-172	146	O	MA051	B4/E2	
MA051	DFCA	04-180	254	I	MA051	B3/E0	
MA081	DFCB	04-172	247	O	MA081	B4/E2	
MA081	DFCA	04-180	450	I	MA081	B3/E0	
MA091	DFCB	04-172	348	O	MA091	B4/E2	
MA091	DFCA	04-180	550	I	MA091	B3/E0	
MA101	DFCB	04-172	149	O	MA101	B4/E2	
MA101	DFCA	04-180	449	I	MA101	B3/E0	
MA111	DFCB	04-172	250	O	MA111	B4/E2	
MA111	DFCA	04-180	549	I	MA111	B3/E0	
MCLK341	DFCB	04-172	301	O	MCLK341	B4/E2	
MCLK341	DFCA	04-180	005	I	MCLK341	B3/E0	
MD001	DFCB	04-172	203	O	MD001	B4/E2	
MD001	DFCA	04-180	037	I	MD001	B3/E0	
MD011	DFCB	04-172	204	O	MD011	B4/E2	
MD011	DFCA	04-180	038	I	MD011	B3/E0	
MD021	DFCB	04-172	205	O	MD021	B4/E2	
MD021	DFCA	04-180	039	I	MD021	B3/E0	
MD031	DFCB	04-172	206	O	MD031	B4/E2	
MD031	DFCA	04-180	040	I	MD031	B3/E0	
MD041	DFCB	04-172	207	O	MD041	B4/E2	
MD041	DFCA	04-180	041	I	MD041	B3/E0	
MD051	DFCB	04-172	208	O	MD051	B4/E2	
MD051	DFCA	04-180	043	I	MD051	B3/E0	
MD061	DFCB	04-172	210	O	MD061	B4/E2	
MD061	DFCA	04-180	044	I	MD061	B3/E0	
MD071	DFCB	04-172	211	O	MD071	B4/E2	
MD071	DFCA	04-180	045	I	MD071	B3/E0	
MD081	DFCB	04-172	213	O	MD081	B4/E2	
MD081	DFCA	04-180	047	I	MD081	B3/E0	
MD091	DFCB	04-172	114	O	MD091	B4/E2	
MD091	DFCA	04-180	049	I	MD091	B3/E0	
MD101	DFCB	04-172	215	O	MD101	B4/E2	
MD101	DFCA	04-180	050	I	MD101	B3/E0	
MD111	DFCB	04-172	117	O	MD111	B4/E2	
MD111	DFCA	04-180	051	I	MD111	B3/E0	
MD121	DFCB	04-172	118	O	MD121	B4/E2	
MD121	DFCA	04-180	052	I	MD121	B3/E0	
MD131	DFCB	04-172	119	O	MD131	B4/E2	
MD131	DFCA	04-180	053	I	MD131	B3/E0	
MD141	DFCB	04-172	221	O	MD141	B4/E2	
MD141	DFCA	04-180	055	I	MD141	B3/E0	
MD151	DFCB	04-172	222	O	MD151	B4/E2	
MD151	DFCA	04-180	056	I	MD151	B3/E0	
MD161	DFCB	04-172	202	O	MD161	B4/E2	
MD161	DFCA	04-180	134	I	MD161	B3/E0	
MD171	DFCB	04-172	303	O	MD171	B4/E2	
MD171	DFCA	04-180	135	I	MD171	B3/E0	
MD181	DFCB	04-172	304	O	MD181	B4/E2	
MD181	DFCA	04-180	136	I	MD181	B3/E0	
MD191	DFCB	04-172	305	O	MD191	B4/E2	

38 LEAD INDEX (CONTINUED)							
LDESIG	FDESIG	ELI	EQL	TRMNO	FN TRMMOD	SYMLOC	XT
MD191	DFCA	04-180	137	IO	MD191	B3/E0	
MD201	DFCB	04-172	306	IO	MD201	B4/E2	
MD201	DFCA	04-180	139	IO	MD201	B3/E0	
MD211	DFCB	04-172	307	IO	MD211	B4/E2	
MD211	DFCA	04-180	140	IO	MD211	B3/E0	
MD221	DFCB	04-172	309	IO	MD221	B4/E2	
MD221	DFCA	04-180	141	IO	MD221	B3/E0	
MD231	DFCB	04-172	310	IO	MD231	B4/E2	
MD231	DFCA	04-180	142	IO	MD231	B3/E0	
MD241	DFCB	04-172	312	IO	MD241	B4/E2	
MD241	DFCA	04-180	145	IO	MD241	B3/E0	
MD251	DFCB	04-172	313	IO	MD251	B4/E2	
MD251	DFCA	04-180	146	IO	MD251	B3/E0	
MD261	DFCB	04-172	314	IO	MD261	B4/E2	
MD261	DFCA	04-180	147	IO	MD261	B3/E0	
MD271	DFCB	04-172	316	IO	MD271	B4/E2	
MD271	DFCA	04-180	148	IO	MD271	B3/E0	
MD281	DFCB	04-172	217	IO	MD281	B4/E2	
MD281	DFCA	04-180	149	IO	MD281	B3/E0	
MD291	DFCB	04-172	318	IO	MD291	B4/E2	
MD291	DFCA	04-180	151	IO	MD291	B3/E0	
MD301	DFCB	04-172	219	IO	MD301	B4/E2	
MD301	DFCA	04-180	152	IO	MD301	B3/E0	
MD311	DFCB	04-172	320	IO	MD311	B4/E2	
MD311	DFCA	04-180	154	IO	MD311	B3/E0	
MDS0	DFCB	04-172	355	O	DS0	B4/E2	
MDS0	DFCA	04-180	118	I	MDS0	B3/E0	
MDTACK0	DFCB	04-172	342	I	MDTACK0	B4/E2	
MDTACK0	DFCA	04-180	101	O	MDTACK0	B3/E0	
MPB01	DFCB	04-172	321	IO	MPB01	B4/E2	
MPB01	DFCA	04-180	155	IO	MPB01	B3/E0	
MPB11	DFCB	04-172	311	IO	MPB11	B4/E2	
MPB11	DFCA	04-180	143	IO	MPB11	B3/E0	
MPB21	DFCB	04-172	223	IO	MPB21	B4/E2	
MPB21	DFCA	04-180	133	IO	MPB21	B3/E0	
MPB31	DFCB	04-172	112	IO	MPB31	B4/E2	
MPB31	DFCA	04-180	046	IO	MPB31	B3/E0	
MR1W0	DFCB	04-172	148	O	MR1W0	B4/E2	
MR1W0	DFCA	04-180	113	I	MR1W0	B3/E0	
MSGXN	04-063	04-063	019	IO	B23/B6	*	
MSGXN	04-071	04-071	019	IO	B23/B5	*	
MSGXN	04-095	04-095	019	IO	B23/B8	*	
MSGXN	04-139	04-139	019	IO	B23/B3	*	
MSGXN	04-171	04-171	019	IO	B23/B1	*	
MSGXN	DFCA	04-180	319	IO	MSGBN	B3/E0	*
MSGXP	04-062	04-062	019	IO	B23/E6	*	
MSGXP	04-070	04-070	019	IO	B23/E5	*	
MSGXP	04-094	04-094	019	IO	B23/E8	*	
MSGXP	04-138	04-138	019	IO	B23/E3	*	
MSGXP	04-170	04-170	019	IO	B23/E1	*	
MSGXP	DFCA	04-180	219	IO	MSGBP	B3/E0	*
MSGYN	04-047	04-047	019	IO	B24/B8	*	
MSGYN	04-055	04-055	019	IO	B24/B6	*	
MSGYN	04-087	04-087	019	IO	B24/B4	*	
MSGYN	04-123	04-123	019	IO	B24/B3	*	
MSGYN	04-155	04-155	019	IO	B24/B1	*	
MSGYN	DFCA	04-180	519	IO	MSGAN	B3/E0	*
MSGYP	04-046	04-046	019	IO	B24/E8	*	
MSGYP	04-054	04-054	019	IO	B24/E6	*	
MSGYP	04-086	04-086	019	IO	B24/E4	*	
MSGYP	04-122	04-122	019	IO	B24/E3	*	
MSGYP	04-154	04-154	019	IO	B24/E1	*	
MSGYP	DFCA	04-180	419	IO	MSGAP	B3/E0	*
N12V	IOPPS	04-026	244	P	N12V	B1/E0	
N12V	IOPPS	04-026	245	P	N12V	B1/E0	
N12V	IOPPS	04-026	246	P	N12V	B1/E0	
N12V	IOPPS	04-026	344	P	N12V	B1/E0	
N12V	IOPPS	04-026	345	P	N12V	B1/E0	
N12V	IOPPS	04-026	346	P	N12V	B1/E0	
N12V	PC00	04-040	044	P	N12V	B7/E1	
N12V	PC00	04-040	144	P	N12V	B7/E1	

39 LEAD INDEX (CONTINUED)							
LDESIG	FDESIG	ELI	EQL	TRMNO	FN TRMMOD	SYMLOC	XT
N12V	PC01	04-048	044	P	N12V	B8/E1	
N12V	PC01	04-048	144	P	N12V	B8/E1	
N12V	PC02	04-056	044	P	N12V	B9/E0	
N12V	PC02	04-056	144	P	N12V	B9/E0	
N12V	PC03	04-064	044	P	N12V	B10/E0	
N12V	PC03	04-064	144	P	N12V	B10/E0	
N12V	PC10	04-072	044	P	N12V	B11/E0	
N12V	PC10	04-072	144	P	N12V	B11/E0	
N12V	PC11	04-080	044	P	N12V	B12/E0	
N12V	PC11	04-080	144	P	N12V	B12/E0	
N12V	PC12	04-088	044	P	N12V	B13/E1	
N12V	PC12	04-088	144	P	N12V	B13/E1	
N12V	PC13	04-096	044	P	N12V	B14/E1	
N12V	PC13	04-096	144	P	N12V	B14/E1	
N12V	PC20	04-108	044	P	N12V	B15/E1	
N12V	PC20	04-108	144	P	N12V	B15/E1	
N12V	PC21	04-116	044	P	N12V	B16/E1	
N12V	PC21	04-116	144	P	N12V	B16/E1	
N12V	PC22	04-124	044	P	N12V	B17/E1	
N12V	PC22	04-124	144	P	N12V	B17/E1	
N12V	PC23	04-132	044	P	N12V	B18/E1	
N12V	PC23	04-132	144	P	N12V	B18/E1	
N12V	PC30	04-140	044	P	N12V	B19/E1	
N12V	PC30	04-140	144	P	N12V	B19/E1	
N12V	PC31	04-148	044	P	N12V	B20/E1	
N12V	PC31	04-148	144	P	N12V	B20/E1	
N12V	PC32	04-156	044	P	N12V	B21/E1	
N12V	PC32	04-156	144	P	N12V	B21/E1	
N12V	PC33	04-164	044	P	N12V	B22/E1	
N12V	PC33	04-164	144	P	N12V	B22/E1	
N48V19	E26	02-188-004	1	P	PWR1	G1/E8	
N48V19	E26	02-188-004	2	P	PWR2	G1/E8	
N48V19	E26	02-188-004	3	P	PWR3	G1/E8	
N48V19	E26	02-188-004	4	P	PWR4	G1/E8	
N48V19	02-188A	004	004	P	-VIN	G1/E8	*
N48V19	CONVH	04-190	006	P	-VIN	B5/F3	
N48V19	CONVH	04-190	007	P	-VIN	B5/F3	
N48V19	CONVH	04-190	008	P	-VIN	B5/F3	
N48V19	CONVH	04-190	106	P	-VIN	B5/F3	
N48V19	CONVH	04-190	107	P	-VIN	B5/F3	
N48V19	CONVH	04-190	108	P	-VIN	B5/F3	
N48V20	03-188	03-188	031	P		G1/E8	*
N48V20	E25	03-188-031	1	P	PWR1	G1/E8	
N48V20	E25	03-188-031	2	P	PWR2	G1/E8	
N48V20	E25	03-188-031	3	P	PWR3	G1/E8	
N48V20	E25	03-188-031	4	P	PWR4	G1/E8	
N48V20	DFCA	04-180	544	P	N48V	B3/E0	
N48V20	DFCA	04-180	545	P	N48V	B3/E0	
N48V21	PC32						

40 LEAD INDEX (CONTINUED)							
LDESIG	FDESIG	ELI EQL	TRMNO	FN TRMMOD	SYMLOC	XT	
N48V23	E14	02-023-018	3	P PWR3	G1/C4		
N48V23	E14	02-023-018	4	P PWR4	G1/C4		
N48V23	02-023C	02-023C	018	P	G1/C3	*	
N48V23	IOPPS	04-026	002	P N48V	B1/E0		
N48V23	IOPPS	04-026	003	P N48V	B1/E0		
N48V23	IOPPS	04-026	004	P N48V	B1/E0		
N48V24	03-032	03-032	031	P	G1/D3	*	
N48V24	E17	03-032-031	1	P PWR1	G1/D4		
N48V24	E17	03-032-031	2	P PWR2	G1/D4		
N48V24	E17	03-032-031	3	P PWR3	G1/D4		
N48V24	E17	03-032-031	4	P PWR4	G1/D4		
N48V24	PC00	04-040	544	P N48V	B7/E1		
N48V24	PC00	04-040	545	P N48V	B7/E1		
N48V24	PC01	04-048	544	P N48V	B8/E1		
N48V24	PC01	04-048	545	P N48V	B8/E1		
N48V25	PC02	04-056	544	P N48V	B9/E0		
N48V25	PC02	04-056	545	P NC	B9/E0		
N48V25	PC03	04-064	544	P N48V	B10/E0		
N48V25	PC03	04-064	545	P NC	B10/E0		
N48V25	E18	06-023-047	1	P PWR1	G1/E4		
N48V25	E18	06-023-047	2	P PWR2	G1/E4		
N48V25	E18	06-023-047	3	P PWR3	G1/E4		
N48V25	E18	06-023-047	4	P PWR4	G1/E4		
N48V25	06-023A	06-023A	047	P	G1/E3	*	
N48V28	PC10	04-072	544	P N48V	B11/E0		
N48V28	PC10	04-072	545	P NC	B11/E0		
N48V28	PC11	04-080	544	P N48V	B12/E0		
N48V28	PC11	04-080	545	P NC	B12/E0		
N48V28	E19	06-105-032	1	P PWR1	G1/E4		
N48V28	E19	06-105-032	2	P PWR2	G1/E4		
N48V28	E19	06-105-032	3	P PWR3	G1/E4		
N48V28	E19	06-105-032	4	P PWR4	G1/E4		
N48V28	06-105A	06-105A	032	P	G1/E3	*	
N48V29	PC12	04-088	544	P N48V	B13/E1		
N48V29	PC12	04-088	545	P N48V	B13/E1		
N48V29	PC13	04-096	544	P N48V	B14/E1		
N48V29	PC13	04-096	545	P N48V	B14/E1		
N48V29	E20	06-105-047	1	P PWR1	G1/F4		
N48V29	E20	06-105-047	2	P PWR2	G1/F4		
N48V29	E20	06-105-047	3	P PWR3	G1/F4		
N48V29	E20	06-105-047	4	P PWR4	G1/F4		
N48V29	06-105C	06-105C	047	P	G1/F3	*	
N48V30	E16	02-023-020	1	P PWR1	G1/D4		
N48V30	E16	02-023-020	2	P PWR2	G1/D4		
N48V30	E16	02-023-020	3	P PWR3	G1/D4		
N48V30	E16	02-023-020	4	P PWR4	G1/D4		
N48V30	02-032A	02-032A	014	P	G1/D3	*	
N48V30	CONVG	04-034	006	P -VIN	B2/E1		
N48V30	CONVG	04-034	007	P -VIN	B2/E1		
N48V30	CONVG	04-034	008	P -VIN	B2/E1		
N48V30	CONVG	04-034	106	P -VIN	B2/E1		
N48V30	CONVG	04-034	107	P -VIN	B2/E1		
N48V30	CONVG	04-034	108	P -VIN	B2/E1		
N48V31	E21	02-105-017	1	P PWR1	G1/C8		
N48V31	E21	02-105-017	2	P PWR2	G1/C8		
N48V31	E21	02-105-017	3	P PWR3	G1/C8		
N48V31	E21	02-105-017	4	P PWR4	G1/C8		
N48V31	02-105C	02-105C	017	P	G1/C8	*	
N48V31	PC20	04-108	544	P N48V	B15/E1		
N48V31	PC20	04-108	545	P N48V	B15/E1		
N48V31	PC21	04-116	544	P N48V	B16/E1		
N48V31	PC21	04-116	545	P N48V	B16/E1		
N48V32	E22	02-105-000	1	P PWR1	G1/C8		
N48V32	E22	02-105-000	2	P PWR2	G1/C8		
N48V32	E22	02-105-000	3	P PWR3	G1/C8		
N48V32	E22	02-105-000	4	P PWR4	G1/C8		
N48V32	02-105A	02-105A	000	P	G1/C8	*	
N48V32	PC22	04-124	544	P N48V	B17/E1		
N48V32	PC22	04-124	545	P N48V	B17/E1		
N48V32	PC23	04-132	544	P N48V	B18/E1		
N48V32	PC23	04-132	545	P N48V	B18/E1		
N48V33	E23	02-188-018	1	P PWR1	G1/D8		
N48V33	E23	02-188-018	2	P PWR2	G1/D8		
N48V33	E23	02-188-018	3	P PWR3	G1/D8		
N48V33	E23	02-188-018	4	P PWR4	G1/D8		
N48V33	02-188C	02-188C	018	P	G1/D8	*	
N48V33	PC30	04-140	544	P N48V	B19/E1		
N48V33	PC30	04-140	545	P N48V	B19/E1		
N48V33	PC31	04-148	544	P N48V	B20/E1		
N48V33	PC31	04-148	545	P N48V	B20/E1		
N5V	IOPPS	04-026	238	P N5V	B1/E0		
N5V	IOPPS	04-026	338	P N5V	B1/E0		
N5V	PC00	04-040	206	P N5V	B7/E1		
N5V	PC00	04-040	207	P N5V	B7/E1		
N5V	PC01	04-048	206	P N5V	B8/E1		
N5V	PC01	04-048	207	P N5V	B8/E1		

41 LEAD INDEX (CONTINUED)							
LDESIG	FDESIG	ELI EQL	TRMNO	FN TRMMOD	SYMLOC	XT	
N5V	PC02	04-056	206	P N5V	B9/E0		
N5V	PC02	04-056	207	P N5V	B9/E0		
N5V	PC03	04-064	206	P N5V	B10/E0		
N5V	PC03	04-064	207	P N5V	B10/E0		
N5V	PC10	04-072	206	P N5V	B11/E0		
N5V	PC10	04-072	207	P N5V	B11/E0		
N5V	PC11	04-080	206	P N5V	B12/E0		
N5V	PC11	04-080	207	P N5V	B12/E0		
N5V	PC12	04-088	206	P N5V	B13/E1		
N5V	PC12	04-088	207	P N5V	B13/E1		
N5V	PC13	04-096	206	P N5V	B14/E1		
N5V	PC13	04-096	207	P N5V	B14/E1		
N5V	PC20	04-108	206	P N5V	B15/E1		
N5V	PC20	04-108	207	P N5V	B15/E1		
N5V	PC21	04-116	206	P N5V	B16/E1		
N5V	PC21	04-116	207	P N5V	B16/E1		
N5V	PC22	04-124	206	P N5V	B17/E1		
N5V	PC22	04-124	207	P N5V	B17/E1		
N5V	PC23	04-132	206	P N5V	B18/E1		
N5V	PC23	04-132	207	P N5V	B18/E1		
N5V	PC30	04-140	206	P N5V	B19/E1		
N5V	PC30	04-140	207	P N5V	B19/E1		
N5V	PC31	04-148	206	P N5V	B20/E1		
N5V	PC31	04-148	207	P N5V	B20/E1		
N5V	PC32	04-156	206	P N5V	B21/E1		
N5V	PC32	04-156	207	P N5V	B21/E1		
N5V	PC33	04-164	206	P N5V	B22/E1		
N5V	PC33	04-164	207	P N5V	B22/E1		
OOL0	IOP	04-011	600	I OOL00	B6/E1		
OOL0	IOPPS	04-026	335	O OOL0	B1/E0		
OPONLN	IOPPS	04-026	037	I OPONLN	B1/E0	*	
OPONLP	IOPPS	04-026	137	I OPONLP	B1/E0	*	
OPTCKN	IOPPS	04-026	034	I OPTCKN	B1/E0	*	
OPTCKP	IOPPS	04-026	134	I OPTCKP	B1/E0	*	
OPTDIN	IOPPS	04-026	033	I OPTDIN	B1/E0	*	
OPTDIP	IOPPS	04-026	133	I OPTDIP	B1/E0	*	
OPTDON	IOPPS	04-026	036	O OPTDON	B1/E0	*	
OPTDOP	IOPPS	04-026	136	O OPTDOP	B1/E0	*	
OPTMSN	IOPPS	04-026	035	I OPTMSN	B1/E0	*	
OPTMSP	IOPPS	04-026	135	I OPTMSP	B1/E0	*	
P12V	IOPPS	04-026	252	P P12V	B1/E0		
P12V	IOPPS	04-026	253	P P12V	B1/E0		
P12V	IOPPS	04-026	254	P P12V	B1/E0		
P12V	IOPPS	04-026	352	P P12V	B1/E0		
P12V	IOPPS	04-026	353	P P12V	B1/E0		
P12V	IOPPS	04-026	354	P P12V	B1/E0		
P12V	PC00	04-040	002	P P12V	B7/E1		
P12V	PC00	04-040	102	P P12V	B7/E1		
P12V	PC00	04-040	202	P P12V	B7/E1		
P12V	PC00	04-040	244	P P12V	B7/E1		
P12V	PC00	04-040	302	P P12V	B7/E1		
P12V	PC00	04-040	344	P P12V	B7/E1		
P12V	PC01	04-048	002	P P12V	B8/E1		
P12V	PC01	04-048	102	P P12V	B8/E1		
P12V	PC01	04-048	202	P P12V	B8/E1		
P12V	PC01	04-048	244	P P12V	B8/E1		
P12V	PC01	04-048	302	P P12V	B8/E1		
P12V	PC01	04-048	344	P P12V	B8/E1		
P12V	PC02	04-056	002	P P12V	B9/E0		
P12V	PC02	04-056	102	P P12V	B9/E0		
P12V	PC02	04-056	202	P P12V	B9/E0		
P12V	PC02	04-056	244	P P12V	B9/E0		
P12V	PC02	04-056	302	P P12V	B9/E0		
P12V	PC02	04-056	344	P P12V	B9/E0		
P12V	PC03	04-064	002	P P12V	B10/E0		
P12V	PC03	04-064	102	P P12V	B10/E0		
P12V	PC03	04-064	202	P P12V	B10/E0		
P12V	PC03	04-064	244	P P12V	B10/E0		
P12V	PC03	04-064	302	P P12V	B10/E0		
P12V	PC03	04-064	344	P P12V	B10/E0		
P12V	PC10	04-072	002	P P12V	B11/E0		
P12V	PC10	04-072	102	P P12V	B11/E0		
P12V	PC10	04-072	202	P P12V	B11/E0		
P12V	PC10	04-072	244	P P12V	B11/E0		
P12V	PC10	04-072	302	P P12V	B11/E0		
P12V	PC10	04-072	344	P P12V	B11/E0		
P12V	PC11	04-080	002	P P12V	B12/E0		
P12V	PC11	04-080	102	P P12V	B12/E0		
P12V	PC11	04-080	202	P P12V	B12/E0		
P12V	PC11	04-080	244	P P12V	B12/E0		
P12V	PC11	04-080	302	P P12V	B12/E0		
P12V	PC11	04-080	344	P P12V	B12/E0		
P12V	PC12	04-088	002	P P12V	B13/E1		

