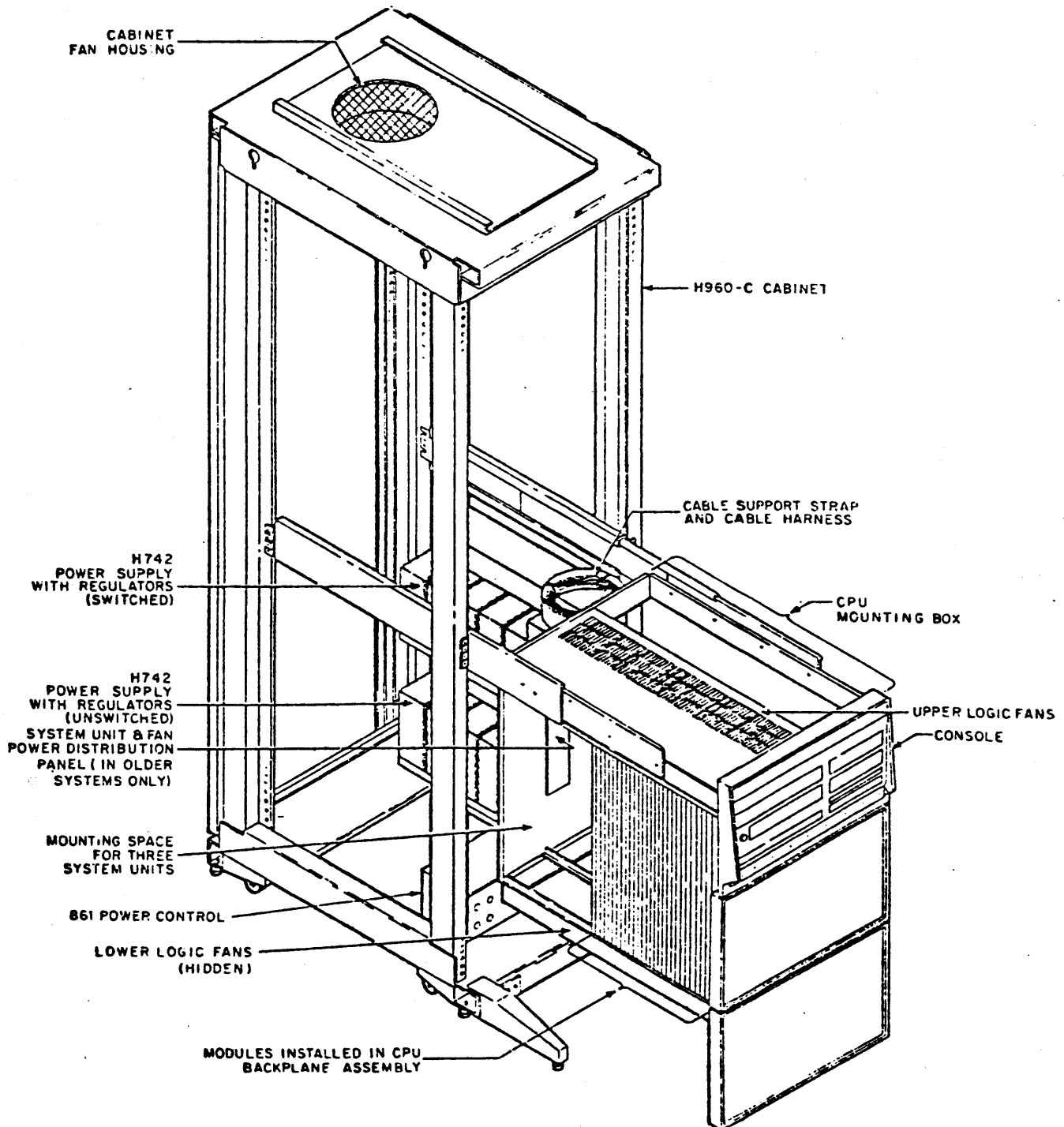


PDP-11/45 170

MAINTENANCE COURSE handout book



SOURCE

DESTINATION

DAPA BR00H
 DAPA BR01H
 DAPA BR02H
 DAPA BR03H
 DAPA BR04H
 DAPA BR05H
 DAPA BR06H
 DAPA BR07H
 DAPA BR08H
 DAPA BR09H
 DAPA BR10H
 DAPA BR11H
 DAPA BR12H
 DAPA BR13H
 DAPA BR14H
 DAPA BR14L
 DAPA BR15H