42 LEAD INDEX (CONTINUED)							
LDESIG	FDESIG	ELI EQL	TRMNO	FN TRMMOD	SYMLOC	XT	
P12V	PC12	04-088	102	P P12V	B13/E1		
P12V	PC12	04-088	202	P P12V	B13/E1		
P12V	PC12	04-088	244	P P12V	B13/E1		
P12V	PC12	04-088	302	P P12V	B13/E1		
P12V	PC12	04-088	344	P P12V	B13/E1		
P12V	PC13	04-096	002	P P12V	B14/E1		
P12V	PC13	04-096	102	P P12V	B14/E1		
P12V	PC13	04-096	202	P P12V	B14/E1		
P12V	PC13	04-096	244	P P12V	B14/E1		
P12V	PC13	04-096	302	P P12V	B14/E1		
P12V	PC13	04-096	344	P P12V	B14/E1		
P12V	PC20	04-108	002	P P12V	B15/E1		
P12V							

43 LEAD INDEX (CONTINUED)						
LDESIG	FDESIG	ELI EQL	TRMNO	FN TRMMOD	SYMLOC	XT
P5VF	CONVF	04-006	147	P +VOUT1_15	B2/E5	
P5VF	CONVF	04-006	148	P +VOUT1_16	B2/E5	
P5VF	CONVF	04-006	149	P +VOUT1_17	B2/E5	
P5VF	CONVF	04-006	150	P +VOUT1_18	B2/E5	
P5VF	CONVF	04-006	151	P +VOUT1_19	B2/E5	
P5VF	CONVF	04-006	152	P +VOUT1_20	B2/E5	
P5VF	CONVF	04-006	153	P +VOUT1_21	B2/E5	
P5VF	CONVF	04-006	154	P +VOUT1_22	B2/E5	
P5VF	CONVF	04-006	155	P +VOUT1_23	B2/E5	
P5VF	CONVF	04-006	156	P +VOUT1_24	B2/E5	
P5VF	CONVF	04-006	245	P +VOUT1_25	B2/E5	
P5VF	CONVF	04-006	246	P +VOUT1_26	B2/E5	
P5VF	CONVF	04-006	247	P +VOUT1_27	B2/E5	
P5VF	CONVF	04-006	248	P +VOUT1_28	B2/E5	
P5VF	CONVF	04-006	249	P +VOUT1_29	B2/E5	
P5VF	CONVF	04-006	250	P +VOUT1_30	B2/E5	
P5VF	CONVF	04-006	251	P +VOUT1_31	B2/E5	
P5VF	CONVF	04-006	252	P +VOUT1_32	B2/E5	
P5VF	CONVF	04-006	253	P +VOUT1_33	B2/E5	
P5VF	CONVF	04-006	254	P +VOUT1_34	B2/E5	
P5VF	CONVF	04-006	255	P +VOUT1_35	B2/E5	
P5VF	CONVF	04-006	256	P +VOUT1_36	B2/E5	
P5VF	CONVF	04-006	345	P +VOUT1_37	B2/E5	
P5VF	CONVF	04-006	346	P +VOUT1_38	B2/E5	
P5VF	CONVF	04-006	347	P +VOUT1_39	B2/E5	
P5VF	CONVF	04-006	348	P +VOUT1_40	B2/E5	
P5VF	CONVF	04-006	349	P +VOUT1_41	B2/E5	
P5VF	CONVF	04-006	350	P +VOUT1_42	B2/E5	
P5VF	CONVF	04-006	351	P +VOUT1_43	B2/E5	
P5VF	CONVF	04-006	352	P +VOUT1_44	B2/E5	
P5VF	CONVF	04-006	353	P +VOUT1_45	B2/E5	
P5VF	CONVF	04-006	354	P +VOUT1_46	B2/E5	
P5VF	CONVF	04-006	355	P +VOUT1_47	B2/E5	
P5VF	CONVF	04-006	356	P +VOUT1_48	B2/E5	
P5VF	IOP	04-011	000	I OOL30	B6/E1	
P5VF	IOP	04-011	005	I VPG	B6/E1	
P5VF	IOP	04-011	024	P VCC	B6/E1	
P5VF	IOP	04-011	032	P VCC	B6/E1	
P5VF	IOP	04-011	056	P VCC	B6/E1	
P5VF	IOP	04-011	200	I OOL10	B6/E1	
P5VF	IOP	04-011	205	P VCC	B6/E1	
P5VF	IOP	04-011	224	P VCC	B6/E1	
P5VF	IOP	04-011	256	P VCC	B6/E1	
P5VF	IOP	04-011	400	I OOL20	B6/E1	
P5VF	IOP	04-011	405	P VCC	B6/E1	
P5VF	IOP	04-011	424	P VCC	B6/E1	
P5VF	IOP	04-011	432	P VCC	B6/E1	
P5VF	IOP	04-011	456	P VCC	B6/E1	
P5VF	IOP	04-011	605	P VCC	B6/E1	
P5VF	IOP	04-011	624	P VCC	B6/E1	
P5VF	IOP	04-011	632	P VCC	B6/E1	
P5VF	IOP	04-011	656	P VCC	B6/E1	
P5VF	IOPPS	04-026	024	P VCC	B1/E0	
P5VF	IOPPS	04-026	124	P VCC	B1/E0	
P5VF	IOPPS	04-026	232	P VCC	B1/E0	
P5VF	IOPPS	04-026	332	P VCC	B1/E0	
P5VF	PC00	04-040	000	P VCC	B7/E1	
P5VF	PC00	04-040	024	P VCC	B7/E1	
P5VF	PC00	04-040	100	P VCC	B7/E1	
P5VF	PC00	04-040	124	P VCC	B7/E1	
P5VF	PC01	04-048	000	P VCC	B8/E1	
P5VF	PC01	04-048	024	P VCC	B8/E1	
P5VF	PC01	04-048	100	P VCC	B8/E1	
P5VF	PC01	04-048	124	P VCC	B8/E1	
P5VF	PC01	04-048	224	P VCC	B8/E1	
P5VF	PC02	04-056	000	P VCC	B9/E0	
P5VF	PC02	04-056	024	P VCC	B9/E0	
P5VF	PC02	04-056	100	P VCC	B9/E0	
P5VF	PC02	04-056	124	P VCC	B9/E0	
P5VF	PC03	04-064	000	P VCC	B10/E0	
P5VF	PC03	04-064	024	P VCC	B10/E0	
P5VF	PC03	04-064	100	P VCC	B10/E0	
P5VF	PC03	04-064	124	P VCC	B10/E0	
P5VF	PC10	04-072	000	P VCC	B11/E0	
P5VF	PC10	04-072	024	P VCC	B11/E0	
P5VF	PC10	04-072	100	P VCC	B11/E0	
P5VF	PC10	04-072	124	P VCC	B11/E0	
P5VF	PC11	04-080	000	P VCC	B12/E0	
P5VF	PC11	04-080	024	P VCC	B12/E0	
P5VF	PC11	04-080	100	P VCC	B12/E0	
P5VF	PC11	04-080	124	P VCC	B12/E0	
P5VF	PC12	04-088	000	P VCC	B13/E1	
P5VF	PC12	04-088	024	P VCC	B13/E1	
P5VF	PC12	04-088	100	P VCC	B13/E1	
P5VF	PC12	04-088	124	P VCC	B13/E1	
P5VF	PC12	04-088	224	P VCC	B13/E1	
P5VF	PC13	04-096	000	P VCC	B14/E1	
P5VF	PC13	04-096	024	P VCC	B14/E1	
P5VF	PC13	04-096	100	P VCC	B14/E1	
P5VF	PC13	04-096	124	P VCC	B14/E1	

44 LEAD INDEX (CONTINUED)						
LDESIG	FDESIG	ELI EQL	TRMNO	FN TRMMOD	SYMLOC	XT
P5VF	PC13	04-096	224	P VCC	B14/E1	
P5VG	CONVG	04-034	018	I SA+	B2/E1	
P5VG	CONVG	04-034	045	P +VOUT1_01	B2/E1	
P5VG	CONVG	04-034	046	P +VOUT1_02	B2/E1	
P5VG	CONVG	04-034	047	P +VOUT1_03	B2/E1	
P5VG	CONVG	04-034	048	P +VOUT1_04	B2/E1	
P5VG	CONVG	04-034	049	P +VOUT1_05	B2/E1	
P5VG	CONVG	04-034	050	P +VOUT1_06	B2/E1	
P5VG	CONVG	04-034	051	P +VOUT1_07	B2/E1	
P5VG	CONVG	04-034	052	P +VOUT1_08	B2/E1	
P5VG	CONVG	04-034	053	P +VOUT1_09	B2/E1	
P5VG	CONVG	04-034	054	P +VOUT1_10	B2/E1	
P5VG	CONVG	04-034	055	P +VOUT1_11	B2/E1	
P5VG	CONVG	04-034	056	P +VOUT1_12	B2/E1	
P5VG	CONVG	04-034	145	P +VOUT1_13	B2/E1	
P5VG	CONVG	04-034	146	P +VOUT1_14	B2/E1	
P5VG	CONVG	04-034	147	P +VOUT1_15	B2/E1	
P5VG	CONVG	04-034	148	P +VOUT1_16	B2/E1	
P5VG	CONVG	04-034	149	P +VOUT1_17	B2/E1	
P5VG	CONVG	04-034	150	P +VOUT1_18	B2/E1	
P5VG	CONVG	04-034	151	P +VOUT1_19	B2/E1	
P5VG	CONVG	04-034	152	P +VOUT1_20	B2/E1	
P5VG	CONVG	04-034	153	P +VOUT1_21	B2/E1	
P5VG	CONVG	04-034	154	P +VOUT1_22	B2/E1	
P5VG	CONVG	04-034	155	P +VOUT1_23	B2/E1	
P5VG	CONVG	04-034	156	P +VOUT1_24	B2/E1	
P5VG	CONVG	04-034	245	P +VOUT1_25	B2/E1	
P5VG	CONVG	04-034	246	P +VOUT1_26	B2/E1	
P5VG	CONVG	04-034	247	P +VOUT1_27	B2/E1	
P5VG	CONVG	04-034	248	P +VOUT1_28	B2/E1	
P5VG	CONVG	04-034	249	P +VOUT1_29	B2/E1	
P5VG	CONVG	04-034	250	P +VOUT1_30	B2/E1	
P5VG	CONVG	04-034	251	P +VOUT1_31	B2/E1	
P5VG	CONVG	04-034	252	P +VOUT1_32	B2/E1	
P5VG	CONVG	04-034	253	P +VOUT1_33	B2/E1	
P5VG	CONVG	04-034	254	P +VOUT1_34	B2/E1	
P5VG	CONVG	04-034	255	P +VOUT1_35	B2/E1	
P5VG	CONVG	04-034	256	P +VOUT1_36	B2/E1	
P5VG	CONVG	04-034	345	P +VOUT1_37	B2/E1	
P5VG	CONVG	04-034	346	P +VOUT1_38	B2/E1	
P5VG	CONVG	04-034	347	P +VOUT1_39	B2/E1	
P5VG	CONVG	04-034	348	P +VOUT1_40	B2/E1	
P5VG	CONVG	04-034	349	P +VOUT1_41	B2/E1	
P5VG	CONVG	04-034	350	P +VOUT1_42	B2/E1	
P5VG	CONVG	04-034	351	P +VOUT1_43	B2/E1	
P5VG	CONVG	04-034	352	P +VOUT1_44	B2/E1	
P5VG	CONVG	04-034	353	P +VOUT1_45	B2/E1	
P5VG	CONVG	04-034	354	P +VOUT1_46	B2/E1	
P5VG	CONVG	04-034	355	P +VOUT1_47	B2/E1	
P5VG	CONVG	04-034	356	P +VOUT1_48	B2/E1	
P5VG	PC20	04-108	000	P VCC	B15/E1	
P5VG	PC20	04-108	024	P VCC	B15/E1	
P5VG	PC20	04-108	100	P VCC	B15/E1	
P5VG	PC20	04-108	124	P VCC	B15/E1	
P5VG	PC20	04-108	224	P VCC	B15/E1	
P5VG	PC21	04-116	000	P VCC	B16/E1	
P5VG	PC21	04-116	024	P VCC	B16/E1	
P5VG	PC21	04-116	100	P VCC	B16/E1	
P5VG	PC21	04-116	124	P VCC	B16/E1	
P5VG	PC22	04-124	000	P VCC	B17/E1	
P5VG	PC22	04-124	024	P VCC	B17/E1	
P5VG	PC22	04-124	100	P VCC	B17/E1	
P5VG	PC22	04-124	124	P VCC	B17/E1	
P5VG	PC22	04-124	224	P VCC	B17/E1	
P5VG	PC23	04-132	000	P VCC	B18/E1	
P5VG	PC23	04-132	024	P VCC	B18/E1	
P5VG	PC23	04-132	100	P VCC	B18/E1	
P5VG	PC23	04-132	124	P VCC	B18/E1	
P5VG	PC23	04-132	224	P VCC	B18/E1	
P5VG	PC30	04-140	000	P VCC	B19/E1	
P5VG	PC30	04-140	024	P VCC	B19/E1	
P5VG	PC30	04-140	100	P VCC	B19/E1	
P5VG	PC30	04-140	124	P VCC	B19/E1	
P5VG	PC31	04-148	000	P VCC	B20/E1	
P5VG	PC31	04-148	024	P VCC	B20/E1	
P5VG	PC31	04-148	100	P VCC	B20/E1	
P5VG	PC31	04-148	124	P VCC	B20/E1	
P5VG	PC31	04-148	224	P VCC	B20/E1	
P5VG	PC32	04-156	000	P VCC	B21/E1	
P5VG	PC32	04-156	024	P VCC	B21/E1	
P5VG	PC32	04-156	100	P VCC	B21/E1	
P5VG	PC32	04-156	124	P VCC	B21/E1	
P5VG	PC32	04-156	224	P VCC	B21/E1	
P5VG	PC33	04-164	000	P VCC	B22/E1	
P5VG	PC33	04-164	024	P VCC	B22/E1	
P5VG	PC33	04-164	100	P VCC	B22/E1	
P5VG	PC33	04-164	124	P VCC	B22/E1	
P5VG	PC33	04-164	224	P VCC	B22/E1	
P5VH	DFCB	04-172	018	P VCC	B4/E2	
P5VH	DFCB	04-172	023	P VCC	B4/E2	
P5VH	DFCB	04-172	024	P VCC	B4/E2	

45 LEAD INDEX (CONTINUED)						
LDESIG	FDESIG	ELI EQL	TRMNO	FN TRMMOD	SYMLOC	XT
P5VH	DFCB	04-172	032	P VCC	B4/E2	
P5VH	DFCB	04-172	033	P VCC	B4/E2	
P5VH	DFCB	04-172	045	P VCC	B4/E2	
P5VH	DFCB	04-172	056	P VCC	B4/E2	
P5VH	DFCB	04-172	113	P VCC	B4/E2	
P5VH	DFCB	04-172	121	P VCC	B4/E2	
P5VH	DFCB	04-172	124	P VCC	B4/E2	
P5VH	DFCB	04-172	132	P VCC	B4/E2	
P5VH	DFCB	04-172	133	P VCC	B4/E2	
P5VH	DFCB	04-172	137	P VCC	B4/E2	
P5VH	DFCB	04-172	156	P VCC	B4/E2	
P5VH	DFCB	04-172	209	P VCC	B4/E2	
P5VH	DFCB	04-172	212	P VCC	B4/E2	
P5VH	DFCB	04-172	214	P VCC	B4/E2	
P5VH	DFCB	04-172	235	P VCC	B4/E2	
P5VH	DFCB	04-172	308	P VCC	B4/E2	
P5VH	DFCB	04-172	319	P VCC	B4/E2	
P5VH	DFCB	04-172	343	P VCC	B4/E2	
P						

46 LEAD INDEX (CONTINUED)								
LDESIG	FDESIG	ELI EQL	TRMNO	FN TRMMOD	SYMLOC	XT		
P5VH	CONVH	04-190	352	P +VOUTL_44	B5/F3			
P5VH	CONVH	04-190	353	P +VOUTL_45	B5/F3			
P5VH	CONVH	04-190	354	P +VOUTL_46	B5/F3			
P5VH	CONVH	04-190	355	P +VOUTL_47	B5/F3			
P5VH	CONVH	04-190	356	P +VOUTL_48	B5/F3			
PR110	DFCB	04-172	050	O PR110	B4/E2			
PR110	DFCA	04-180	001	I PR110	B3/E0			
PWRST0	DFCB	04-172	053	O PWRST00	B4/E2			
PWRST0	DFCA	04-180	237	I PWRSTI0	B3/E0			
RBPA0	DFCB	04-172	354	O RBPA0	B4/E2			
RBPA0	DFCA	04-180	333	I RBPA0	B3/E0			
RBPB0	DFCB	04-172	353	O RBPB0	B4/E2			
RBPB0	DFCA	04-180	233	I RBPB0	B3/E0			
REMP1	DFCB	04-172	051	O REMP1	B4/E2			
REMP1	DFCA	04-180	243	I REMP1	B3/E0			
REQ0N	DFCA	04-180	011	IO REQ0BN	B3/E0	*		
REQ0P	DFCA	04-180	110	IO REQ0BP	B3/E0	*		
REQ1N	DFCA	04-180	024	IO REQ1BN	B3/E0	*		
REQ1P	DFCA	04-180	123	IO REQ1BP	B3/E0	*		
REQXN	04-063	04-063	022	IO	B23/B6	*		
REQXN	04-071	04-071	022	IO	B23/B5	*		
REQXN	04-095	04-095	022	IO	B23/B8	*		
REQXN	04-139	04-139	022	IO	B23/B3	*		
REQXN	04-171	04-171	022	IO	B23/B1	*		
REQXN	DFCA	04-180	322	IO REQXN	B3/E0	*		
REQXP	04-062	04-062	022	IO	B23/E6	*		
REQXP	04-070	04-070	022	IO	B23/E5	*		
REQXP	04-094	04-094	022	IO	B23/E8	*		
REQXP	04-138	04-138	022	IO	B23/E3	*		
REQXP	04-170	04-170	022	IO	B23/E1	*		
REQXP	DFCA	04-180	222	IO REQXP	B3/E0	*		
REQYN	04-047	04-047	022	IO	B24/B8	*		
REQYN	04-055	04-055	022	IO	B24/B6	*		
REQYN	04-087	04-087	022	IO	B24/B4	*		
REQYN	04-123	04-123	022	IO	B24/B3	*		
REQYN	04-155	04-155	022	IO	B24/B1	*		
REQYN	DFCA	04-180	522	IO REQYN	B3/E0	*		
REQYP	04-046	04-046	022	IO	B24/E8	*		
REQYP	04-054	04-054	022	IO	B24/E6	*		
REQYP	04-086	04-086	022	IO	B24/E4	*		
REQYP	04-122	04-122	022	IO	B24/E3	*		
REQYP	04-154	04-154	022	IO	B24/E1	*		
REQYP	DFCA	04-180	422	IO REQYP	B3/E0	*		
RESX1	04-063	04-063	013	IO	B23/C6	*		
RESX1	04-071	04-071	013	IO	B23/C5	*		
RESX1	04-095	04-095	013	IO	B23/C8	*		
RESX1	04-139	04-139	013	IO	B23/C3	*		
RESX1	04-171	04-171	013	IO	B23/C1	*		
RESX1	DFCA	04-180	313	G GNDB	B3/E0	*		
RESX2	04-062	04-062	013	IO	B23/F6	*		
RESX2	04-070	04-070	013	IO	B23/F5	*		
RESX2	04-094	04-094	013	IO	B23/F8	*		
RESX2	04-138	04-138	013	IO	B23/F3	*		
RESX2	04-170	04-170	013	IO	B23/F1	*		
RESX2	DFCA	04-180	213	G GNDB	B3/E0	*		
RESX3	04-063	04-063	011	IO	B23/C6	*		
RESX3	04-071	04-071	011	IO	B23/C5	*		
RESX3	04-095	04-095	011	IO	B23/C8	*		
RESX3	04-139	04-139	011	IO	B23/C3	*		
RESX3	04-171	04-171	011	IO	B23/C1	*		
RESX3	DFCA	04-180	311	G GNDB	B3/E0	*		
RESX4	04-062	04-062	011	IO	B23/F6	*		
RESX4	04-070	04-070	011	IO	B23/F5	*		
RESX4	04-094	04-094	011	IO	B23/F8	*		
RESX4	04-138	04-138	011	IO	B23/F3	*		
RESX4	04-170	04-170	011	IO	B23/F1	*		
RESX4	DFCA	04-180	211	G GNDB	B3/E0	*		
RESY1	04-047	04-047	013	IO	B24/C8	*		
RESY1	04-055	04-055	013	IO	B24/C6	*		
RESY1	04-087	04-087	013	IO	B24/C4	*		
RESY1	04-123	04-123	013	IO	B24/C3	*		
RESY1	04-155	04-155	013	IO	B24/C1	*		
RESY1	DFCA	04-180	513	G GNDA	B3/E0	*		
RESY2	04-046	04-046	013	IO	B24/F8	*		
RESY2	04-054	04-054	013	IO	B24/F6	*		
RESY2	04-086	04-086	013	IO	B24/F4	*		

47 LEAD INDEX (CONTINUED)							
LDESIG	FDESIG	ELI EQL	TRMNO	FN TRMMOD	SYMLOC	XT	
RESY2	04-122	04-122	013	IO	B24/F3	*	
RESY2	04-154	04-154	013	IO	B24/F1	*	
RESY2	DFCA	04-180	413	G GNDA	B3/E0	*	
RESY3	04-047	04-047	011	IO	B24/C8	*	
RESY3	04-055	04-055	011	IO	B24/C6	*	
RESY3	04-087	04-087	011	IO	B24/C4	*	
RESY3	04-123	04-123	011	IO	B24/C3	*	
RESY3	04-155	04-155	011	IO	B24/C1	*	
RESY3	DFCA	04-180	511	G GNDA	B3/E0	*	
RESY4	04-046	04-046	011	IO	B24/F8	*	
RESY4	04-054	04-054	011	IO	B24/F6	*	
RESY4	04-086	04-086	011	IO	B24/F4	*	
RESY4	04-122	04-122	011	IO	B24/F3	*	
RESY4	04-154	04-154	011	IO	B24/F1	*	
RESY4	DFCA	04-180	411	G GNDA	B3/E0	*	
REZ00N	IOP	04-011	411	O REZ00N	B6/E1	*	
REZ00P	IOP	04-011	510	O REZ00P	B6/E1	*	
REZ01N	IOP	04-011	611	O REZ01N	B6/E1	*	
REZ01P	IOP	04-011	710	O REZ01P	B6/E1	*	
RISL800	IOP	04-011	721	O RISL8000	B6/E1	*	
RISL800	PC00	04-040	006	I RISL80	B7/E1	*	
RISL800	PC01	04-048	006	I RISL80	B8/E1	*	
RISL800	PC02	04-056	006	I RISL80	B9/E1	*	
RISL800	PC03	04-064	006	I RISL80	B10/E1	*	
RISL810	IOP	04-011	321	O RISL8100	B6/E1	*	
RISL810	PC10	04-072	006	I RISL80	B11/E1	*	
RISL810	PC11	04-080	006	I RISL80	B12/E1	*	
RISL810	PC12	04-088	006	I RISL80	B13/E1	*	
RISL810	PC13	04-096	006	I RISL80	B14/E1	*	
RISL820	IOP	04-011	521	O RISL8200	B6/E1	*	
RISL820	PC20	04-108	006	I RISL80	B15/E1	*	
RISL820	PC21	04-116	006	I RISL80	B16/E1	*	
RISL820	PC22	04-124	006	I RISL80	B17/E1	*	
RISL820	PC23	04-132	006	I RISL80	B18/E1	*	
RISL830	IOP	04-011	121	O RISL8300	B6/E1	*	
RISL830	PC30	04-140	006	I RISL80	B19/E1	*	
RISL830	PC31	04-148	006	I RISL80	B20/E1	*	
RISL830	PC32	04-156	006	I RISL80	B21/E1	*	
RISL830	PC33	04-164	006	I RISL80	B22/E1	*	
RSTXN	04-063	04-063	018	IO	B23/B6	*	
RSTXN	04-071	04-071	018	IO	B23/B5	*	
RSTXN	04-095	04-095	018	IO	B23/B8	*	
RSTXN	04-139	04-139	018	IO	B23/B3	*	
RSTXN	04-171	04-171	018	IO	B23/B1	*	
RSTXN	DFCA	04-180	318	IO RSTXN	B3/E0	*	
RSTXP	04-062	04-062	018	IO	B23/E6	*	
RSTXP	04-070	04-070	018	IO	B23/E5	*	
RSTXP	04-094	04-094	018	IO	B23/E8	*	
RSTXP	04-138	04-138	018	IO	B23/E3	*	
RSTXP	04-170	04-170	018	IO	B23/E1	*	
RSTXP	DFCA	04-180	218	IO RSTXP	B3/E0	*	
RSTYN	04-047	04-047	018	IO	B24/C8	*	
RSTYN	04-055	04-055	018	IO	B24/C6	*	
RSTYN	04-087	04-087	018	IO	B24/C4	*	
RSTYN	04-123	04-123	018	IO	B24/C3	*	
RSTYN	04-155	04-155	018	IO	B24/C1	*	
RSTYN	DFCA	04-180	518	IO RSTYN	B3/E0	*	
RSTYP	04-046	04-046	018	IO	B24/E8	*	
RSTYP	04-054	04-054	018	IO	B24/E6	*	
RSTYP	04-086	04-086	018	IO	B24/E4	*	
RSTYP	04-122	04-122	018	IO	B24/E3	*	
RSTYP	04-154	04-154	018	IO	B24/E1	*	
RSTYP	DFCA	04-180	418	IO RSTYP	B3/E0	*	
SBAER0	DFCB	04-172	151	I BAER00	B4/E2		
SBAER0	DFCA	04-180	340	O SBAER00	B3/E0		
SBPA0	DFCB	04-172	252	O SBPA0	B4/E2		
SBPA0	DFCA	04-180	352	I SBPA0	B3/E0		
SBPB0	DFCB	04-172	351	O SBPB0	B4/E2		
SBPB0	DFCA	04-180	351	I SBPB0	B3/E0		
SDX0N	04-063	04-063	001	IO	B23/D6	*	
SDX0N	04-071	04-071	001	IO	B23/D5	*	
SDX0N	04-095	04-095	001	IO	B23/D8	*	
SDX0N	04-139	04-139	001	IO	B23/D3	*	
SDX0N	04-171	04-171	001	IO	B23/D1	*	
SDX0N	DFCA	04-180	301	IO SDB0N	B3/E0	*	
SDX0P	04-062	04-062	001	IO	B23/G6	*	

48 LEAD INDEX (CONTINUED)							
LDESIG	FDESIG	ELI EQL	TRMNO	FN TRMMOD	SYMLOC	XT	
SDX0P	04-070	04-070	001	IO	B23/G5	*	
SDX0P	04-094	04-094	001	IO	B23/G8	*	
SDX0P	04-138	04-138	001	IO	B23/G3	*	
SDX0P	04-170	04-170	001	IO	B23/G1	*	
SDX0P	DFCA	04-180	201	IO SDB0P	B3/E0	*	
SDX1N	04-063	04-063	002	IO	B23/D6	*	
SDX1N	04-071	04-071	002	IO	B23/D5	*	
SDX1N	04-095	04-095	002	IO	B23/D8	*	
SDX1N	04-139	04-139	002	IO	B23/D3	*	
SDX1N	04-171	04-171	002	IO	B23/D1	*	
SDX1N	DFCA	04-180	302	IO SDB1N	B3/E0	*	
SDX1P	04-062	04-062	002	IO	B23/G6	*	
SDX1P	04-070	04-070	002	IO	B23/G5	*	
SDX1P	04-094	04-094	002	IO	B23/G8	*	
SDX1P	04-138	04-138	002	IO	B23/G3	*	
SDX1P	04-170	04-170	002	IO	B23/G1	*	
SDX1P	DFCA	04-180	202	IO SDB1P	B3/E0	*	
SDX2N	04-063	04-063	003	IO	B23/D6	*	
SDX2N	04-071	04-071	003	IO	B23/D5	*	
SDX2N	04-095	04-095	003	IO	B23/D8	*	
SDX2N	04-139	04-139	003	IO	B23/D3	*	
SDX2N	04-171	04-171	003	IO	B23/D1	*	
SDX2N	DFCA	04-180	303	IO SDB2N	B3/E0	*	
SDX2P	04-062	04-062	003	IO	B23/G6	*	
SDX2P	04-070	04-070	003	IO	B23/G5	*	
SDX2P	04-094	04-094	003	IO	B23/G8	*	
SDX2P	04-138	04-138	003	IO	B23/G3	*	
SDX2P	04-170	04-170	003	IO	B23/G1	*	
SDX2P	DFCA	04-180	203	IO SDB2P	B3/E0	*	
SDX3N	04-063	04-063	004	IO			

49 LEAD INDEX (CONTINUED)							
LDESIG	FDESIG	ELI EQL	TRMNO	FN TRMMOD	SYMLOC	XT	
SDX6N	04-063	04-063	007	IO	B23/C6	*	
SDX6N	04-071	04-071	007	IO	B23/C5	*	
SDX6N	04-095	04-095	007	IO	B23/C8	*	
SDX6N	04-139	04-139	007	IO	B23/C3	*	
SDX6N	04-171	04-171	007	IO	B23/C1	*	
SDX6N	DFCA	04-180	307	IO	SDB6N	B3/E0	*
SDX6P	04-062	04-062	007	IO	B23/F6	*	
SDX6P	04-070	04-070	007	IO	B23/F5	*	
SDX6P	04-094	04-094	007	IO	B23/F8	*	
SDX6P	04-138	04-138	007	IO	B23/F3	*	
SDX6P	04-170	04-170	007	IO	B23/F1	*	
SDX6P	DFCA	04-180	207	IO	SDB6P	B3/E0	*
SDX7N	04-063	04-063	008	IO	B23/C6	*	
SDX7N	04-071	04-071	008	IO	B23/C5	*	
SDX7N	04-095	04-095	008	IO	B23/C8	*	
SDX7N	04-139	04-139	008	IO	B23/C3	*	
SDX7N	04-171	04-171	008	IO	B23/C1	*	
SDX7N	DFCA	04-180	308	IO	SDB7N	B3/E0	*
SDX7P	04-062	04-062	008	IO	B23/F6	*	
SDX7P	04-070	04-070	008	IO	B23/F5	*	
SDX7P	04-094	04-094	008	IO	B23/F8	*	
SDX7P	04-138	04-138	008	IO	B23/F3	*	
SDX7P	04-170	04-170	008	IO	B23/F1	*	
SDX7P	DFCA	04-180	208	IO	SDB7P	B3/E0	*
SDXPN	04-063	04-063	009	IO	B23/C6	*	
SDXPN	04-071	04-071	009	IO	B23/C5	*	
SDXPN	04-095	04-095	009	IO	B23/C8	*	
SDXPN	04-139	04-139	009	IO	B23/C3	*	
SDXPN	04-171	04-171	009	IO	B23/C1	*	
SDXPN	DFCA	04-180	309	IO	SDBPN	B3/E0	*
SDXPP	04-062	04-062	009	IO	B23/F6	*	
SDXPP	04-070	04-070	009	IO	B23/F5	*	
SDXPP	04-094	04-094	009	IO	B23/F8	*	
SDXPP	04-138	04-138	009	IO	B23/F3	*	
SDXPP	04-170	04-170	009	IO	B23/F1	*	
SDXPP	DFCA	04-180	209	IO	SDBPP	B3/E0	*
SDY0N	04-047	04-047	001	IO	B24/D8	*	
SDY0N	04-055	04-055	001	IO	B24/D6	*	
SDY0N	04-087	04-087	001	IO	B24/D4	*	
SDY0N	04-123	04-123	001	IO	B24/D3	*	
SDY0N	04-155	04-155	001	IO	B24/D1	*	
SDY0N	DFCA	04-180	501	IO	SDA0N	B3/E0	*
SDY0P	04-046	04-046	001	IO	B24/G8	*	
SDY0P	04-054	04-054	001	IO	B24/G6	*	
SDY0P	04-086	04-086	001	IO	B24/G4	*	
SDY0P	04-122	04-122	001	IO	B24/G3	*	
SDY0P	04-154	04-154	001	IO	B24/G1	*	
SDY0P	DFCA	04-180	401	IO	SDA0P	B3/E0	*
SDY1N	04-047	04-047	002	IO	B24/D8	*	
SDY1N	04-055	04-055	002	IO	B24/D6	*	
SDY1N	04-087	04-087	002	IO	B24/D4	*	
SDY1N	04-123	04-123	002	IO	B24/D3	*	
SDY1N	04-155	04-155	002	IO	B24/D1	*	
SDY1N	DFCA	04-180	502	IO	SDA1N	B3/E0	*
SDY1P	04-046	04-046	002	IO	B24/G8	*	
SDY1P	04-054	04-054	002	IO	B24/G6	*	
SDY1P	04-086	04-086	002	IO	B24/G4	*	
SDY1P	04-122	04-122	002	IO	B24/G3	*	
SDY1P	04-154	04-154	002	IO	B24/G1	*	
SDY1P	DFCA	04-180	402	IO	SDA1P	B3/E0	*
SDY2N	04-047	04-047	003	IO	B24/D8	*	
SDY2N	04-055	04-055	003	IO	B24/D6	*	
SDY2N	04-087	04-087	003	IO	B24/D4	*	
SDY2N	04-123	04-123	003	IO	B24/D3	*	
SDY2N	04-155	04-155	003	IO	B24/D1	*	
SDY2N	DFCA	04-180	503	IO	SDA2N	B3/E0	*
SDY2P	04-046	04-046	003	IO	B24/G8	*	
SDY2P	04-054	04-054	003	IO	B24/G6	*	
SDY2P	04-086	04-086	003	IO	B24/G4	*	
SDY2P	04-122	04-122	003	IO	B24/G3	*	
SDY2P	04-154	04-154	003	IO	B24/G1	*	
SDY2P	DFCA	04-180	403	IO	SDA2P	B3/E0	*
SDY3N	04-047	04-047	004	IO	B24/D8	*	
SDY3N	04-055	04-055	004	IO	B24/D6	*	
SDY3N	04-087	04-087	004	IO	B24/D4	*	
SDY3N	04-123	04-123	004	IO	B24/D3	*	
SDY3N	04-155	04-155	004	IO	B24/D1	*	
SDY3N	DFCA	04-180	504	IO	SDA3N	B3/E0	*
SDY3P	04-046	04-046	004	IO	B24/G8	*	
SDY3P	04-054	04-054	004	IO	B24/G6	*	
SDY3P	04-086	04-086	004	IO	B24/G4	*	
SDY3P	04-122	04-122	004	IO	B24/G3	*	

50 LEAD INDEX (CONTINUED)							
LDESIG	FDESIG	ELI EQL	TRMNO	FN TRMMOD	SYMLOC	XT	
SDY3P	04-154	04-154	004	IO	B24/G1	*	
SDY3P	DFCA	04-180	404	IO	SDA3P	B3/E0	*
SDY4N	04-047	04-047	005	IO	B24/D8	*	
SDY4N	04-055	04-055	005	IO	B24/D6	*	
SDY4N	04-087	04-087	005	IO	B24/D4	*	
SDY4N	04-123	04-123	005	IO	B24/D3	*	
SDY4N	04-155	04-155	005	IO	B24/D1	*	
SDY4N	DFCA	04-180	505	IO	SDA4N	B3/E0	*
SDY4P	04-046	04-046	005	IO	B24/G8	*	
SDY4P	04-054	04-054	005	IO	B24/G6	*	
SDY4P	04-086	04-086	005	IO	B24/G4	*	
SDY4P	04-122	04-122	005	IO	B24/G3	*	
SDY4P	04-154	04-154	005	IO	B24/G1	*	
SDY4P	DFCA	04-180	405	IO	SDA4P	B3/E0	*
SDY5N	04-047	04-047	006	IO	B24/D8	*	
SDY5N	04-055	04-055	006	IO	B24/D6	*	
SDY5N	04-087	04-087	006	IO	B24/D4	*	
SDY5N	04-123	04-123	006	IO	B24/D3	*	
SDY5N	04-155	04-155	006	IO	B24/D1	*	
SDY5N	DFCA	04-180	506	IO	SDA5N	B3/E0	*
SDY5P	04-046	04-046	006	IO	B24/F8	*	
SDY5P	04-054	04-054	006	IO	B24/F6	*	
SDY5P	04-086	04-086	006	IO	B24/F4	*	
SDY5P	04-122	04-122	006	IO	B24/F3	*	
SDY5P	04-154	04-154	006	IO	B24/F1	*	
SDY5P	DFCA	04-180	406	IO	SDA5P	B3/E0	*
SDY6N	04-047	04-047	007	IO	B24/D8	*	
SDY6N	04-055	04-055	007	IO	B24/D6	*	
SDY6N	04-087	04-087	007	IO	B24/D4	*	
SDY6N	04-123	04-123	007	IO	B24/D3	*	
SDY6N	04-155	04-155	007	IO	B24/D1	*	
SDY6N	DFCA	04-180	507	IO	SDA6N	B3/E0	*
SDY6P	04-046	04-046	007	IO	B24/F8	*	
SDY6P	04-054	04-054	007	IO	B24/F6	*	
SDY6P	04-086	04-086	007	IO	B24/F4	*	
SDY6P	04-122	04-122	007	IO	B24/F3	*	
SDY6P	04-154	04-154	007	IO	B24/F1	*	
SDY6P	DFCA	04-180	407	IO	SDA6P	B3/E0	*
SDY7N	04-047	04-047	008	IO	B24/C8	*	
SDY7N	04-055	04-055	008	IO	B24/C6	*	
SDY7N	04-087	04-087	008	IO	B24/C4	*	
SDY7N	04-123	04-123	008	IO	B24/C3	*	
SDY7N	04-155	04-155	008	IO	B24/C1	*	
SDY7N	DFCA	04-180	508	IO	SDA7N	B3/E0	*
SDY7P	04-046	04-046	008	IO	B24/F8	*	
SDY7P	04-054	04-054	008	IO	B24/F6	*	
SDY7P	04-086	04-086	008	IO	B24/F4	*	
SDY7P	04-122	04-122	008	IO	B24/F3	*	
SDY7P	04-154	04-154	008	IO	B24/F1	*	
SDY7P	DFCA	04-180	408	IO	SDA7P	B3/E0	*
SDYPN	04-047	04-047	009	IO	B24/C8	*	
SDYPN	04-055	04-055	009	IO	B24/C6	*	
SDYPN	04-087	04-087	009	IO	B24/C4	*	
SDYPN	04-123	04-123	009	IO	B24/C3	*	
SDYPN	04-155	04-155	009	IO	B24/C1	*	
SDYPN	DFCA	04-180	509	IO	SDAPN	B3/E0	*
SDYPP	04-046	04-046	009	IO	B24/F8	*	
SDYPP	04-054	04-054	009	IO	B24/F6	*	
SDYPP	04-086	04-086	009	IO	B24/F4	*	
SDYPP	04-122	04-122	009	IO	B24/F3	*	
SDYPP	04-154	04-154	009	IO	B24/F1	*	
SDYPP	DFCA	04-180	409	IO	SDAPP	B3/E0	*
SEL000	IOP	04-011	701	O	SEL0000	B6/E1	
SEL000	PC00	04-040	003	I	PCSEL0	B7/E1	
SEL010	IOP	04-011	702	O	SEL0100	B6/E1	
SEL010	PC01	04-048	003	I	PCSEL0	B8/E1	
SEL020	IOP	04-011	703	O	SEL0200	B6/E1	
SEL020	PC02	04-056	003	I	PCSEL0	B9/E0	
SEL030	IOP	04-011	704	O	SEL0300	B6/E1	
SEL030	PC03	04-064	003	I	PCSEL0	B10/E0	
SEL100	IOP	04-011	301	O	SEL1000	B6/E1	
SEL100	PC10	04-072	003	I	PCSEL0	B11/E0	
SEL110	IOP	04-011	302	O	SEL1100	B6/E1	
SEL110	PC11	04-080	003	I	PCSEL0	B12/E0	
SEL120	IOP	04-011	303	O	SEL1200	B6/E1	
SEL120	PC12	04-088	003	I	PCSEL0	B13/E1	
SEL130	IOP	04-011	304	O	SEL1300	B6/E1	

51 LEAD INDEX (CONTINUED)							
LDESIG	FDESIG	ELI EQL	TRMNO	FN TRMMOD	SYMLOC	XT	
SEL130	PC13	04-096	003	I	PCSEL0	B14/E1	
SEL200	IOP	04-011	501	O	SEL2000	B6/E1	
SEL200	PC20	04-108	003	I	PCSEL0	B15/E1	
SEL210	IOP	04-011	502	O	SEL2100	B6/E1	
SEL210	PC21	04-116	003	I	PCSEL0	B16/E1	
SEL220	IOP	04-011	503	O	SEL2200	B6/E1	
SEL220	PC22	04-124	003	I	PCSEL0	B17/E1	
SEL230	IOP	04-011	504	O	SEL2300	B6/E1	
SEL230	PC23	04-132	003	I	PCSEL0	B18/E1	
SEL300	IOP	04-011	101	O	SEL3000	B6/E1	
SEL300	PC30	04-140	003	I	PCSEL0	B19/E1	
SEL310	IOP	04-011	102	O	SEL3100	B6/E1	
SEL310	PC31	04-148	003	I	PCSEL0	B20/E1	
SEL320	IOP	04-011	103	O	SEL3200	B6/E1	
SEL320	PC32	04-156	003	I	PCSEL0	B21/E1	
SEL330	IOP	04-011	104	O	SEL3300	B6/E1	
SEL330	PC33	04-164	003	I	PCSEL0	B22/E1	
SELXN	04-063	04-063	020	IO	B23/B6	*	
SELXN	04-071	04-071	020	IO	B23/B5	*	
SELXN	04-095	04-095	020	IO	B23/B8	*	

52 LEAD INDEX (CONTINUED)						
LDESIG	FDESIG	ELI EQL	TRMNO	FN TRMMOD	SYMLOC	XT
SISL820	PC22	04-124	106	I SISL80	B17/E1	
SISL820	PC23	04-132	106	I SISL80	B18/E1	
SISL830	IOP	04-011	021	O SISL8300	B6/E1	
SISL830	PC30	04-140	106	I SISL80	B19/E1	
SISL830	PC31	04-148	106	I SISL80	B20/E1	
SISL830	PC32	04-156	106	I SISL80	B21/E1	
SISL830	PC33	04-164	106	I SISL80	B22/E1	
SNTYCP1	DFCB	04-172	241	I SNTYCP1	B4/E2	
SNTYCP1	DFCA	04-180	016	O SNTYCP1	B3/E0	
SNTYERR0	DFCB	04-172	139	O SNTYERR0	B4/E2	
SNTYERR0	DFCA	04-180	017	I SNTYERR0	B3/E0	
SPERR0	DFCB	04-172	041	O SPERR0	B4/E2	
SPERR0	DFCA	04-180	115	I SPERR10	B3/E0	
SR000	IOP	04-011	722	I SR000	B6/E1	
SR000	PC00	04-040	001	O SR0	B7/E1	
SR010	IOP	04-011	622	I SR010	B6/E1	
SR010	PC01	04-048	001	O SR0	B8/E1	
SR020	IOP	04-011	723	I SR020	B6/E1	
SR020	PC02	04-056	001	O SR0	B9/E0	
SR030	IOP	04-011	623	I SR030	B6/E1	
SR030	PC03	04-064	001	O SR0	B10/E0	
SR100	IOP	04-011	322	I SR100	B6/E1	
SR100	PC10	04-072	001	O SR0	B11/E0	
SR110	IOP	04-011	222	I SR110	B6/E1	
SR110	PC11	04-080	001	O SR0	B12/E0	
SR120	IOP	04-011	323	I SR120	B6/E1	
SR120	PC12	04-088	001	O SR0	B13/E1	
SR130	IOP	04-011	223	I SR130	B6/E1	
SR130	PC13	04-096	001	O SR0	B14/E1	
SR200	IOP	04-011	522	I SR200	B6/E1	
SR200	PC20	04-108	001	O SR0	B15/E1	
SR210	IOP	04-011	422	I SR210	B6/E1	
SR210	PC21	04-116	001	O SR0	B16/E1	
SR220	IOP	04-011	523	I SR220	B6/E1	
SR220	PC22	04-124	001	O SR0	B17/E1	
SR230	IOP	04-011	423	I SR230	B6/E1	
SR230	PC23	04-132	001	O SR0	B18/E1	
SR300	IOP	04-011	122	I SR300	B6/E1	
SR300	PC30	04-140	001	O SR0	B19/E1	
SR310	IOP	04-011	022	I SR310	B6/E1	
SR310	PC31	04-148	001	O SR0	B20/E1	
SR320	IOP	04-011	123	I SR320	B6/E1	
SR320	PC32	04-156	001	O SR0	B21/E1	
SR330	IOP	04-011	023	I SR330	B6/E1	
SR330	PC33	04-164	001	O SR0	B22/E1	
STAION	DFCA	04-180	235	O STAION	B3/E0	
STAION	CONVH	04-190	110	IO RS2	B5/F3	
STAIOP	DFCA	04-180	335	O STAIOP	B3/E0	
STAIOP	CONVH	04-190	011	IO RS1	B5/F3	
SWPER0	DFCB	04-172	040	O SWPER0	B4/E2	
SWPER0	DFCA	04-180	114	I SWPER10	B3/E0	
SWTIM10	DFCB	04-172	335	I SWTIM11	B4/E2	
SWTIM10	DFCA	04-180	014	IO SWTIM10	B3/E0	
SWTIM20	DFCB	04-172	339	I SWTIM21	B4/E2	
SWTIM20	DFCA	04-180	105	IO SWTIM20	B3/E0	
TERMPWRX	04-062	04-062	012	IO	B23/F6	*
TERMPWRX	04-063	04-063	012	IO	B23/C6	*
TERMPWRX	04-070	04-070	012	IO	B23/F5	*
TERMPWRX	04-071	04-071	012	IO	B23/C5	*
TERMPWRX	04-094	04-094	012	IO	B23/F8	*
TERMPWRX	04-095	04-095	012	IO	B23/C8	*
TERMPWRX	04-138	04-138	012	IO	B23/F3	*
TERMPWRX	04-139	04-139	012	IO	B23/C3	*
TERMPWRX	04-170	04-170	012	IO	B23/F1	*
TERMPWRX	04-171	04-171	012	IO	B23/C1	*
TERMPWRX	DFCA	04-180	212	O TERMPWRB	B3/E0	*
TERMPWRX	DFCA	04-180	312	O TERMPWRB	B3/E0	*
TERMPWRY	04-046	04-046	012	IO	B24/F8	*

53 LEAD INDEX (CONTINUED)						
LDESIG	FDESIG	ELI EQL	TRMNO	FN TRMMOD	SYMLOC	XT
TERMPWRY	04-047	04-047	012	IO	B24/C8	*
TERMPWRY	04-054	04-054	012	IO	B24/F6	*
TERMPWRY	04-055	04-055	012	IO	B24/C6	*
TERMPWRY	04-086	04-086	012	IO	B24/F4	*
TERMPWRY	04-087	04-087	012	IO	B24/C4	*
TERMPWRY	04-122	04-122	012	IO	B24/F3	*
TERMPWRY	04-123	04-123	012	IO	B24/C3	*
TERMPWRY	04-154	04-154	012	IO	B24/F1	*
TERMPWRY	04-155	04-155	012	IO	B24/C1	*
TERMPWRY	DFCA	04-180	412	O TERMPWRA	B3/E0	*
TERMPWRY	DFCA	04-180	512	O TERMPWRA	B3/E0	*
XCK00N	IOP	04-011	408	I XCK00IN	B6/E1	*
XCK00P	IOP	04-011	507	I XCK00IP	B6/E1	*
XCK01N	IOP	04-011	608	I XCK01IN	B6/E1	*
XCK01P	IOP	04-011	707	I XCK01IP	B6/E1	*
XCK0N	DFCA	04-180	008	I XCK0IN	B3/E0	*
XCK0P	DFCA	04-180	107	I XCK0IP	B3/E0	*
XCK1N	DFCA	04-180	021	I XCK1IN	B3/E0	*
XCK1P	DFCA	04-180	120	I XCK1IP	B3/E0	*