DAPB, DAPE, IRCF, IRCH
 DAPB, DAPE, IRCE, IRCH
 DAPB, DAPE, IRCF, IRCH
 DAPB, DAPE, IRCF, IRCH
 DAPE, DAPE
 DAPB, DAPE
 DAPC, DAPE
 DAPC, DAPD, DAPE
 DAPC
 DAPC
 DAPC
 DAPD
 DAPD
 DAPD
 RACK
 DAPD

DAPB BAMX00H
 DAPB BAMX01H
 DAPB BAMX02H
 DAPB BAMX03H
 DAPB BAMX04H
 DAPB BAMX05H
 DAPB BAMXS1L
 DAPB BAMXS0L
 DAPB AMX00H
 DAPB AMX01H
 DAPB AMX02H
 DAPB AMX03H
 DAPB AMX04H
 DAPB AMX05H
 DAPB AMXS1L
 DAPB AMXS0L

SJBA, TMCC, UBCC
 SJBA, TMCD
 SJBA, TMCD
 SJBA, TMCD (2)
 SJBA, TMCD
 SJBA, TMCD
 DAPC, DAPD
 DAPC, DAPD
 DAPF, GRAA, IRCE
 DAPF
 DAPF
 DAPF
 DAPF
 DAPF
 DAPC, DAPD
 DAPC, DAPD

DAPB BMX00H
 DAPB BMX01H
 DAPB BMX02H
 DAPB BMX03H
 DAPB BMX04H
 DAPB BMX05H

DAPF
 DAPF
 DAPF
 DAPF
 DAPF
 DAPF

SOURCEDESTINATION

DAPB	BMXS1LOBL	DAPC
DAPB	BMXSØLOBL	DAPC
DAPC	BAMXØ6H	SJBA, TMCD
DAPC	BAMXØ7H	SJBA, TMCD
DAPC	BAMXØ8H	SJBA, PDRC
DAPC	BAMXØ9H	SJBA, PDRC
DAPC	BAMX1ØH	SJBA, PDRC
DAPC	BAMX11H	SJBA, PDRC
DAPC	AMXØ6H	DAPF
DAPC	AMXØ7H	DAPF, FAPJ, IRCE
DAPC	AMXØ8H	DAPH
DAPC	AMXØ9H	DAPH
DAPC	AMX1ØH	DAPH
DAPC	AMX11H	DAPH
DAPC	BMXØ6H	DAPF
DAPC	BMXØ7H	DAPF, IRCE
DAPC	BMXØ8H	DAPH
DAPC	BMXØ9H	DAPH
DAPC	BMX1ØH	DAPH
DAPC	BMX11H	DAPH
DAPD	BAMX12H	PDRC, SJBA
DAPD	BAMX13H	DAPD, PDRC, SJBA
DAPD	BAMX14H	DAPD, PDRC, SJBA
DAPD	BAMX15H	DAPD, PDRC, SJBA
DAPD	AMX12H	DAPH
DAPD	AMX13H	DAPH
DAPD	AMX14H	DAPH
DAPD	AMX15H	DAPH, DAPS, IRCE
DAPD	BMX12H	DAPH
DAPD	BMX13H	DAPH
DAPD	BMX14H	DAPH
DAPD	BMX15H	DAPH, IRCE
DAPD	EX MEM FLAG H	SJBB
DAPD	BMXSØHIBL	DAPC, DAPD
DAPD	BMXS1HIBL	DAPC, DAPD
DAPD	KØEXH	DAPC (2) DAPD (4)
DAPD	KØMXØØBL	
DAPD	KØMXØØH	DAPB
DAPD	KØMXØ1BL	
DAPD	KØMXØ1H	DAPB
DAPD	KØMXØ2BL	