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GROWTH UNIT		DWG SIZE	ISSUE
		C2	2B
AT&T	SD-3T012-01	SHEET A21	

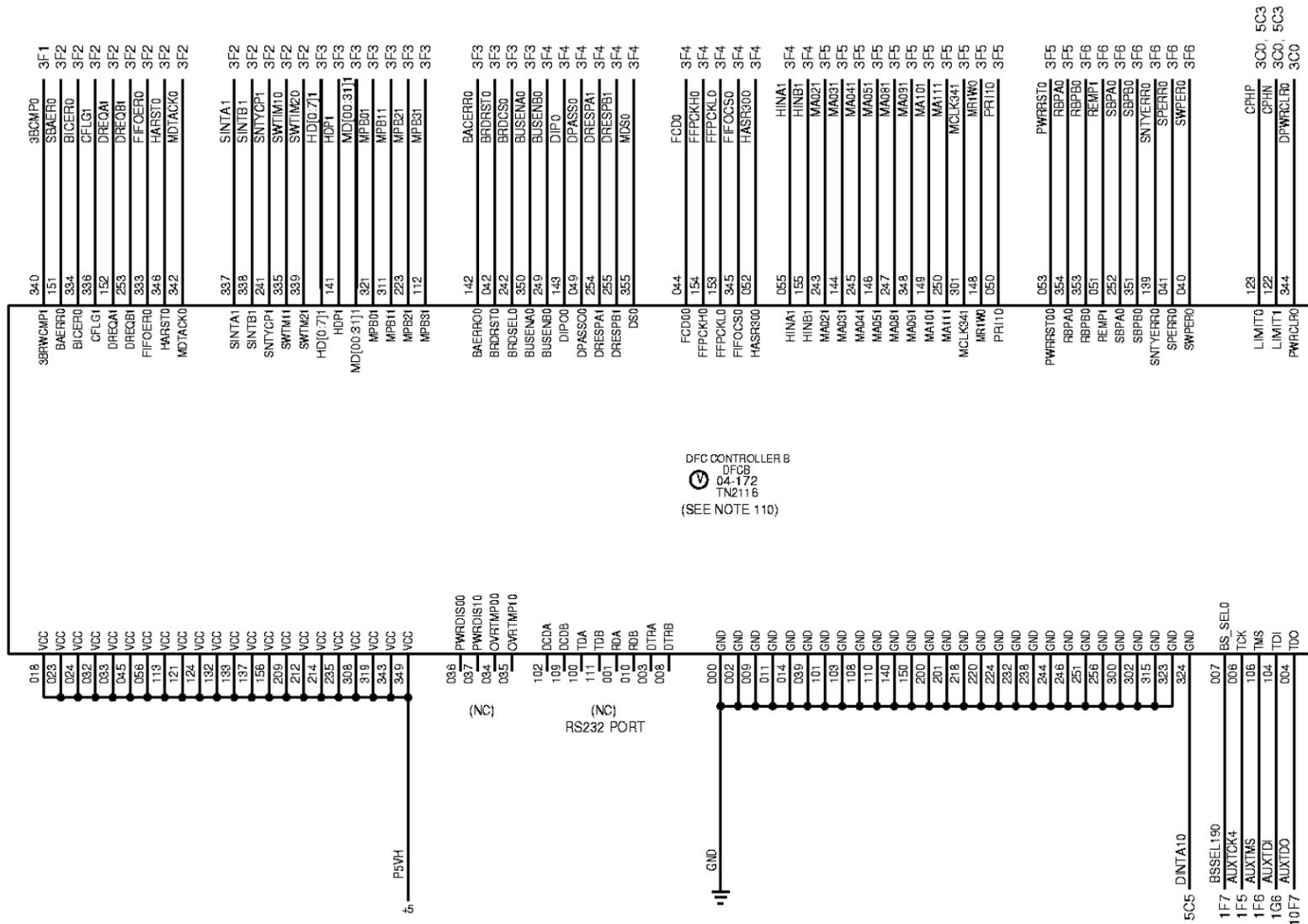






# PART OF FS 2

DFC



THE TN2116 DOES NOT SUPPORT BOUNDARY SCAN.

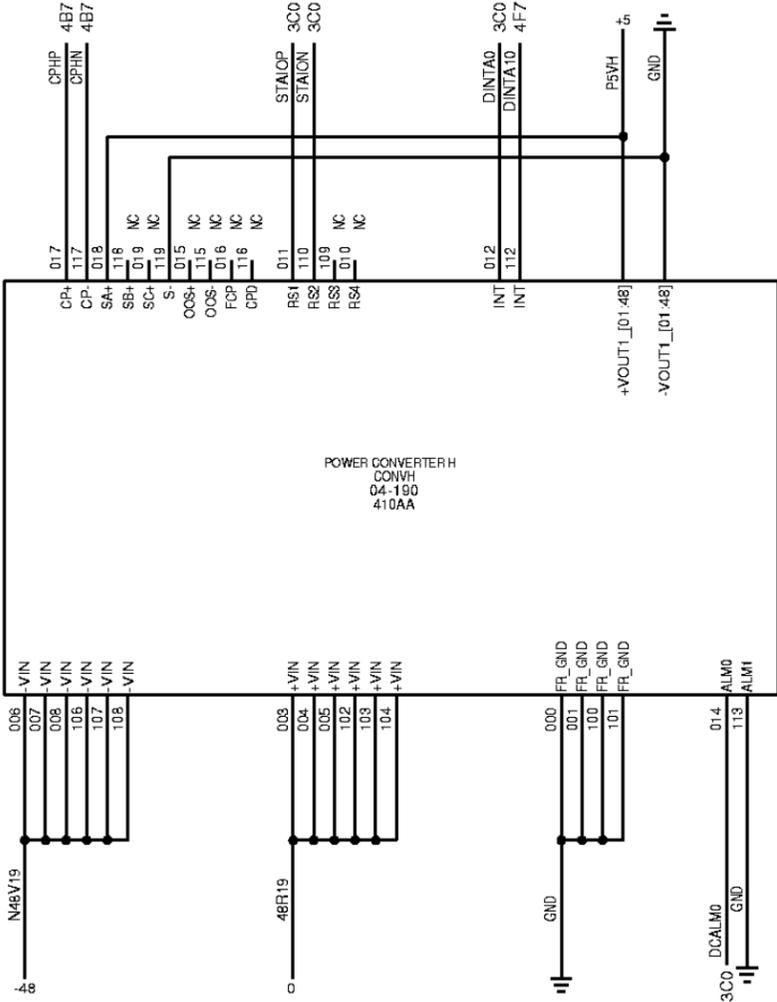
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GROWTH UNIT

DWG SIZE	ISSUE
C2	3B
AT&T	SD-3T012-01
	SHEET B4

# PART OF FS 3

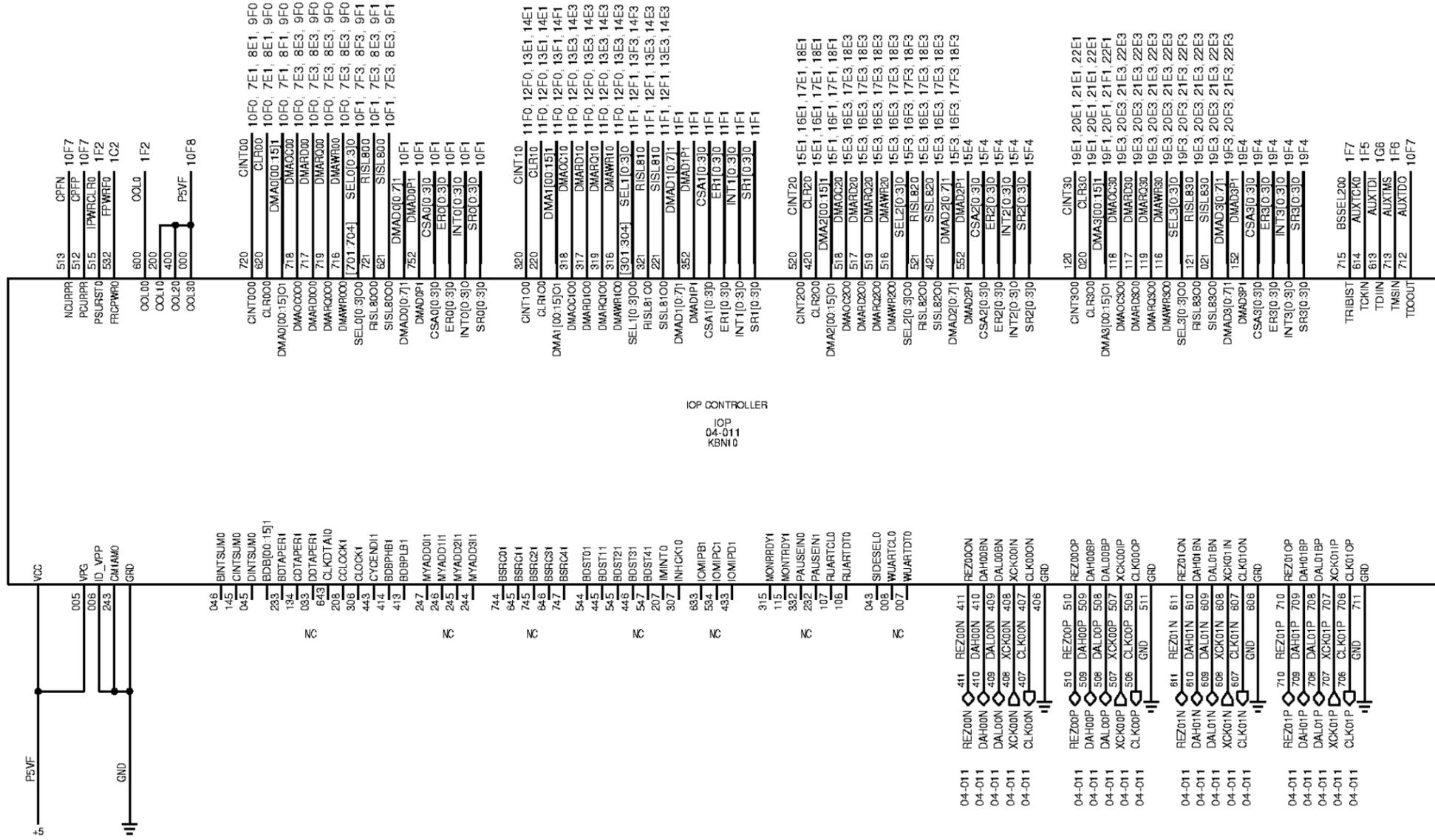
## DFC POWER



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GROWTH UNIT		
DWG SIZE	C2	ISSUE
		1
AT&T	SD-3T012-01	SHEET
		B5

# FS 4

## DUAL SERIAL CHANNEL INTERFACE, IOP CONTROLLER



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GROWTH UNIT

DWG SIZE	ISSUE
C2	1

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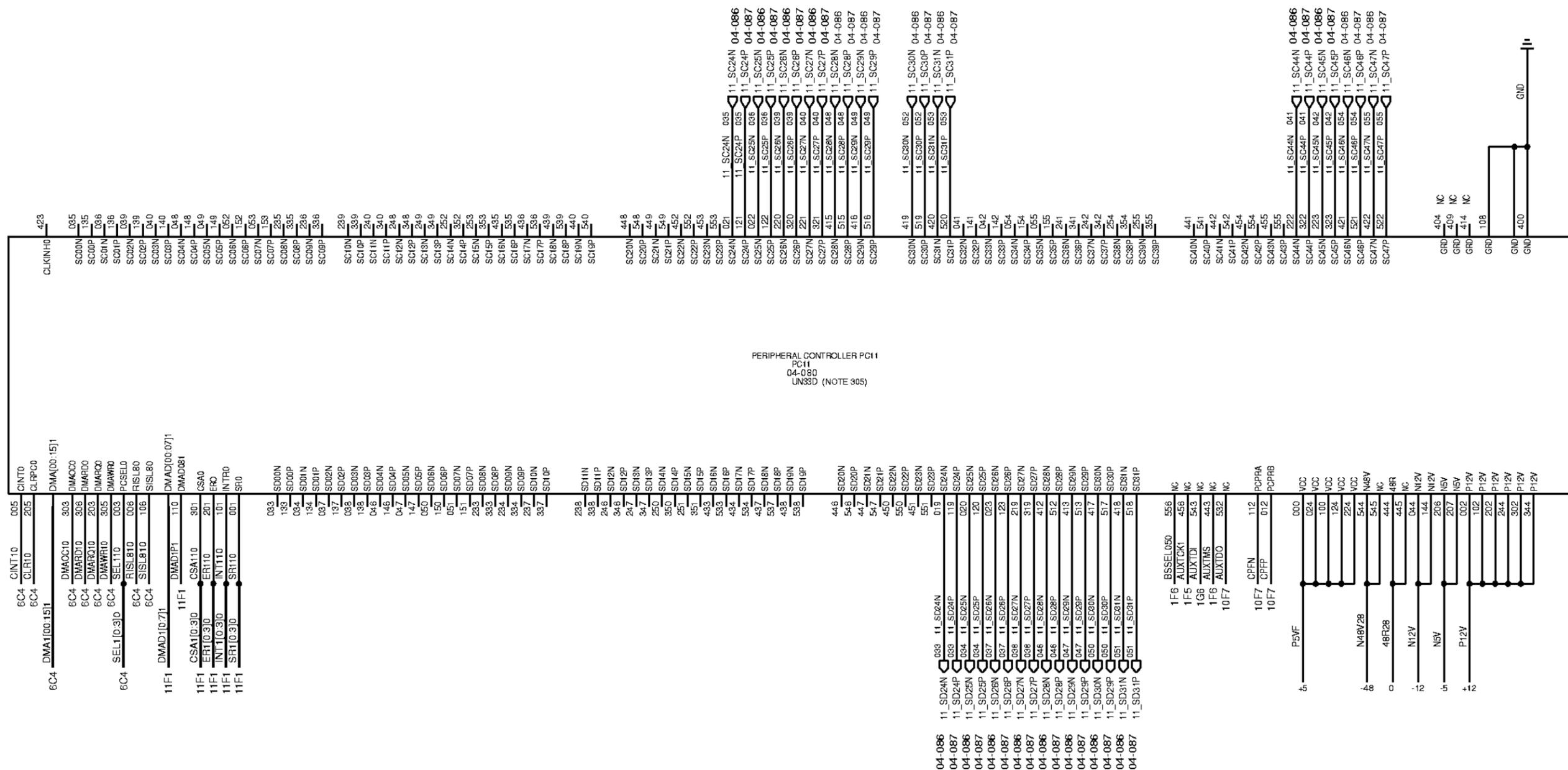






# PART OF FS 5

## GROWTH IOP POSITION PC11



UN33D SHOWN. POSITION ALSO ACCEPTS TN74, TN75, TN82, UN375, AND UN376 CONNECTIONS TO TERMINAL FIELDS 04-086 AND 04-087 APPLY, BUT ARE NOT USED ON OTHER CIRCUIT PACKS.

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GROWTH UNIT		DWG SIZE
		ISSUE
AT&T	SD-3T012-01	SHEET B12



# PART OF FS 5

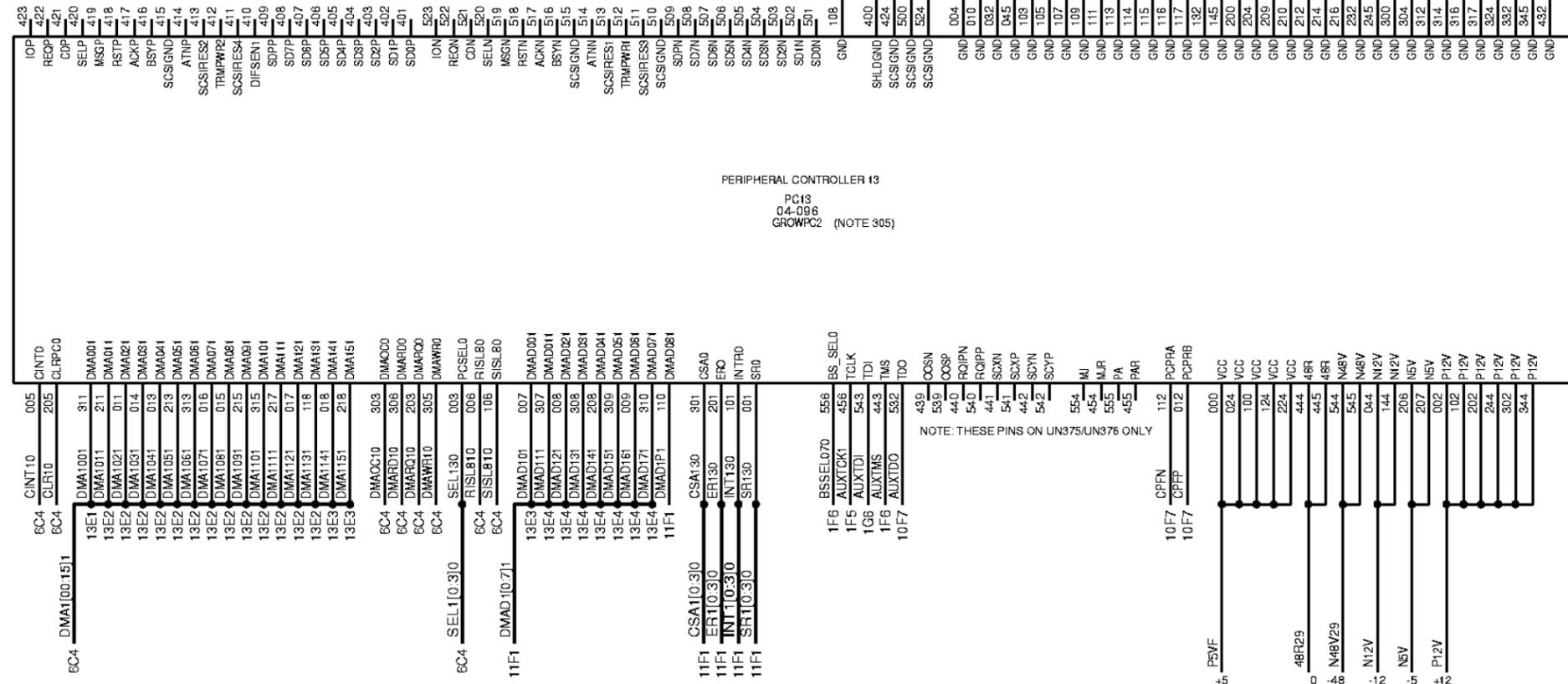
## GROWTH IOP POSITION PC13

SCSI PORT: CONNECT TO EQL-04-087-000 WHEN USED.

NOTE: THESE PINS ON UN375/UN376 ONLY

NOTE: THESE PINS ON UN375/UN376 ONLY

PERIPHERAL CONTROLLER 13  
PC13  
04-096  
GROWPC2 (NOTE 305)



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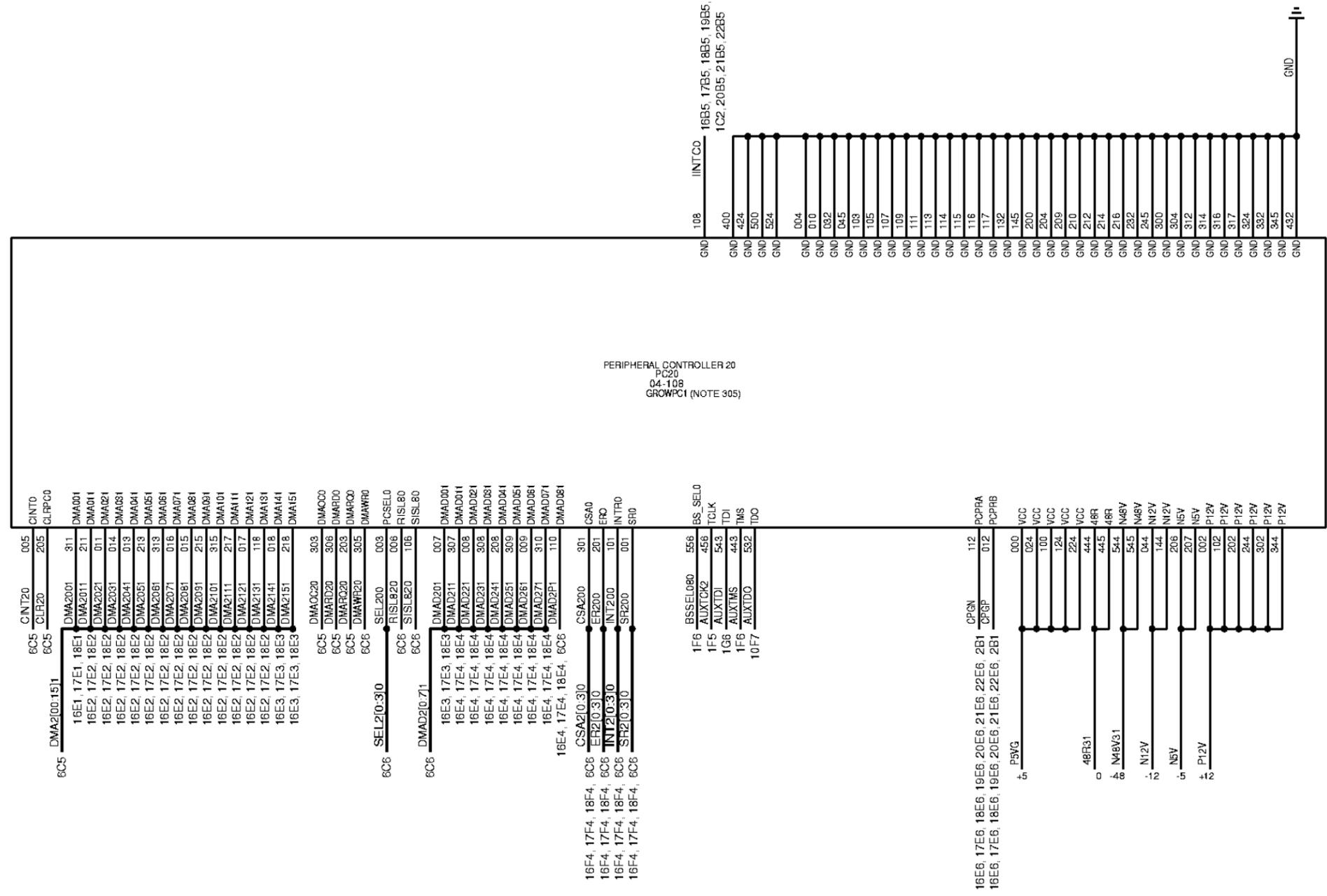
GROWTH UNIT

DWG SIZE	ISSUE
C2	1

AT&T	SD-3T012-01	SHEET B14
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# PART OF FS 6

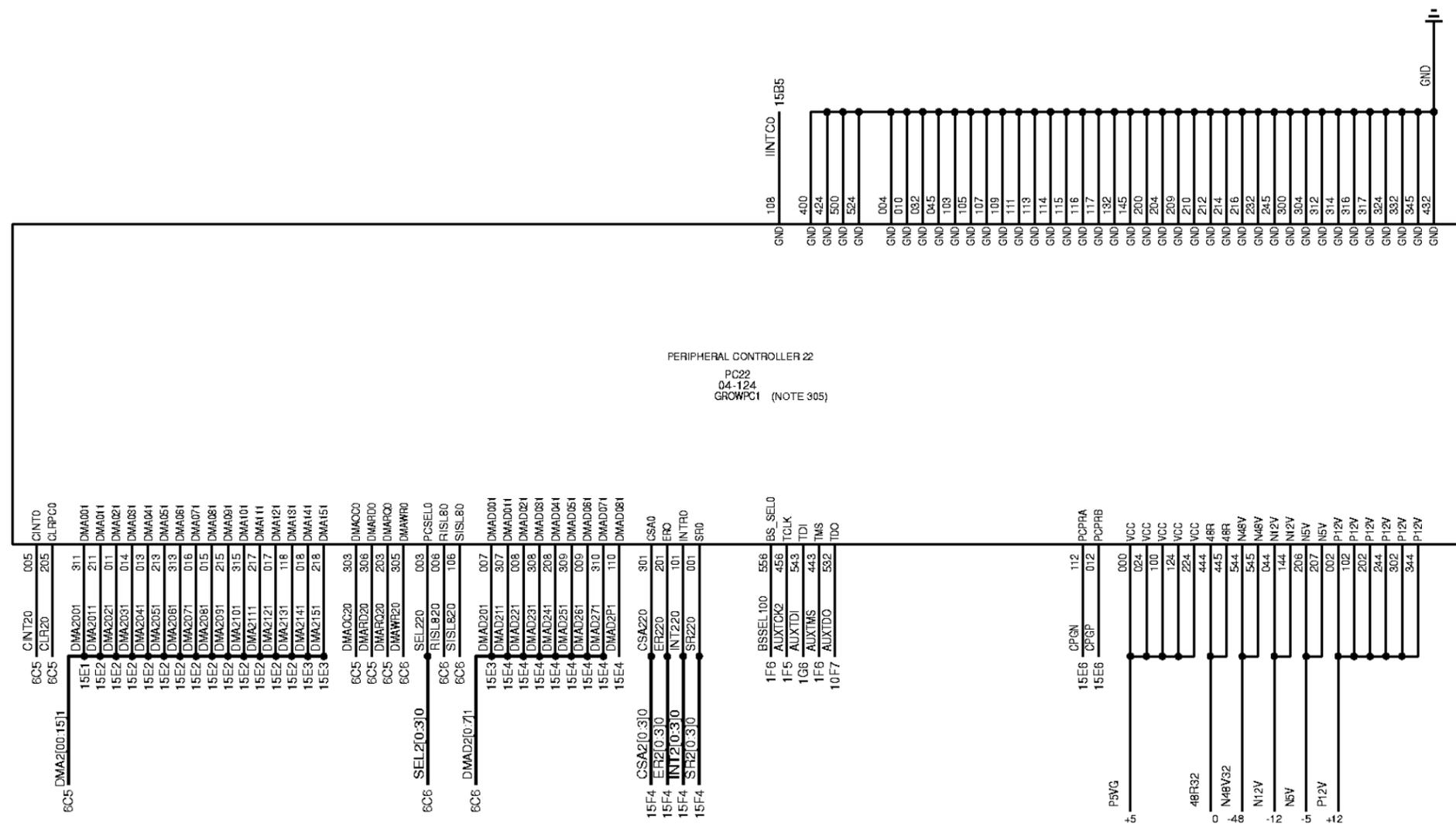
## GROWTH IOP POSITION PC20





# PART OF FS 6

## GROWTH IOP POSITION PC22



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<b>GROWTH UNIT</b>		DWG SIZE <b>C2</b>	ISSUE <b>1</b>
AT&T	SD-3T012-01		SHEET <b>B17</b>









# PART OF FS 6

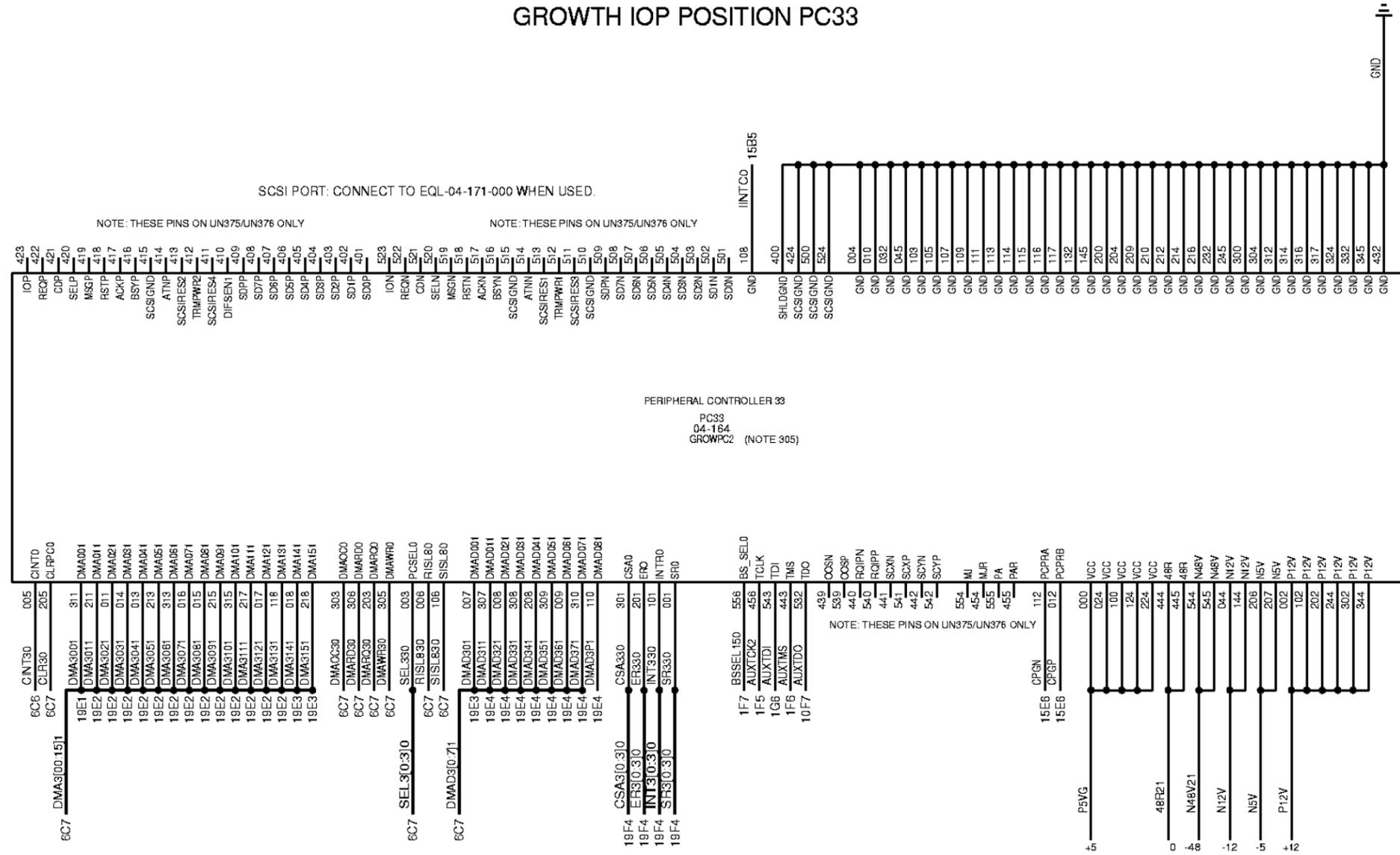
## GROWTH IOP POSITION PC33

SCSI PORT: CONNECT TO EQL-04-171-000 WHEN USED.

NOTE: THESE PINS ON UN375/JN376 ONLY

NOTE: THESE PINS ON UN375/JN376 ONLY

PERIPHERAL CONTROLLER 33  
PC33  
04-164  
GROWPC2 (NOTE 305)



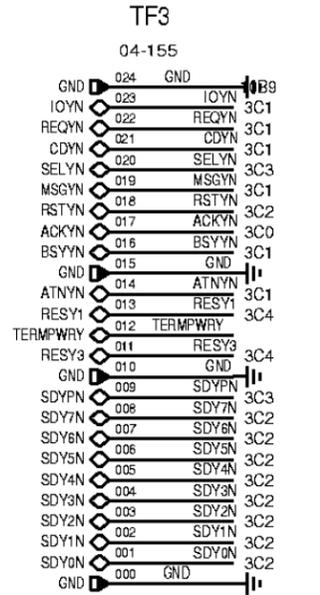
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GROWTH UNIT		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; text-align: center;">DWG SIZE</td> <td style="width: 50%; text-align: center;">ISSUE</td> </tr> <tr> <td style="text-align: center;">C2</td> <td style="text-align: center;">1</td> </tr> </table>	DWG SIZE	ISSUE	C2	1
DWG SIZE	ISSUE					
C2	1					
AT&T	SD-3T012-01	SHEET B22				



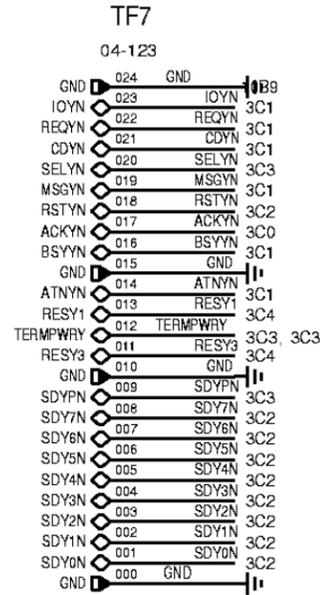
# PART OF FS 7

## TERMINAL FIELDS FOR SCSI BUS Y

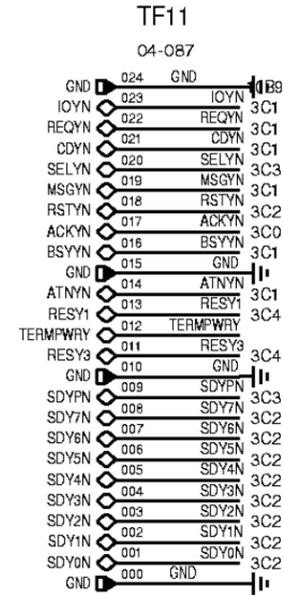
TERMINAL FIELDS FOR  
SCSI PERIPHERAL DEVICE  
AT POSITION PC31



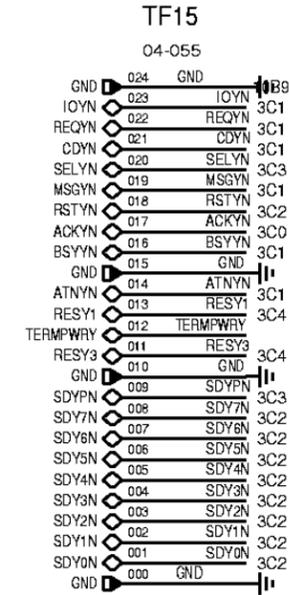
TERMINAL FIELDS FOR  
SCSI PERIPHERAL DEVICE  
AT POSITION PC21



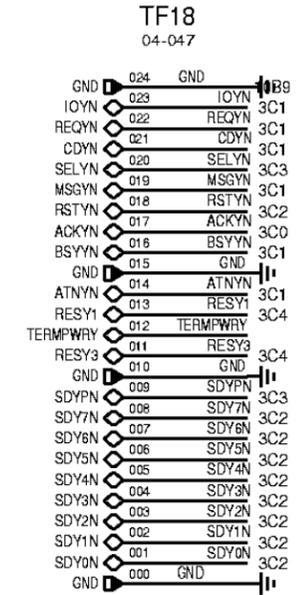
TERMINAL FIELDS FOR  
SCSI PERIPHERAL DEVICE  
AT POSITION PC11



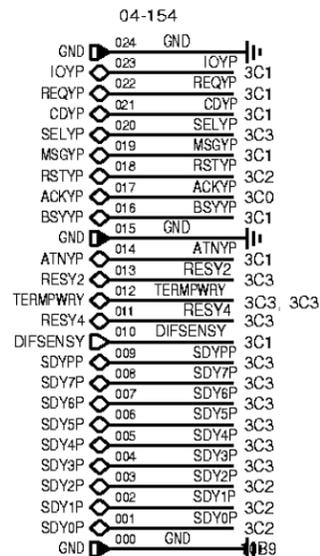
TERMINAL FIELDS FOR  
SCSI PERIPHERAL DEVICE  
AT POSITION PC01



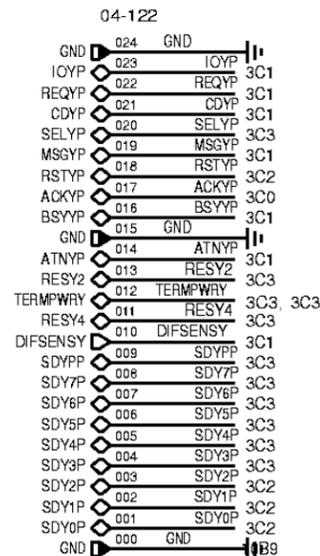
TERMINAL FIELDS FOR  
SCSI BTR3  
CABLE ED3T076-40, G4, G4B



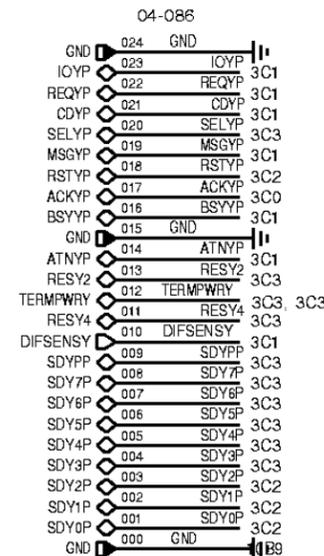
**TF4**



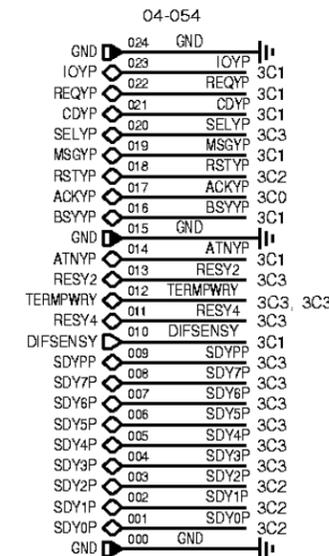
**TF8**



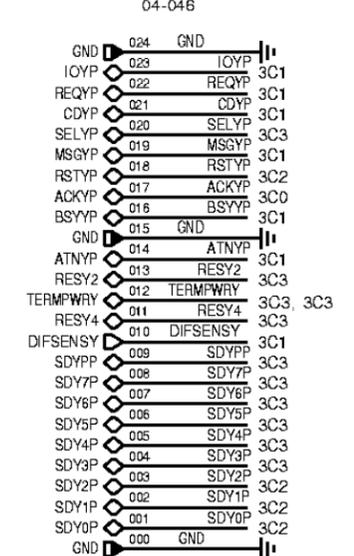
**TF12**



**TF16**



**TF17**



NOTE: ALL TERMINAL FIELDS ARE 1 X 50 PINS

BUS "Y" IS CONNECTED TO DFC BUS "A", IF DFC PRESENT

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GROWTH UNIT

DWG SIZE	ISSUE
C2	1

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# APP FIG. 1

CIRCUIT PACK					
OPTION	DESIG	EQPT LOC	FS LOC	GLEI CODE	CODE
	CONVF	04-006	2D6		410AA
	IOP	04-011	6D5		KBN10
Z	IOPPS	04-026	1D4		TN1820
Y	IOPPS	04-026	1D4		TN1820B
BTR					
OPTION	DESIG	EQPT LOC	FS LOC	GLEI CODE	CODE
	BTR 1	04-180 300			ED8T076-40 G8
	BTR 2	04-180 500			ED8T076-40 G8

# APP FIG. 2

CIRCUIT PACK					
OPTION	DESIG	EQPT LOC	FS LOC	GLEI CODE	CODE
X	CONVH	04-190	5F3		410AA
V	DFCA	04-180	3E0		UN373
W	DFGB	04-172 (NOTE 110)	4E2		TN2116 (MC3T101A1)
U	DFCA	04-180	3E0		UN373B
			2D4		UN580

# APP FIG. 3

CIRCUIT PACK					
OPTION	DESIG	EQPT LOC	FS LOC	GLEI CODE	CODE
	PC00	04-040	7E1		NOTE 305
	PC01	04-048	8E1		NOTE 305
	PC02	04-056	9E1		NOTE 305
	PC03	04-064	10E1		NOTE 305
	PC10	04-072	11E1		NOTE 305
	PC11	04-080	12E1		NOTE 305
	PC12	04-088	13E0		NOTE 305
	PC13	04-096	14E0		NOTE 305

# APP FIG. 4

CIRCUIT PACK					
OPTION	DESIG	EQPT LOC	FS LOC	GLEI CODE	CODE
	CONVG	04-034	2E1		410AA
	PC20	04-108	15E1		NOTE 305
	PC21	04-116	16E1		NOTE 305
	PC22	04-124	17E1		NOTE 305
	PC23	04-132	18E1		NOTE 305
	PC30	04-140	19E1		NOTE 305
	PC31	04-148	20E1		NOTE 305
	PC32	04-156	21E1		NOTE 305
	PC33	04-164	22E1		NOTE 305

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GROWTH UNIT		
DWG SIZE	ISSUE	
C2	3B	
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A  
B  
C  
D  
E  
F  
G  
H

CIRCUIT NOTES:

101.

DESIG	FUSE AMP	POTENTIAL	ONE PER
BATTERY SYMBOL		VOLTAGE RANGE	

102. THE 3B21D GROWTH BACKPLANE UNIT PROVIDES ADDITIONAL FUNCTIONALITY TO THE 3B21D DUPLEX PROCESSOR. IT PROVIDES A GROWTH IOP CONTROLLER WITH SPACE FOR UP TO SIXTEEN ADDITIONAL PERIPHERAL CONTROLLER CIRCUIT PACKS. AT THE SAME TIME, IT CAN SUPPORT A GROWTH DFC SUBSYSTEM. AS AN ALTERNATE TO IOP GROWTH, THE GROWTH BACKPLANE CAN BE FITTED WITH ONE TO EIGHT SCSI UNITS AND THE DFC, OR ONE TO NINE SCSI UNITS WITHOUT THE THE DFC. FINALLY, THE BACKPLANE MAY BE CONFIGURED WITH A MIX OF SCSI AND PERIPHERAL CONTROLLERS.
103. THE GROWTH IOP IS EQUIPPED BY INSTALLING A KBN10, A TN1820/TN1820B, AND A 410AA. THIS PROVIDES CAPABILITY TO PUT PC CONTROLLER CIRCUIT PACKS IN IOP COMMUNITIES 0 AND 1. A SECOND 410AA CONVERTER IS REQUIRED TO USE IOP COMMUNITIES 2 AND 3.
104. THE GROWTH DFC IS EQUIPPED BY INSTALLING A TN2116, A UN373/UN373B, AND A 410AA OR A 410AA AND UN580. IF THE GROWTH DFC IS NOT EQUIPPED, A UN375C OR UN376B MAY BE USED. THE DFC WILL ACCESS 2 BUSSES IN THE GROWTH BACKPLANE. AS AN ALTERNATIVE TO THE DFC, A SCSI PERIPHERAL UNIT CIRCUIT PACK MAY BE INSTALLED IN PLACE OF THE UN373.
105. THE 16 CIRCUIT PACK POSITIONS IN IOP COMMUNITIES 0-3 ACCEPT ALL PC CONTROLLER CIRCUIT PACKS SUPPORTED BY THE 3B21D. THEY ARE ALSO COMPATIBLE WITH THE UN375/375B/375C AND UN376/UN376B SCSI CIRCUIT PACKS, WHICH MAY BE INSTALLED AT POSITIONS PC01, PC03, PC11, PC13, PC21, PC23, PC31, AND PC33. THE EQUIPPING OF SCSI UNITS IN THE GROWTH BACKPLANE WILL BE GOVERNED BY THERMAL LOADS IN THE HOST CABINET. A GROWTH IOP MUST BE EQUIPPED TO USE THESE POSITIONS FOR PC CONTROLLERS. A GROWTH DFC OR AN EXTERNAL DFC MUST BE PROVIDED TO USE THE SCSI PERIPHERALS.
106. WHEN A SCSI PERIPHERAL IS INSTALLED IN THE IOP COMMUNITIES, IT MUST BE CONNECTED TO THE BACKPLANE SCSI BUSSES WITH A BACKPLANE CONNECTOR. A SCAN CABLE AND AN ALARM CABLE MAY ALSO BE REQUIRED.
107. SCSI PERIPHERALS AND PC PERIPHERALS MAY BE INSTALLED TOGETHER WITHIN AN IOP COMMUNITY GROUP. THE PC PACKS WILL OPERATE WITHOUT ANY INTERFERENCE FROM THE SCSI PACKS.
108. FOUR OF THE 16 IOP POSITIONS (PC02, PC03, PC10, PC11) ARE WIRED TO ADJACENT TERMINAL FIELDS TO FACILITATE CABLING OF SCAN CABLES IF A UN33 WERE INSTALLED.
109. THE MAJOR AND MINOR ALARM OUTPUTS FROM THE IOP POWER SWITCH, THE DFC POWER SWITCH, AND ANY INDIVIDUAL SCSI PERIPHERAL ARE NOT CONNECTED WITHIN THE BACKPLANE, SO AS TO MAINTAIN THE GENERAL PURPOSE USE OF THE UNIT.
110. WHEN DFC UN580 IS USED, IT WILL GO AT EQL 04-180 AND REPLACE UN373B AND TN2116 WILL BE REMOVED.

EQUIPMENT NOTES:

201.

INFORMATION NOTES:

301. UNLESS OTHERWISE SPECIFIED: RESISTANCE VALUES ARE IN OHMS, CAPACITANCE VALUES ARE IN MICROFARADS, VALUES PRECEDED BY THE SYMBOL + (PLUS) OR - (MINUS) ARE IN VOLTS.

302.

FEATURE OR OPTION	PROVIDE		
	APP FIG	APP OR WHG	QUANTITY
GROWTH UNIT ARRANGED FOR IOP2 WITH FOUR PC COMMUNITIES OR MAXIMUM 5 SCSI PERIPHERAL UNITS (SPU) AND 2 COMMUNITIES OR DFC2, MAXIMUM 4 SPU'S AND 2 COMMUNITIES; EACH COMMUNITY ARRANGED FOR FOUR PC SLOTS.	1		AS REQD
DISK FILE CONTROLLER A (DFCA) UN373, DISK FILE CONTROLLER B (DFCB) TN2116, POWER CONVERTER H (CONVH) 410AA	2	X V	1 EA
COMMUNITY 0 (PC00-PC03) NOTE 305 COMMUNITY 1 (PC10-PC13) NOTE 305	3		AS REQD
COMMUNITY 2 (PC20-PC23) NOTE 305 COMMUNITY 3 (PC30-PC33) NOTE 305 POWER CONVERTER G (CONVG)	4		AS REQD
IOP POWER SWITCH TN1820	1	Z	1 EACH
DFC CONTROLLER A UN373B	2	W	1 EACH
IOP POWER SWITCH TN1820B	1	Y	1 EACH
DFC CONTROLLER A/B UN580	2	U	1 EACH

303.

RECORD OF FIGURES, WIRING AND APPARATUS CHANGES					
CHANGED ON ISS	IF JOB RECORDS DO NOT SPECIFY	THIS OPTION WAS FURN	SEE NOTE	USE IN CIRCUIT	
				AVAIL	DA
2	Y	Z		Y	
2	W	X		W	
3	U	V		-	
3	U	W		U	

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GROWTH UNIT

DWG SIZE	ISSUE
C2	3B

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0 1 2 3 4 5 6 7 8 9

INFORMATION NOTES (CONT):

304. SCAN POINTS FOR PERIPHERAL CONTROLLERS AT SCAN TERMINAL FIELDS: PC02, PC03, PC10, & PC11. THESE SCAN POINTS ARE AVAILABLE ON THE ADJACENT TERMINAL FIELDS WHEN A UN33D IS INSTALLED.