<u>SOURCE</u>	<u>DESTINATION</u>
DAPD KØMXØ2H	DAPB
DAPD KØMXØ3BL	
DAPD KØMXØ3H	DAPB
DAPE TVØ1H	DAPE
DAPE TVØ6H	DAPE
DAPE TVØ2H	DAPE
DAPE TVØ3H	DAPE
DAPE TVØ4H	DAPE
DAPE TVØ5*Ø7H	DAPE (2)
DAPE SVØ2H	DAPE
DAPE SVØ3H	DAPE
DAPE SVØ4H	DAPE
DAPE SVØ5H	DAPE
DAPE SVØ6H	DAPE
DAPE SVØ7H	DAPE (2)
DAPE KIMXØ1H	DAPB
DAPE KIMXØ2H	DAPB
DAPE KIMXØ3H	DAPB
DAPE KIMXØ4H	DAPB
DAPE KIMXØ5H	DAPB
DAPE KIMXØ6H	DAPC
DAPE KIMXØ7H	DAPC
DAPE KIEXH	DAPC (4), DAPD (4)
DAPF LS3H	DAPF
DAPF LS2H	DAPF
DAPF LS1H	DAPF
DAPF LSØH	DAPF
DAPF LMH	DAPF
DAPF COUTØ3L	DAPF
DAPF SHRØØH	GRAB, GRAD, PDRA, PDRF
DAPF SHRØ1H	GRAB, GRAD, PDRA, PDRF
DAPF SHRØ2H	GRAB, GRAD, PDRA, PDRF
DAPF SHRØ3H	GRAB, GRAD, PDRA, PDRF
DAPF PCBØØH	DAPB, DAPF
DAPF PCBØ1H	DAPB, DAPF
DAPF PCBØ2H	DAPB, DAPF
DAPF PCBØ3H	DAPB, DAPF
DAPF PCBØ4H	DAPB, DAPF
DAPF PCBØ5H	DAPB, DAPF
DAPF A=B (15:Ø)L	IRCF
DAPF A=B (7:Ø)H	IRCF
DAPF COUTØ7L	DAPH, DAPS
DAPF SHFRS1BH	
DAPF SHFRSØBH	
DAPF +3VH	DAPA, DAPD
DAPF +3VH	DAPF (2), DAPH

SOURCEDESTINATION

DAPF ALU04H
 DAPF ALU05H
 DAPF ALU06H
 DAPF ALU07H
 DAPF SHFS0H
 DAPF SHFS1H
 DAPF SHFR04H
 DAPF SHFR05H
 DAPF SHFR06H

DAPF (2), DAPH
 DAPF, DAPH
 DAPF, DAPH (2)
 DAPH, DAPJ (3)
 DAPH, DAPJ
 DAPH, DAPJ
 GRAB, GRAE, PDRA, PDRF
 GRAB, GRAE, PDRA, PDRF
 GRAB, GRAE, PDRA, PDRF

DAPF +3VAH

DAPF (2)

DAPH HS0H
 DAPH HS1H
 DAPH HS2H
 DAPH HS3H
 DAPH ALU08H
 DAPH ALU09H
 DAPH ALU10H
 DAPH ALU11H
 DAPH COUT11L
 DAPH SHFR08H
 DAPH SHFR09H
 DAPH SHFR10H
 DAPH SHFR11H
 DAPH PCB06H
 DAPH PCB07H
 DAPH PCB08H
 DAPH PCB09H
 DAPH PCB10H
 DAPH PCB11H
 DAPH HMM
 DAPH COUT15L
 DAPH COUT15H
 DAPH ALU12H
 DAPH ALU13H
 DAPH ALU14H
 DAPH ALU15H
 DAPH SHFR12H
 DAPH SHFR13H
 DAPH SHFR14H
 DAPH PCB12H
 DAPH PCB13H
 DAPH PCB14H
 DAPH PCB15H

DAPH
 DAPH
 DAPH
 DAPH
 DAPF
 DAPF
 DAPF
 DAPF
 DAPH
 GRAB, GRAF, PDRA, PDRF
 GRAB, GRAF, PDRA, PDRF
 GRAB, GRAF, PDRA, PDRF
 GRAB, GRAF, PDRA, PDRF
 DAPC, DAPF
 DAPC, DAPJ
 DAPC, DAPH, DAPJ
 DAPC, DAPH
 DAPC, DAPH
 DAPC, DAPH
 DAPH
 DAPJ
 DAPF, DAPH
 DAPF, DAPH
 DAPF, DAPH
 DAPJ (4)
 GRAB, GRAH, PDRA, PDRF
 GRAB, GRAH, PDRA, PDRF
 GRAB, GRAH, PDRA, PDRF
 DAPD, DAPH
 DAPD, DAPH
 DAPD, DAPH
 DAPD, DAPJ