TERM	EQL 04-062	EQL 04-063	EQL 04-070	EQL 04-071	EQL 04-078	EQL 04-079	EQL 04-086	EQL 04-087
032	NC							
033	02_SD24N	02_SD24P	03_SD24N	03_SD24P	10_SD24N	10_SD24P	11_SD24N	11_SD24P
034	02_SD25N	02_SD25P	03_SD25N	03_SD25P	10_SD25N	10_SD25P	11_SD25N	11_SD25P
035	02_SC24N	02_SC24P	03_SC24N	03_SC24P	10_SC24N	10_SC24P	11_SC24N	11_SC24P
036	02_SC25N	02_SC25P	03_SC25N	03_SC25P	10_SC25N	10_SC25P	11_SC25N	11_SC25P
037	02_SD26N	02_SD26P	03_SD26N	03_SD26P	10_SD26N	10_SD26P	11_SD26N	11_SD26P
038	02_SD27N	02_SD27P	03_SD27N	03_SD27P	10_SD27N	10_SD27P	11_SD27N	11_SD27P
039	02_SC26N	02_SC26P	03_SC26N	03_SC26P	10_SC26N	10_SC26P	11_SC26N	11_SC26P
040	02_SC27N	02_SC27P	03_SC27N	03_SC27P	10_SC27N	10_SC27P	11_SC27N	11_SC27P
041	02_SC44N	02_SC44P	03_SC44N	03_SC44P	10_SC44N	10_SC44P	11_SC44N	11_SC44P
042	02_SC45N	02_SC45P	03_SC45N	03_SC45P	10_SC45N	10_SC45P	11_SC45N	11_SC45P
043	NC							
044	NC							
045	NC							
046	02_SD28N	02_SD28P	03_SD28N	03_SD28P	10_SD28N	10_SD28P	11_SD28N	11_SD28P
047	02_SD29N	02_SD29P	03_SD29N	03_SD29P	10_SD29N	10_SD29P	11_SD29N	11_SD29P
048	02_SC28N	02_SC28P	03_SC28N	03_SC28P	10_SC28N	10_SC28P	11_SC28N	11_SC28P
049	02_SC29N	02_SC29P	03_SC29N	03_SC29P	10_SC29N	10_SC29P	11_SC29N	11_SC29P
050	02_SD30N	02_SD30P	03_SD30N	03_SD30P	10_SD30N	10_SD30P	11_SD30N	11_SD30P
051	02_SD31N	02_SD31P	03_SD31N	03_SD31P	10_SD31N	10_SD31P	11_SD31N	11_SD31P
052	02_SC30N	02_SC30P	03_SC30N	03_SC30P	10_SC30N	10_SC30P	11_SC30N	11_SC30P
053	02_SC31N	02_SC31P	03_SC31N	03_SC31P	10_SC31N	10_SC31P	11_SC31N	11_SC31P
054	02_SC46N	02_SC46P	03_SC46N	03_SC46P	10_SC46N	10_SC46P	11_SC46N	11_SC46P
055	02_SC47N	02_SC47P	03_SC47N	03_SC47P	10_SC47N	10_SC47P	11_SC47N	11_SC47P
056	NC							

PC02 PC03 PC10 PC11

305. THE GROWTH UNIT IS ARRANGED TO HANDLE FOUR COMMUNITIES OF PERIPHERAL CONTROLLERS (PC). COMMUNITIES 0 (PC00-03), 1 (PC10-13), 2 (PC20-23), AND 3 (PC30-33) HANDLE 4 CIRCUIT PACKS EACH. THESE PC'S ARE ORDERED ON THE SYSTEM LEVEL DRAWING AND ARE JOB ENGINEERED PER USER REQUIREMENTS. ANY OF THE FOLLOWING PACKS (UN33D, TN74B, TN75C, TN82B, TN1420, UN375, TN983, TN1839 AND UN582) MAY BE USED IN ANY PC SLOT EQL. THE UN375/375B/375C MAY BE INSTALLED AT PC01, PC03, PC11, PC13, PC21, PC23, PC31, AND PC33.

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GROWTH UNIT		
DWG SIZE	ISSUE	
C2	3B	
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0 1 2 3 4 5 6 7 8 9 PRINTED IN U.S.A

INFORMATION NOTES (CONT):

306. UNIT ARRANGEMENT

FRM	EQLS	UNIT	COMM0				COMM1				COMM2				COMM3													
008			006	011	026	034	040	048	056	064	072	080	088	096	108	116	124	132	140	148	156	164	172	180	190			
			TN 410AA	KBN 10	TN 1820 Ⓩ OR TN 1820B Ⓨ	TN 410AA	(NOTE 305)	(NOTE 305)	UN 33D (NOTE 305)	UN 33D (NOTE 305)	UN 33D (NOTE 305)	UN 33D (NOTE 305)	(NOTE 305)	TN 2116 Ⓧ NOTE 110	UN 373 ⓧ OR UN 373B Ⓦ UN580 Ⓣ	TN 410AA	← CPEQL ← CODE											
		004	CONVF PWR	IOP	IOPPS IOP PWR	CONVG PWR	PC00 PC	PC01 PC	PC02 PC	PC03 PC	PC10 PC	PC11 PC	PC12 PC	PC13 PC	PC20 PC	PC21 PC	PC22 PC	PC23 PC	PC30 PC	PC31 PC	PC32 PC	PC33 PC	DFCB DFC	DFCA DFC	CONFH PWR	← FS DESIG ← FS TITLE		
			1	1	1	4	3	3	3	3	3	3	3	3	4	4	4	4	4	4	4	4	4	4	2	2	2	← APP. FIG.
			1	4	1	1	5	5	5	5	5	5	5	5	6	6	6	6	6	6	6	6	2	2	3	← FS NO.		
		000	006	011	026	034	040	048	056	064	072	080	088	096	108	116	124	132	140	148	156	164	172	180	190	← CPEQL		

062 → IOP3  
OR  
011 → IOP2

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		C2	3B
AT&T	SD-3T012-01	SHEET D3	

INFORMATION NOTES (CONT):

307. TABLE BELOW SHOWS APP FIG., PACK DESIG. CODE, EQL, GROWTH UNIT NUMBER THE CIRCUIT PACK IS USED ON.

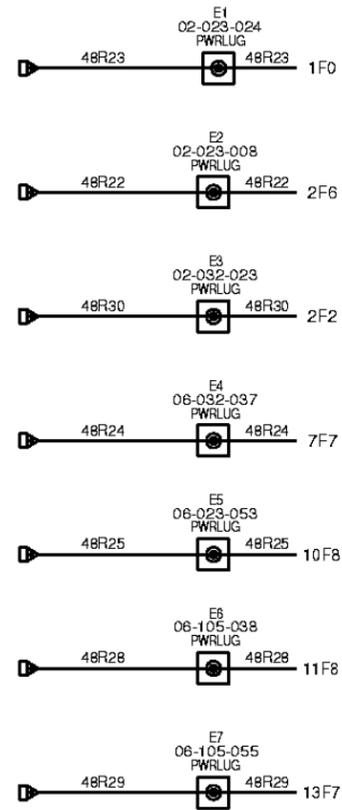
APP FIG.	DESIG	CODE	GROWTH 0 EQL	GROWTH 1 EQL
1	CONWF	410AA KBN10 TN1820	04-006	04-006
	IOP		04-011	04-011
	IOPPS		04-026	04-026
2	DFCB	TN2116 UN373/373B/UN580 410AA	04-172	04-172
	DFCA		04-180	04-180
	CONWH		04-190	04-190
3	PC00	NOTE 305 ↓	04-040	04-040
	PC01		04-048	04-048
	PC02		04-056	04-056
	PC03		04-064	04-064
	PC10		04-072	04-072
	PC11		04-080	04-080
	PC12		04-088	04-088
4	PC13	NOTE 305 ↓	04-096	04-096
	CONVG		04-034	04-034
	PC20		04-108	04-108
	PC21		04-116	04-116
	PC22		04-124	04-124
	PC23		04-132	04-132
	PC30		04-140	04-140
PC31	04-148	04-148		
PC32	04-156	04-156		
PC33	04-164	04-164		

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GROWTH UNIT	DWG SIZE	ISSUE
	C2	3B
AT&T	SD-3T012-01	SHEET D4

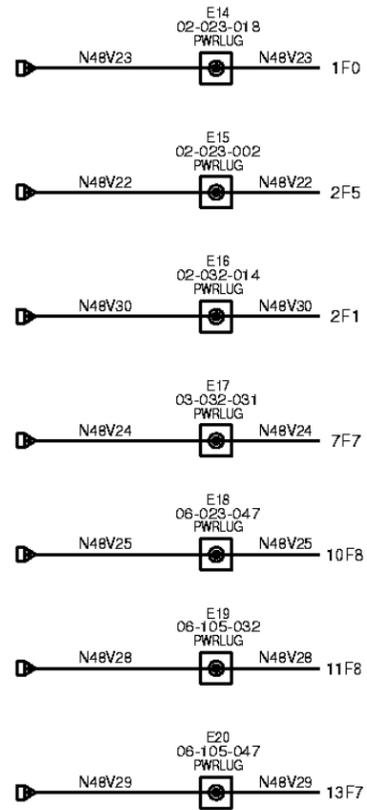
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## POWER LUGS FOR -48 V POWER INPUT

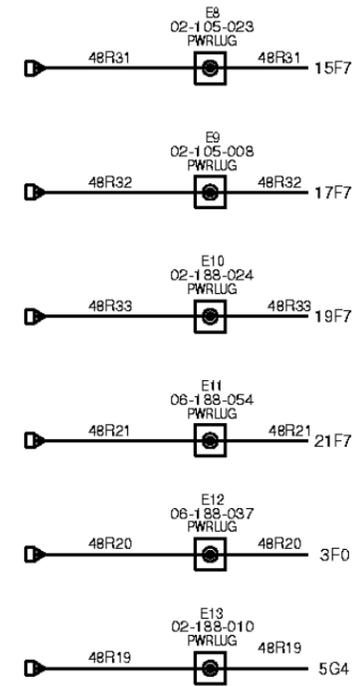
TO  
FUSE  
UNIT



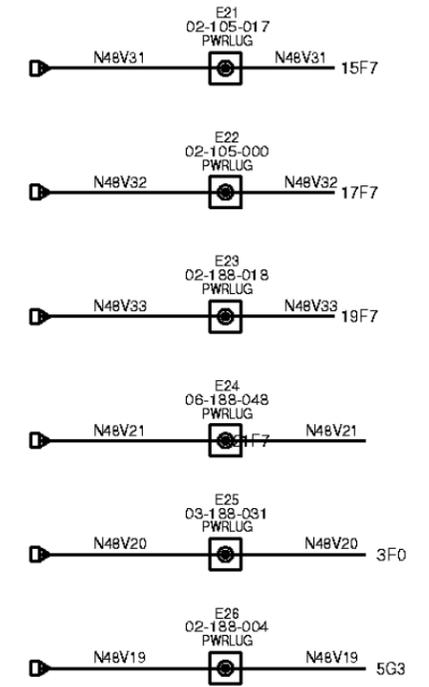
TO  
FUSE  
UNIT



TO  
FUSE  
UNIT



TO  
FUSE  
UNIT



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GROWTH UNIT

DWG SIZE	ISSUE
C2	1

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------	-------------	-------------

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# CAD 003

## BUS TERMINATION RESISTORS ED3T076-40, G3

BTR 1

GND	524
IOYN	523
REQYN	522
CDYN	521
SELYN	520
MSGYN	519
RSTYN	518
ACKYN	517
BSYYN	516
GND	515
ATNYN	514
RESY1	513
TERMPWRX	512
RESY3	511
GND	510
SDYNN	509
SDY7N	508
SDY6N	507
SDY5N	506
SDY4N	505
SDY3N	504
SDY2N	503
SDY1N	502
SDY0N	501
GND	500

TO CAD 004

GND	424
IOYP	423
REQYP	422
CDYP	421
SELYP	420
MSGYP	419
RSTYP	418
ACKYP	417
BSYYP	416
GND	415
ATNYP	414
RESY2	413
TERMPWRX	412
RESY4	411
DIFSENSY	410
SDYPP	409
SDY7P	408
SDY6P	407
SDY5P	406
SDY4P	405
SDY3P	404
SDY2P	403
SDY1P	402
SDY0P	401
GND	400

04-180

SCSI BUS X

BTR 2

GND	324
IOXN	323
REQXN	322
CDXN	321
SELXN	320
MSGXN	319
RSTXN	318
ACKXN	317
BSYXN	316
GND	315
ATNXN	314
RESX1	313
TERMPWRX	312
RESX3	311
GND	310
SDXPN	309
SDX7N	308
SDX6N	307
SDX5N	306
SDX4N	305
SDX3N	304
SDX2N	303
SDX1N	302
SDX0N	301
GND	300

TO CAD 005

GND	224
IOXP	223
REQXP	222
CDXP	221
SELXP	220
MSGXP	219
RSTXP	218
ACKXP	217
BSYXP	216
GND	215
ATNXP	214
RESX2	213
TERMPWRX	212
RESX4	211
DIFSENSX	210
SDXPP	209
SDX7P	208
SDX6P	207
SDX5P	206
SDX4P	205
SDX3P	204
SDX2P	203
SDX1P	202
SDX0P	201
GND	200

04-180

SCSI BUS Y

BTR 3

GND	024
IOXN	023
REQXN	022
CDXN	021
SELXN	020
MSGXN	019
RSTXN	018
ACKXN	017
BSYXN	016
GND	015
ATNXN	014
RESX1	013
TERMPWRX	012
RESX3	011
GND	010
SDXPN	009
SDX7N	008
SDX6N	007
SDX5N	006
SDX4N	005
SDX3N	004
SDX2N	003
SDX1N	002
SDX0N	001
GND	000

TO CONNECTING CIRCUIT

GND	024
IOXP	023
REQXP	022
CDXP	021
SELXP	020
MSGXP	019
RSTXP	018
ACKXP	017
BSYXP	016
GND	015
ATNXP	014
RESX2	013
TERMPWRX	012
RESX4	011
DIFSENSX	010
SDXPP	009
SDX7P	008
SDX6P	007
SDX5P	006
SDX4P	005
SDX3P	004
SDX2P	003
SDX1P	002
SDX0P	001
GND	000

04-063

SCSI BUS X

BTR 4

GND	024
IOYN	023
REQYN	022
CDYN	021
SELYN	020
MSGYN	019
RSTYN	018
ACKYN	017
BSYYN	016
GND	015
ATNYN	014
RESY1	013
TERMPWRX	012
RESY3	011
GND	010
SDYNN	009
SDY7N	008
SDY6N	007
SDY5N	006
SDY4N	005
SDY3N	004
SDY2N	003
SDY1N	002
SDY0N	001
GND	000

TO CONNECTING CIRCUIT

GND	024
IOYP	023
REQYP	022
CDYP	021
SELYP	020
MSGYP	019
RSTYP	018
ACKYP	017
BSYYP	016
GND	015
ATNYP	014
RESY2	013
TERMPWRX	012
RESY4	011
DIFSENSY	010
SDYPP	009
SDY7P	008
SDY6P	007
SDY5P	006
SDY4P	005
SDY3P	004
SDY2P	003
SDY1P	002
SDY0P	001
GND	000

04-047

SCSI BUS Y

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GROWTH UNIT

DWG SIZE	ISSUE
C2	1

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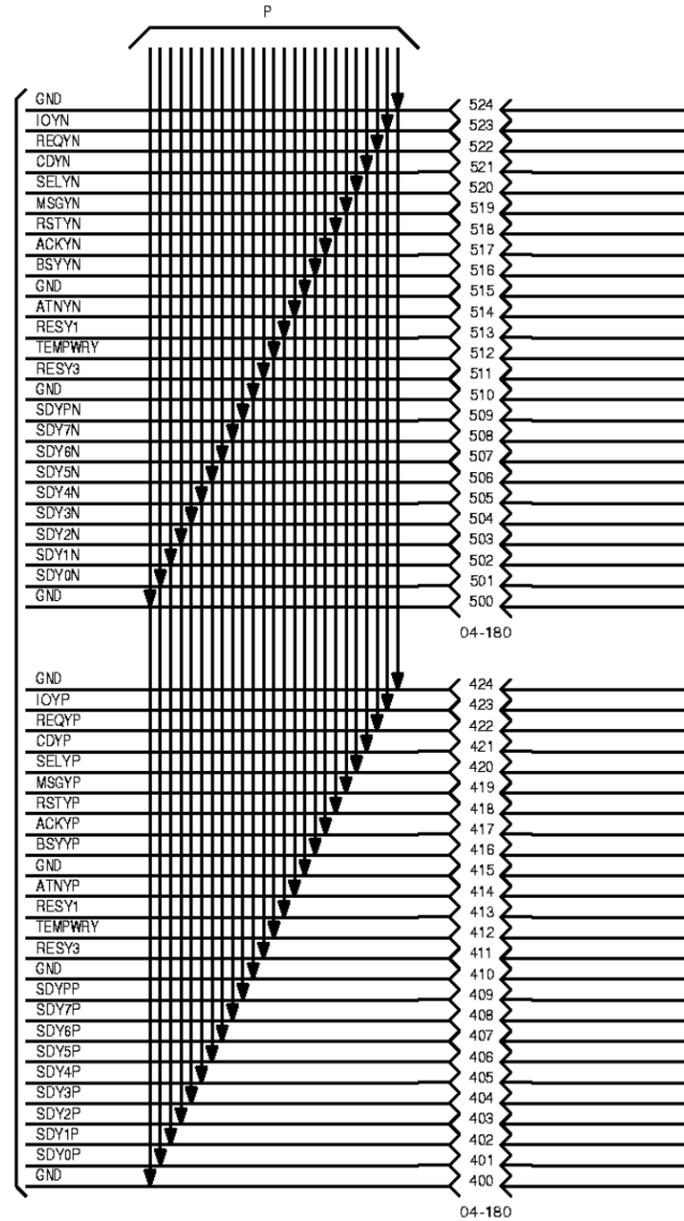
NOTE: SCSI CABLE MAY BE INSTALLED IN PLACE OF BTR

0 1 2 3 4 5 6 7 8 9

A  
B  
C  
D  
E  
F  
G  
H

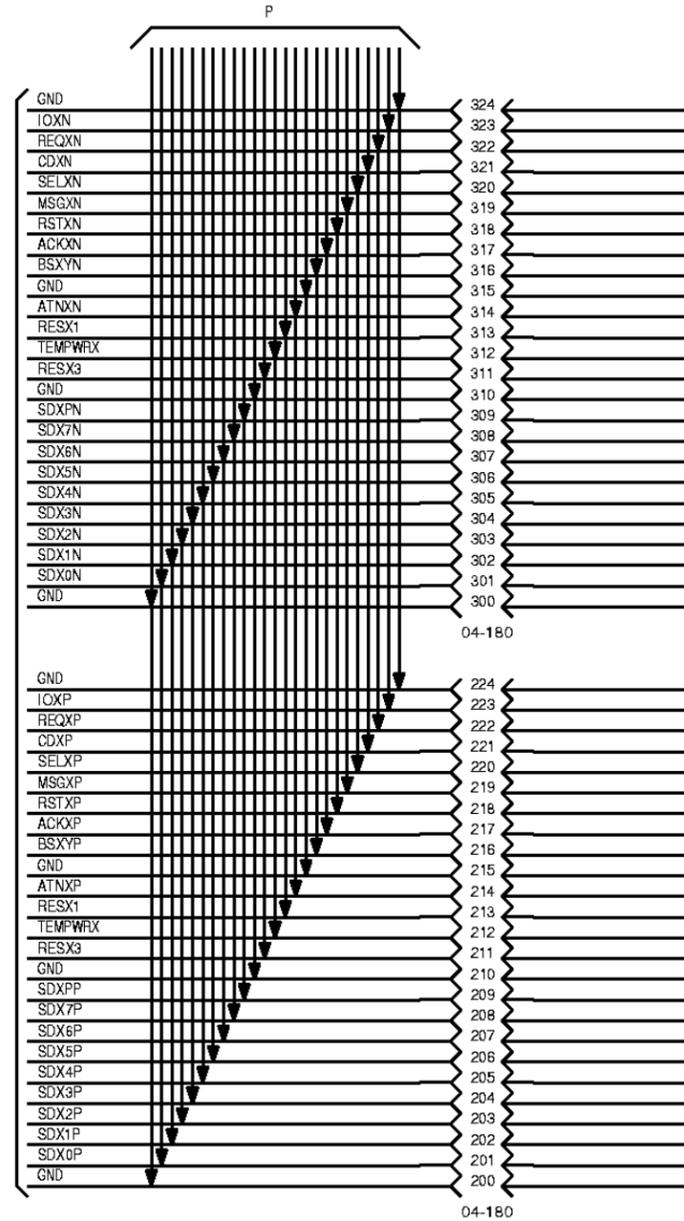
# CAD 004

BTR CABLE 0/1  
ED3T076-40,G3



# CAD 005

BTR CABLE 0/1  
ED3T076-40,G3



A  
B  
C  
D  
E  
F  
G  
H

0 1 2 3 4 5 6 7 8 9

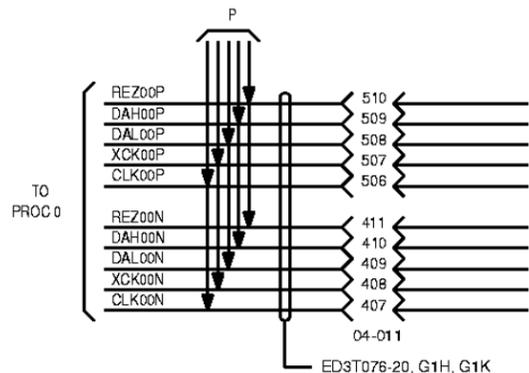
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	SHEET	G3

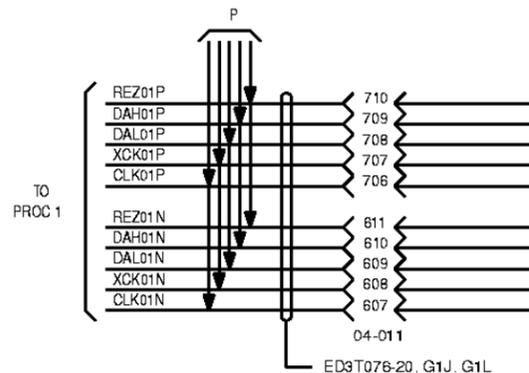
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A

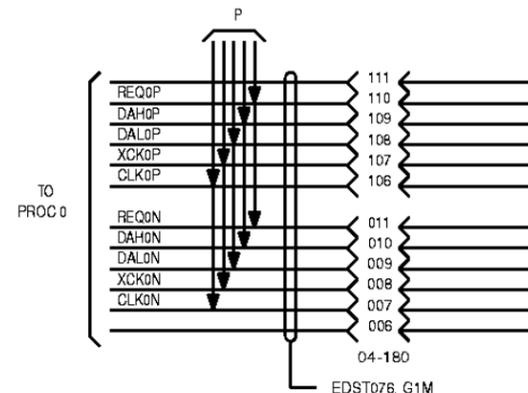
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### CAD 007 DSCH GROWTH IOP 2/3



### CAD 008 DSCH GROWTH DFC 2/3

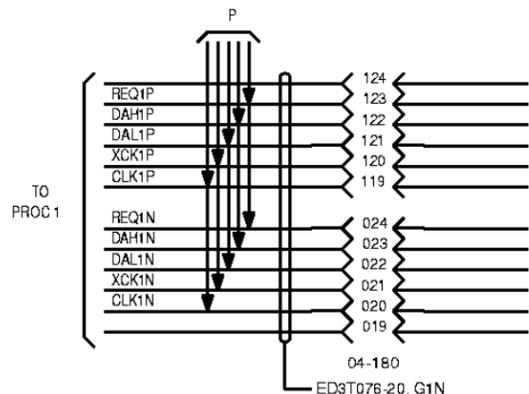


B

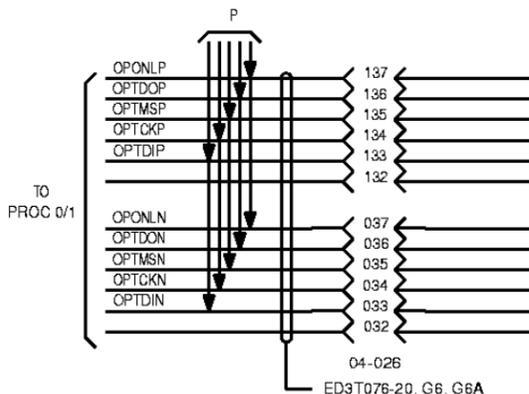
C

D

### CAD 009 DSCH GROWTH DFC 2/3



### CAD 010 BOUNDARY SCAN IOP 2/3



E

F

G

H

0 1 2 3 4 5 6 7 8 9

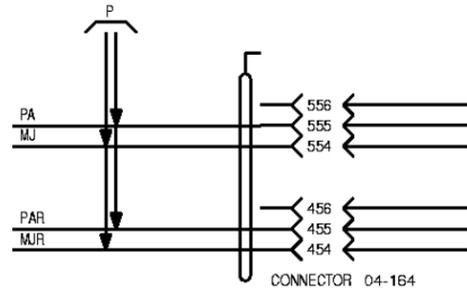
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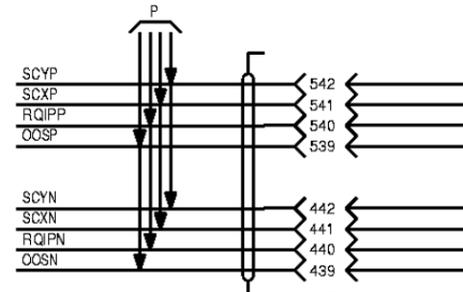
SPU20/21 ALARM