SOURCEDESTINATION

DAPJ PCB+RTSHØ7H
 DAPF PCB+RTSH15H
 DAPF SHFRAØ7H
 DAPJ SHFRØ7H
 DAPJ SHFRA15H
 DAPJ SHFR15H
 DAPJ ALUCNL
 DAPJ A=B (15:8)+BYTEH
 DAPJ ALU SIGNH
 DAPJ AMXSIGNH
 DAPJ CLKPCBH
 DAPJ CLKPCAH
 DAPJ LEFTDATAH

DAPJ
 DAPJ
 IRCE, IRCF
 GRAB, BRAE, PDRA, PDRF
 IRCE, IFCF
 GRAB, GRAH, PDRA, PDRF
 IRCF
 IRCF
 IRCE
 IRCE
 DAPF, DAPH
 DAPF, DAPH
 GRAB, GRAD

GRAA ROMSHFSØH
 GRAA ROMSHS1H
 GRAA ROMCH
 GRAA ROMMH
 GRAA MODEH
 GRAA UALUØL
 GRAA ROMSØH
 GRAA ROMS1H
 GRAA ROMS2H
 GRAA ROMS3H
 GRAA ROMSØL
 GRAA CINL
 GRAA AMXØ*ASHL
 GRAA OBSWAPL
 GRAA CDEPL
 GRAA SGNEXMOVBL
 GRAA ALUINSDEPL
 GRAA ALUSØL
 GRAA ALUS1L
 GRAA ALUS2L
 GRAA ALUS3L
 GRAA OBSWAPH
 GRAA SWAPL
 GRAA SHFRSØL
 GRAA SHFRS1L
 GRAA ALUCH
 GRAA ALUML
 GRAA WORD+OBSWAPH
 GRAA WORD+OBSWAPL

GRAA
 IRCC

GRAA
 GRAA
 IRCF
 IRCE

DAPD
 GRAJ (2)
 DAPF, DAPH
 DAPF, DAPH
 DAPF, DAPH
 DAPF, DAPH
 GRAB
 GRAA
 DAPF (2)
 DAPF (2)
 DAPF
 DAPF, DAPH
 IRCE, IRCF
 GRAB, IRCE, IRCF

SOURCEDESTINATION

GRAB	DMØ (MFP+MTP) CONDL	GRAC
GRAB	DSTSET1L	GRAC
GRAB	SRCSET1L	GRAC
GRAB	OBD (Ø) H	RACK
GRAB	OBD (1) H	GRAA, IRCB, RACL
GRAB	LEFTSAVE (Ø)	GRAJ
GRAB	LEFTSAVE (1) H	GRAJ (2)
GRAB	ZDATA2L	IRCF
GRAC	PLUS1L	GRAC
GRAC	+3VH	GRAC
GRAC	PADØØL	GRAC
GRAC	GRADENL	GRAC
GRAC	GSA1H	GRAC, GRAD, GRAE, GRAF
GRAC	GSA1H	GRAH
GRAC	GSA2H	GRAC, GRAD, GRAE, GRAF, GRAH
GRAC	GDA1H	GRAC, GRAD, GRAE, GRAF, GRAH
GRAC	GDA2H	GRAC, GRAD, GRAE, GRAF, GRAH
GRAC	DMØX (MFP+MTP) CONDH	GRAC
GRAC	DRMXSELL	GRAD, GRAE, GRAF, GRAH
GRAC	SRMXSELL	GRAD, GRAE, GRAF, GRAH
GRAC	GSREGSET1H	GRAD, GRAE, GRAF, GRAH
GRAC	GSAØH	GRAC, GRAD, GRAE, GRAF, GRAH
GRAC	GDREGSET1H	GRAD, GRAE, GRAF, GRAH
GRAC	GDAØH	GRAD, GRAE, GRAF, GRAH
GRAC	GD6L	TMCC
GRAC	ACT*1RØ3L	IRCC
GRAC	GRA3L	TMCC
GRAC	GRA2L	
GRAC	GRA1L	
GRAC	GRAØL	
GRAC	T6L	GRAD
GRAC	GATET6H	IRCH
GRAC	GRWELOBL	GRAD (2), GRAE (2)
GRAC	GRWEH1BL	GRAF (2), GRAH (2)
GRAD	DRMXØØH	GRAB
GRAD	GSØ3L	GRAE
GRAD	GSØ2L	GRAE
GRAD	GSØ1L	GRAE
GRAD	GSØØL	GRAE
GRAD	CLKDRH	GRAE, GRAF, GRAH
GRAD	CLRDRL	GRAE, GRAF, GRAH
GRAD	DRØØH	DAPB, GRAJ, IRCF, RACK (2)
GRAD	DRØ1H	DAPB, GRAJ, IRCF, RACK (2)