CONNECTOR 04-164

# CAD 012

SPU20/21 SCSD

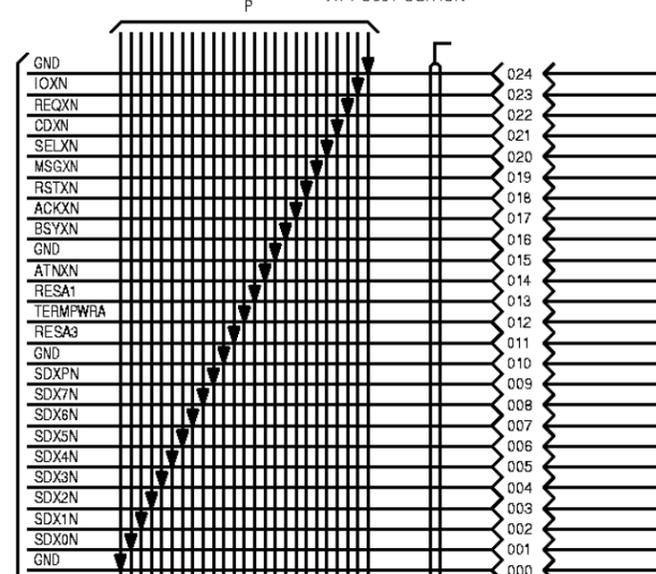


CONNECTOR 04-164

ED3T076-20, G7D, 7E

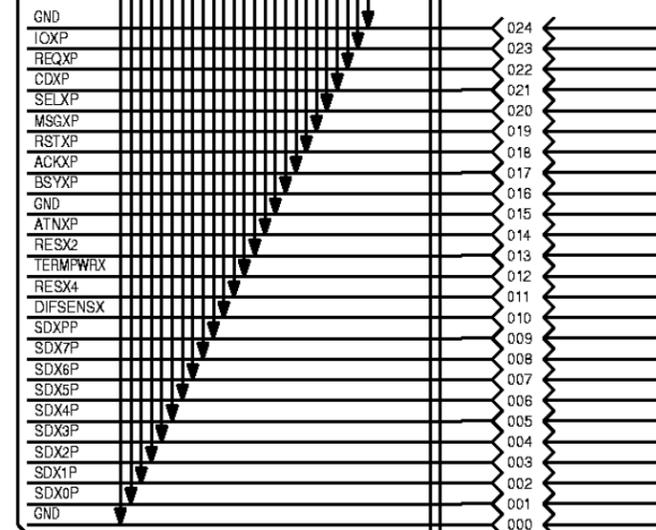
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SCSI CONNECT FOR SPU 20/21  
AT PC33 POSITION



CONNECTOR 04-171

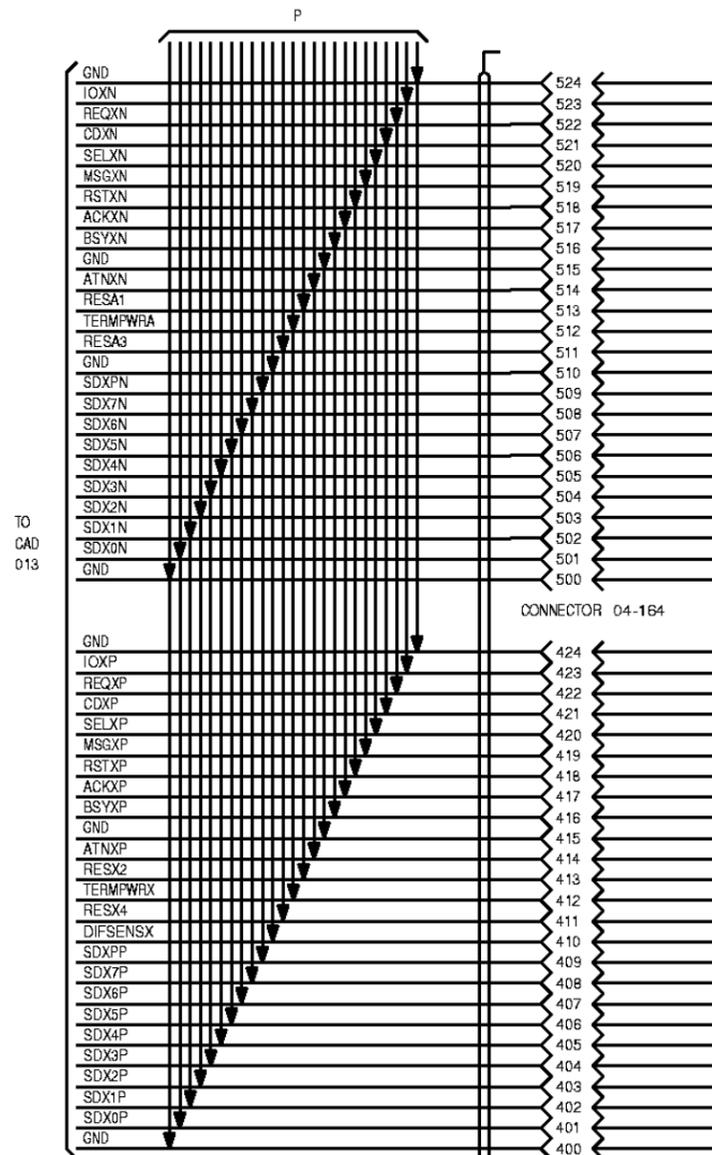
TO CAD 014



CONNECTOR 04-170

# CAD 014

SPU20/21 SCSI IO



CONNECTOR 04-164

CONNECTOR 04-164

TO CAD 013

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GROWTH UNIT

DWG SIZE	ISSUE
C2	1

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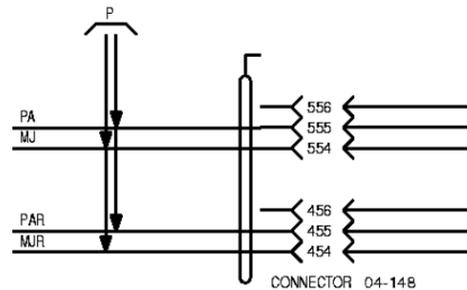
SD-3T012-01

SHEET  
G5

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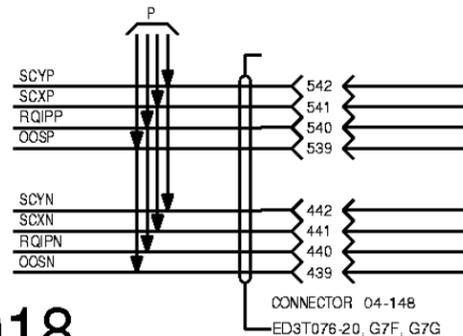
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SPU22/23 ALARM



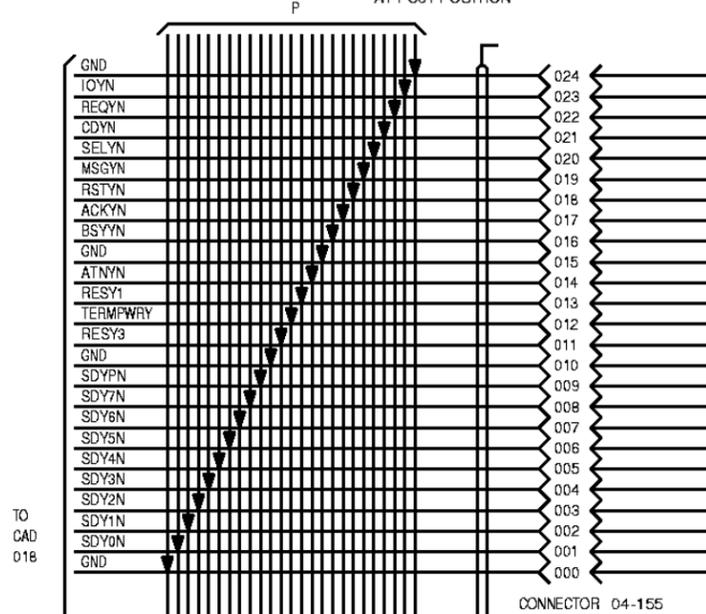
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SPU22/23 SCS D



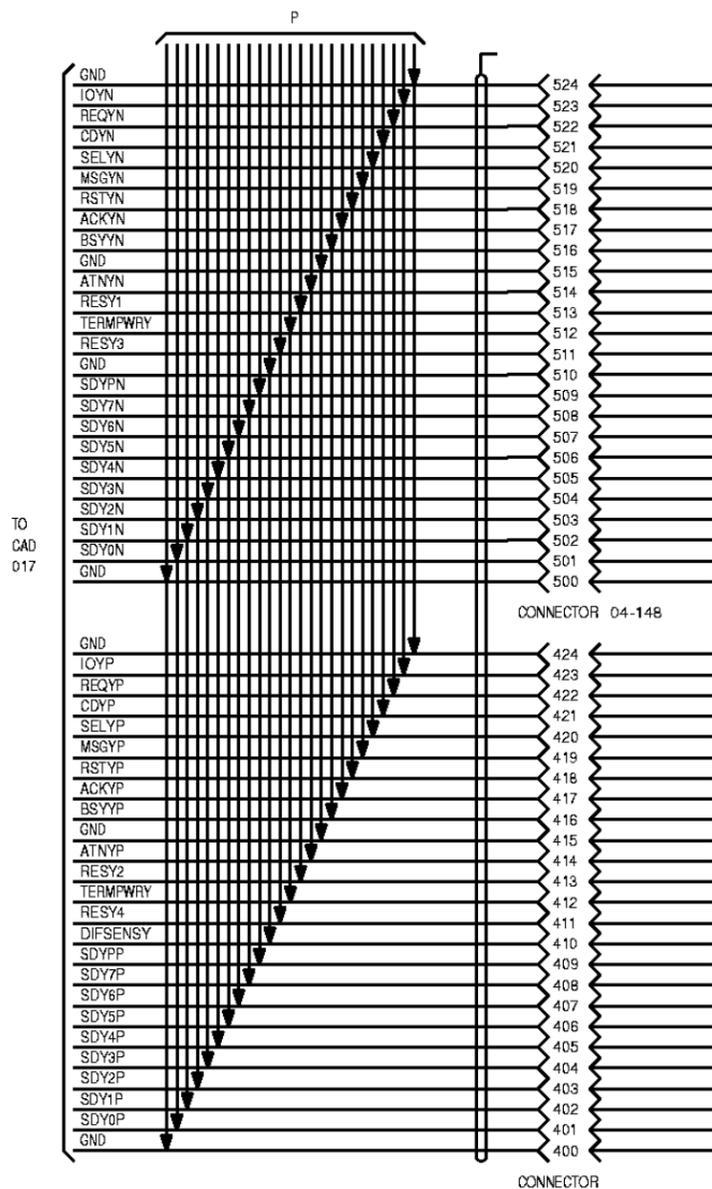
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SCSI CONNECT FOR SPU22/23 AT PC31 POSITION



# CAD 018

SPU22/23 SCSI IO



TO CAD 016

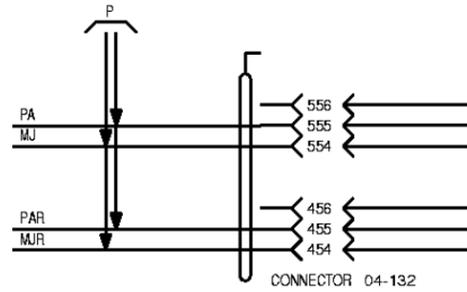
CONNECTOR 04-155

CONNECTOR 04-154

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GROWTH UNIT	DWG SIZE	ISSUE
	C2	1
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# CAD 019

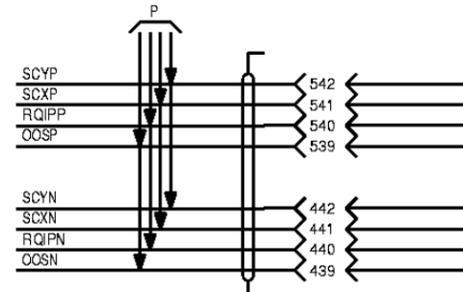
SPU24/25 ALARM



CONNECTOR 04-132

# CAD 020

SPU24/25 SCSD

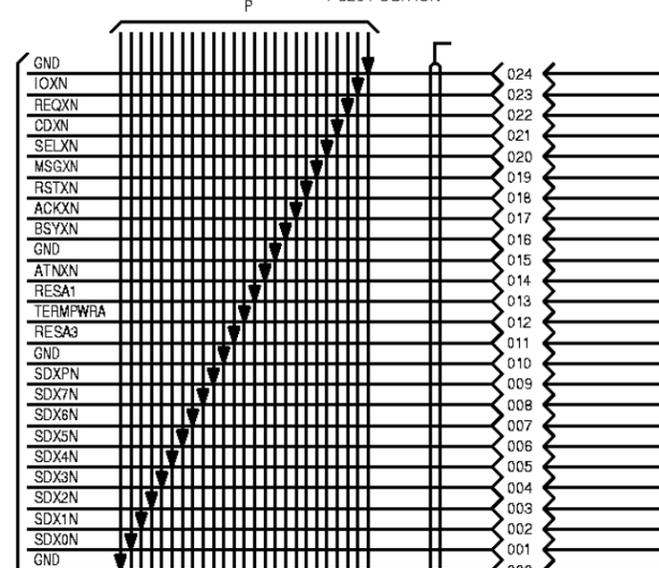


CONNECTOR 04-132

ED3T076-20, G7H, G7J

# CAD 021

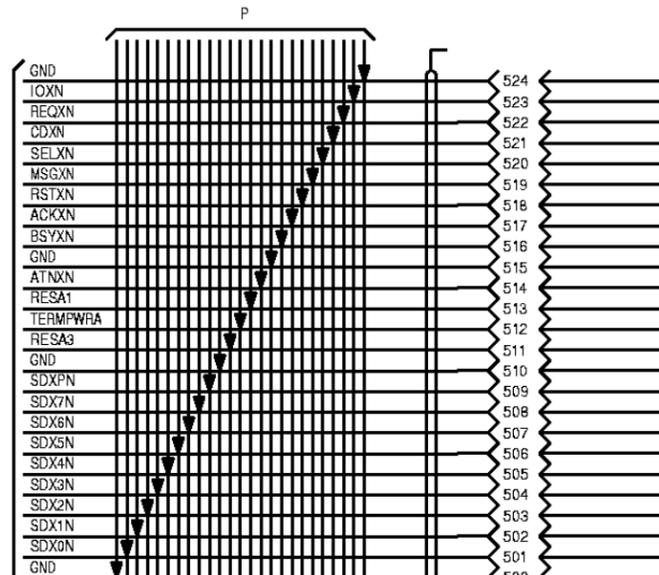
SCSI CONNECT FOR SPU24/25  
PC23 POSITION



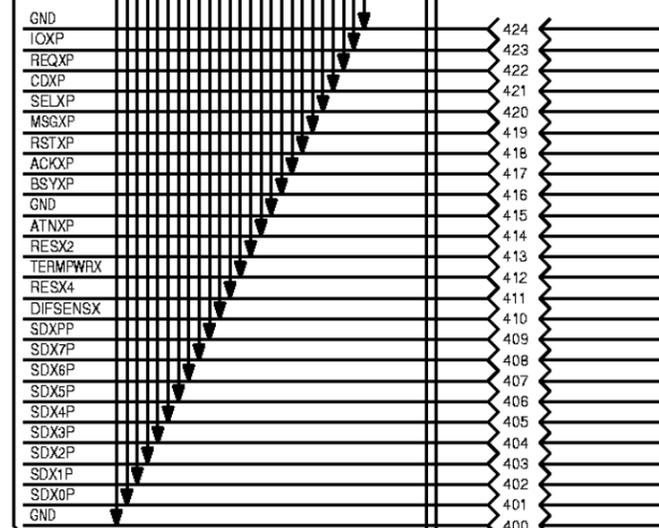
CONNECTOR 04-139

# CAD 022

SPU24/25 SCSI IO



CONNECTOR 04-132



CONNECTOR 04-132

TO CAD 022

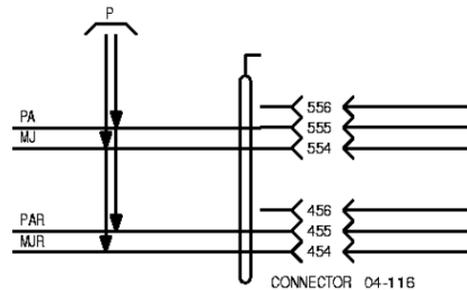
CONNECTOR 04-138

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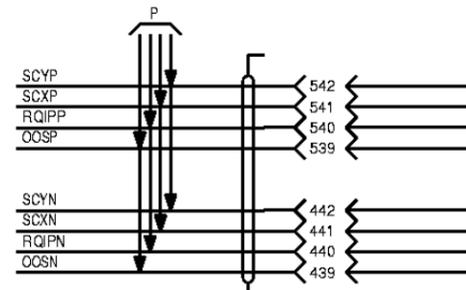
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SPU26/27 ALARM



# CAD 024

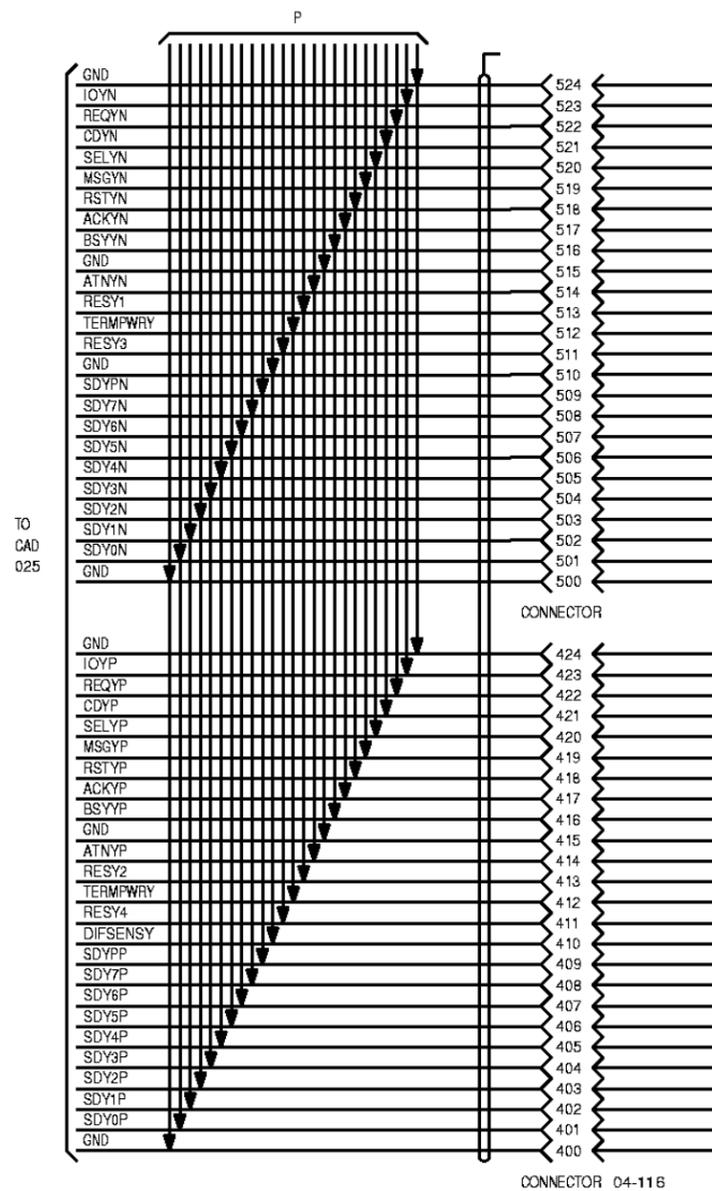
SPU26/27 SCSD



ED3T076-20, G17L, G17K

# CAD 026

SPU26/27 SCSI IO

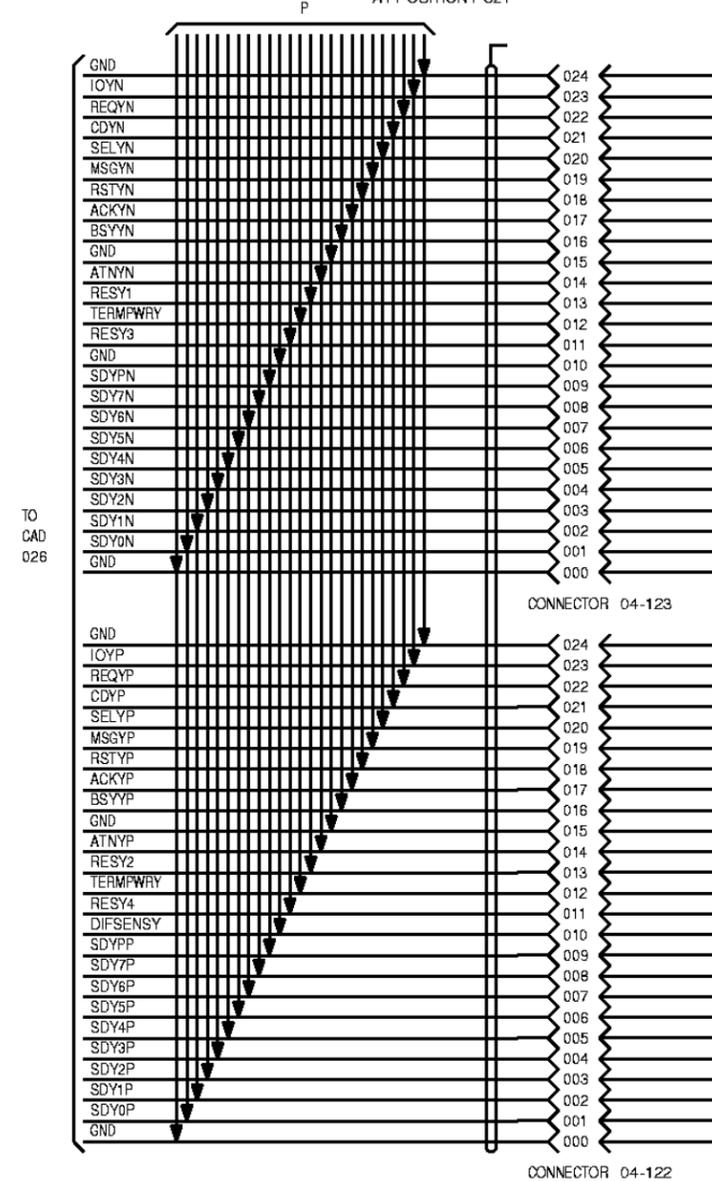


TO CAD 025

CONNECTOR 04-116

# CAD 025

SCSI CONNECT FOR SPU26/27 AT POSITION PC21



CONNECTOR 04-123

CONNECTOR 04-122

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GROWTH UNIT

DWG SIZE	ISSUE
C2	1

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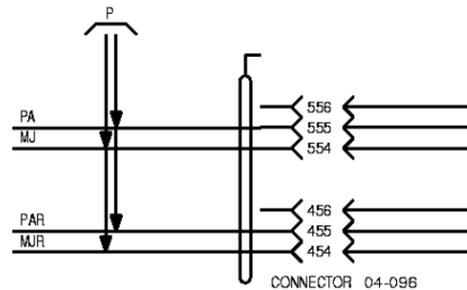
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# CAD 027

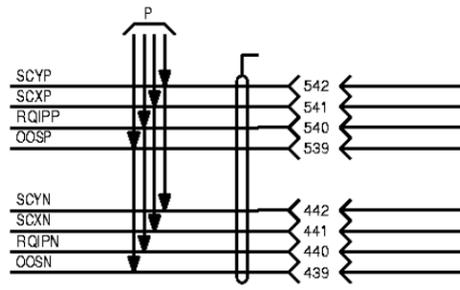
SPU28/29 ALARM



CONNECTOR 04-096

# CAD 028

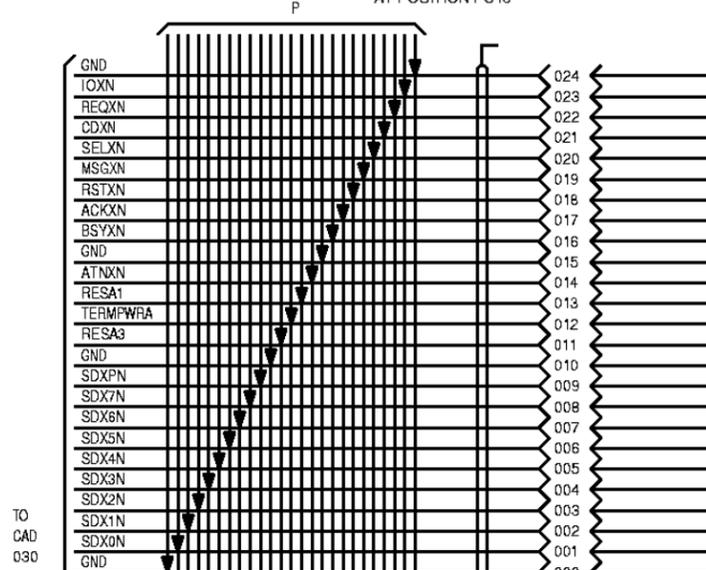
SPU28/29 SCSD



CONNECTOR 04-096

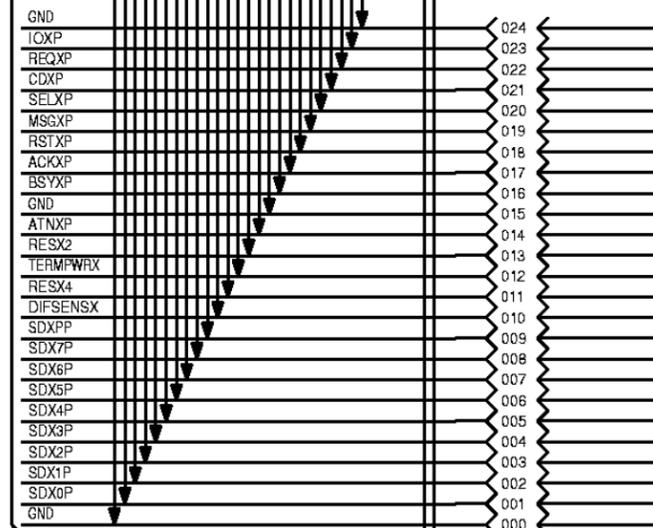
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SCSI CONNECT FOR SPU28/29  
AT POSITION PC13



CONNECTOR 04-095

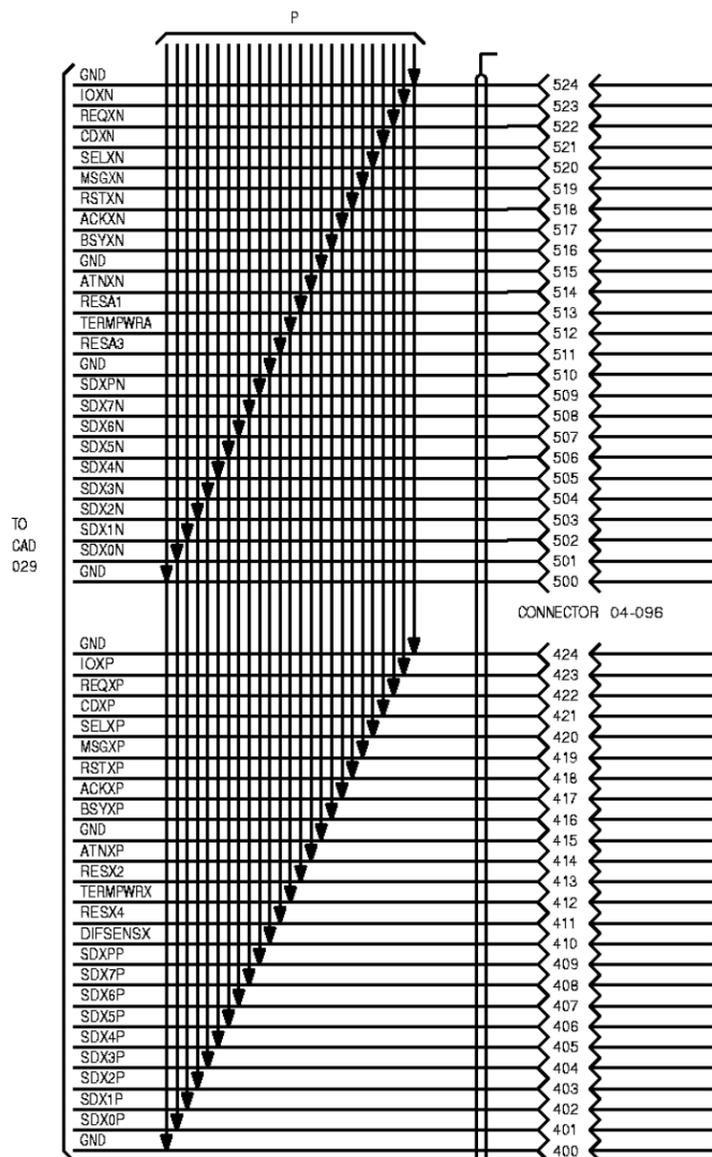
TO  
CAD  
030



CONNECTOR 04-094

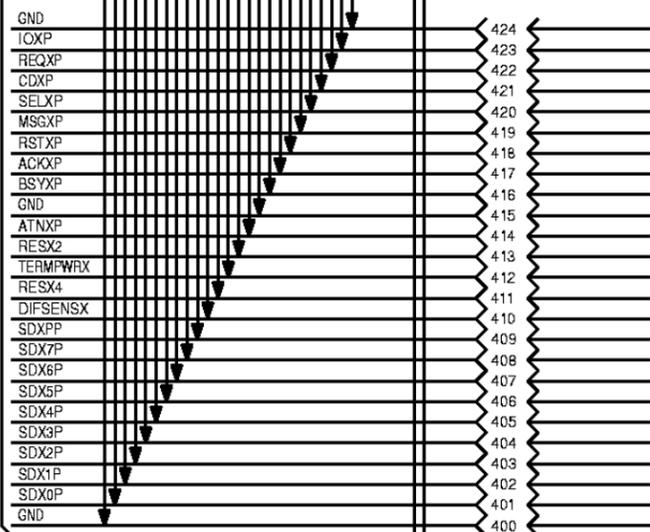
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SPU28/29 SCSI IO



CONNECTOR 04-096

TO  
CAD  
029



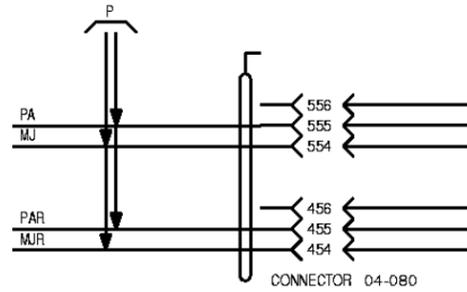
CONNECTOR 04-096

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GROWTH UNIT	DWG SIZE	ISSUE
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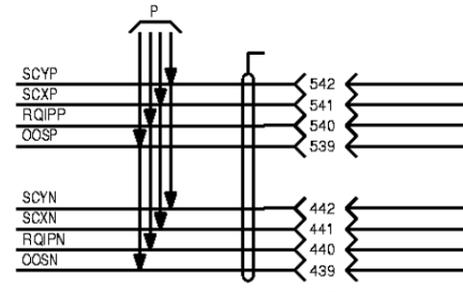
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SPU30/31 ALARM



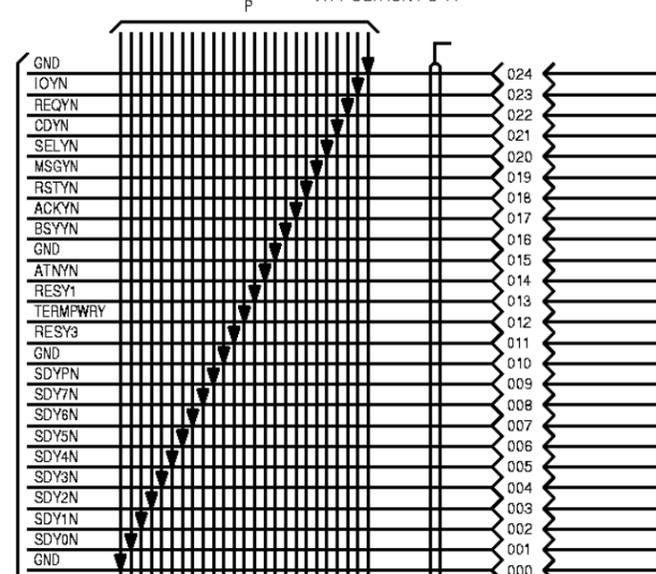
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SPU30/31 SCSD



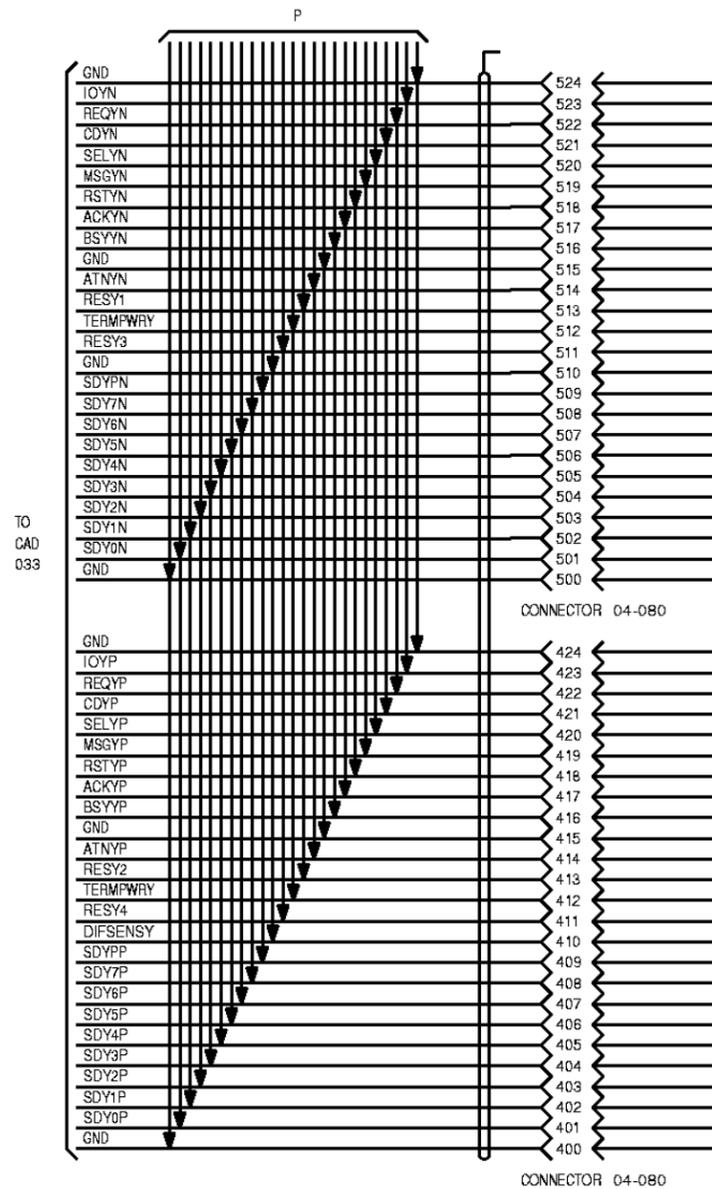
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SCSI CONNECT FOR SPU30/31  
AT POSITION PC 11



# CAD 034

SPU30/31 SCSI IO



TO CAD 034

CONNECTOR 04-087

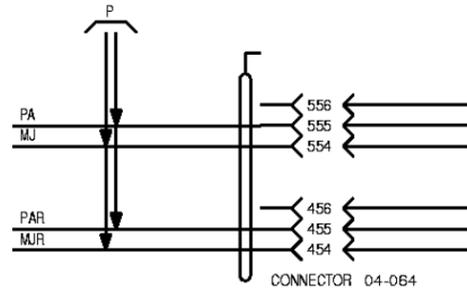
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# CAD 035

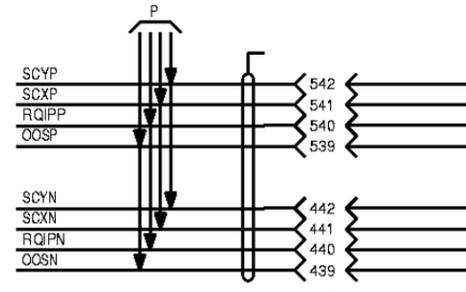
SPU32/33 ALARM



CONNECTOR 04-064

# CAD 036

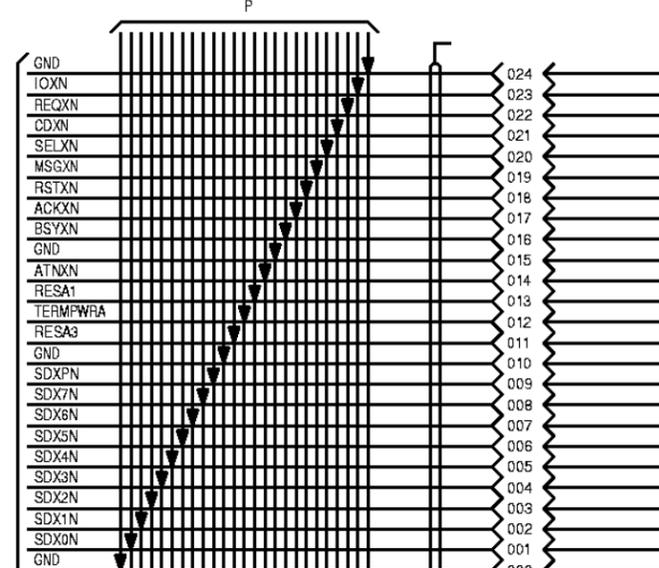
SPU32/33 SCSD



CONNECTOR 04-064

# CAD 037

SCSI CONNECT FOR SPU32/33

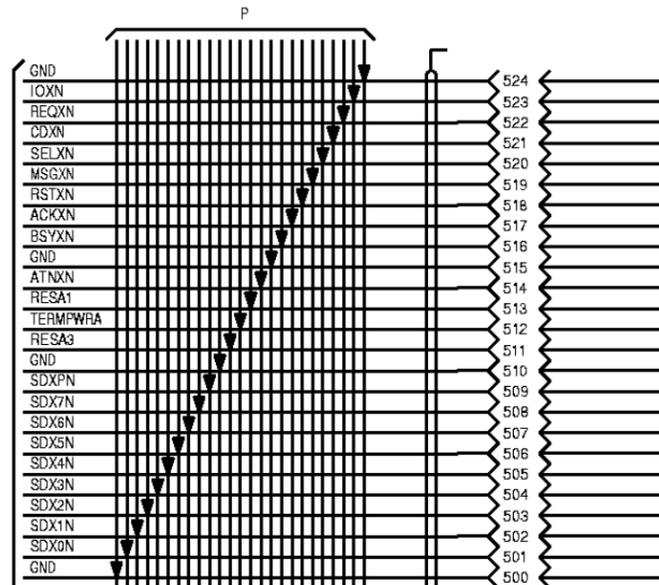


TO CAD 038

CONNECTOR 04-071

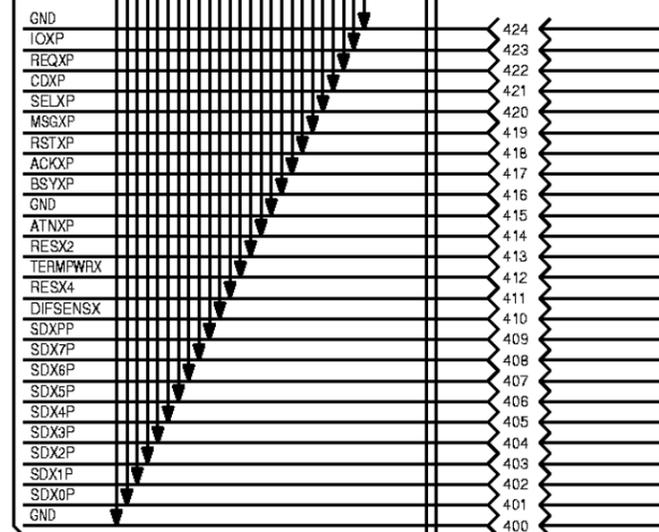
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SPU32/33 SCSI IO

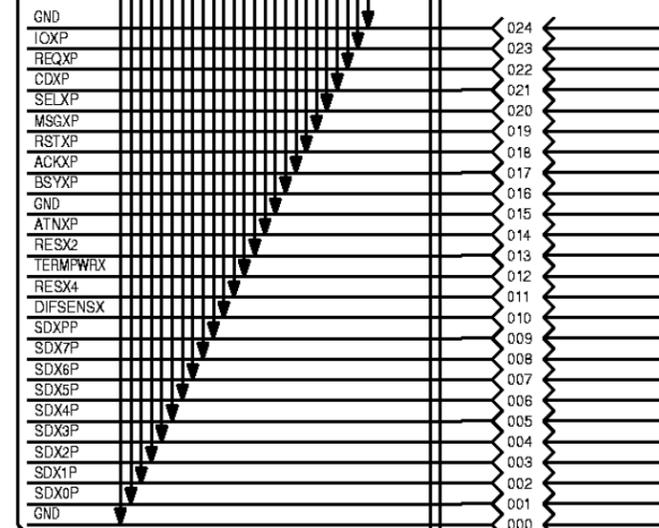


TO CAD 037

CONNECTOR 04-064



CONNECTOR 04-064

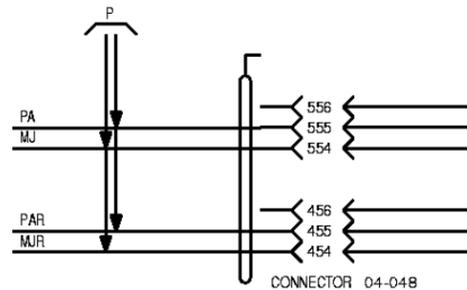


CONNECTOR 04-070

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# CAD 039

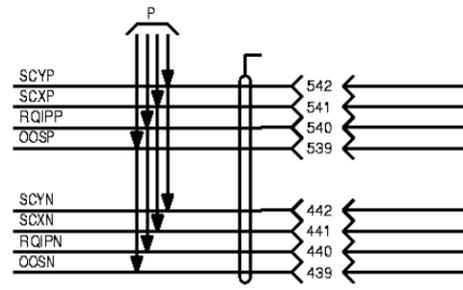
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CONNECTOR 04-048

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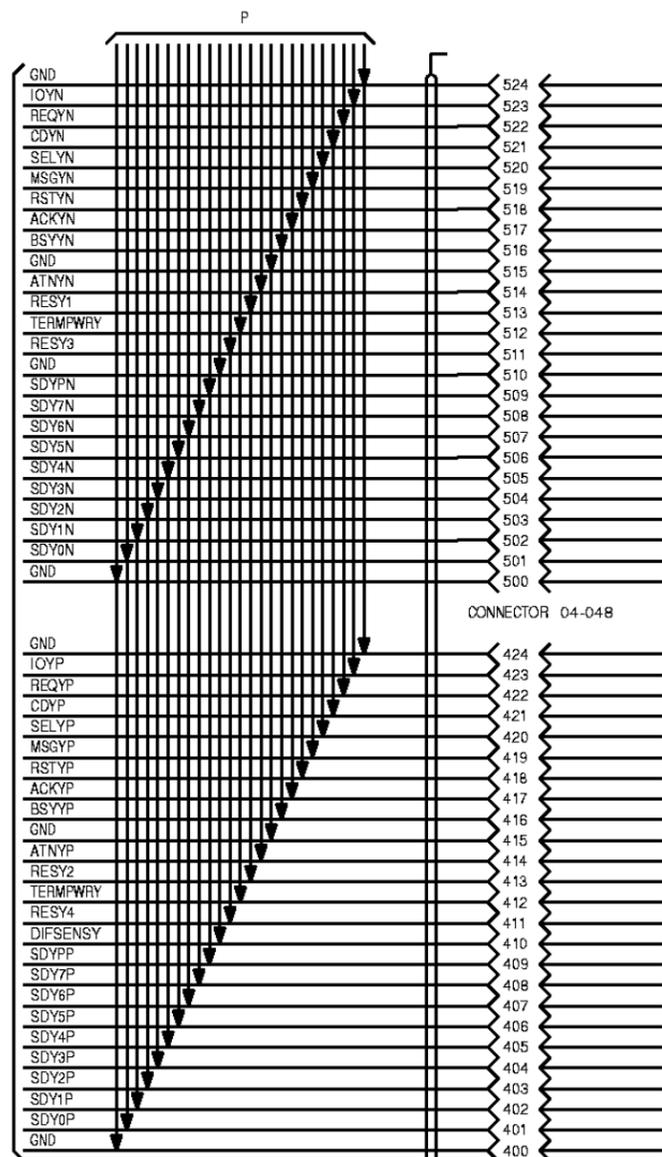
SPU34/35 SCS D



CONNECTOR 04-048

# CAD 042

SPU34/35 SCS I IO

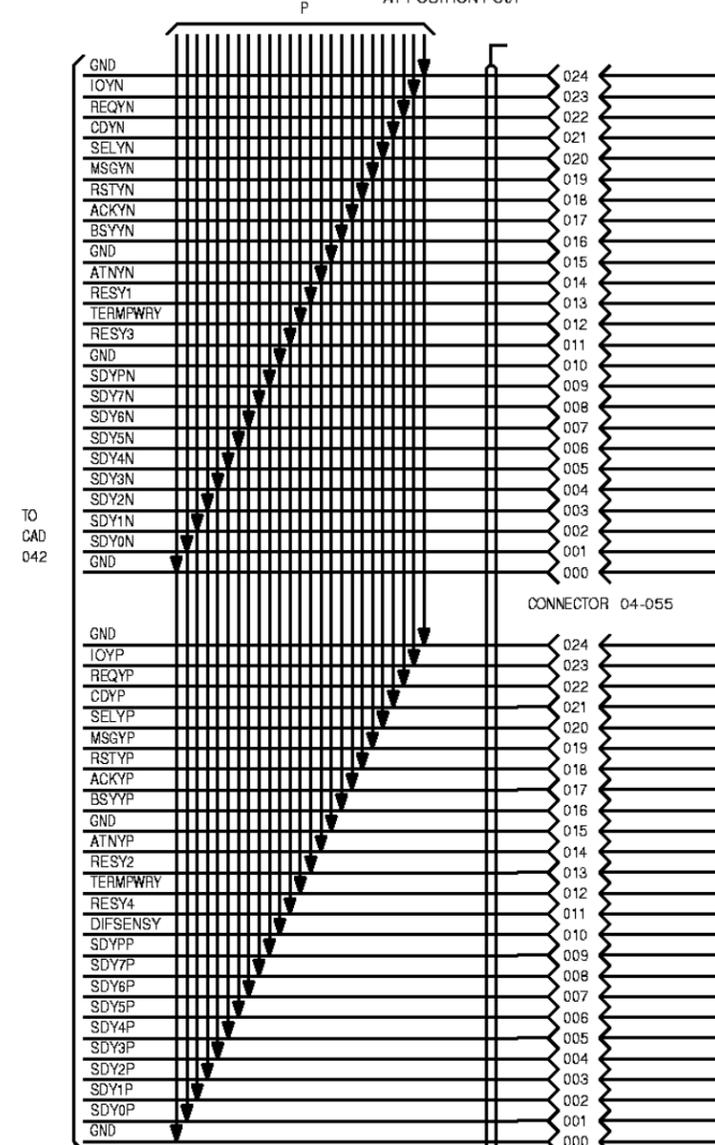


CONNECTOR 04-048

CONNECTOR 04-048

# CAD 041

SCSI CONNECT FOR SPU34/35 AT POSITION PC01



CONNECTOR 04-055

CONNECTOR 04-054

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