SOURCEDESTINATION

GRAD	DR02H	DAPB, GRAJ, IRCF, RACK(2)
GRAD	DR03H	DAPB, GRAE, GRAJ
GRAD	CLKSRH	GRAE, GRAF, GRAH
GRAD	SR00H	DAPB, GRAE(2), IRCC
GRAD	SR01H	DAPB
GRAD	SR02H	DAPB
GRAD	SR03H	DAPB
GRAD	SR04H	DAPB
GRAD	SR05H	DAPB
GRAE	SRMX04H	GRAD
GRAE	SRMX05H	GRAD
GRAE	SRMX06H	GRAF
GRAE	SRMX07H	GRAF
GRAE	+3VH	GRAD, GRAE, GRAF, GRAH
GRAE	DR04H	DAPB, GRAD, GRAE, GRAJ
GRAE	DR05H	DAPB, GRAE, GRAJ
GRAE	DR06H	DAPC, GRAE
GRAE	DR07H	DAPC, GRAE, GRAF
GRAE	SREQONEL	RACK
GRAE	SRLEQZEROH	GRAJ
GRAF	GS08L	GRAE
GRAF	GS09L	GRAE
GRAF	GS10L	GRAE
GRAF	GS11L	GRAE
GRAF	DR08H	DAPC, GRAE
GRAF	DR09H	DAPC
GRAF	DR10H	DAPC
GRAF	DR11H	DAPC, GRAH
GRAF	SR06H	DAPC
GRAF	SR07H	DAPC, DAPD
GRAF	SR08H	DAPC
GRAF	SR09H	DAPC
GRAF	SR10H	DAPC
GRAF	SR11H	DAPC
GRAH	GS12L	GRAE
GRAH	GS13L	GRAE
GRAH	GS14L	GRAE
GRAH	GS15L	GRAE
GRAH	DR12H	DAPD, GRAF
GRAH	DR13H	DAPD
GRAH	DR14H	DAPD
GRAH	DR15H	DAPD, IRCF

SOURCEDESTINATION

GRAH DR15L	GRAA, IRCF
GRAH SR12H	DAPD
GRAH SR13H	DAPD
GRAH SR14H	DAPD
GRAH SR15H	DAPD, GRAJ(2), RACK
GRAH SR15L	GRAE, GRAJ(3), RACK
GRAJ TP(3:5)H	GRAD, GRAJ
GRAJ LDSCJ	GRAJ
GRAJ SC00H	
GRAJ SC01H	
GRAJ SC02H	
GRAJ SC03H	
GRAJ SC04H	
GRAJ SC=0L	RACK(2)
GRAJ SC05L	GRAJ(2), RACK
GRAJ SHFRDATAH	DAPJ
GRAJ DIVQUITL	RACK
GRAJ DIVSUBL	RACK
IRCA IR00(0)H	GRAB, GRAC, IRCD(2)
IRCA IR00(1)H	IRCC, IRCD, IRCH(2)
IRCA IR01B(1)H	IRCD(2), IRCH
IRCA IR01(0)H	GRAB, IRCD
IRCA IR01(1)H	GRAB, GRAC, IRCC, IRCD, IRCH
IRCA IR02B(1)H	IRCD(2), IRCH(2)
IRCA IR02(0)H	GRAB, IRCD
IRCA IR02(1)H	GRAB, GRAC, IRCC, IRCD
IRCA IR03(0)H	IRCC
IRCA IR03(1)H	GRAC, IRCC, IRCH(2)
IRCA IR04(0)H	IRCH
IRCA IR04(1)H	IRCC(2), IRCH
IRCA IR05(0)H	IRCC(2)
IRCA IR05(1)H	IRCC
IRCA IR06(0)H	GRAB
IRCA IR06(1)H	GRAC, IRCB, IRCH
IRCA IR07(0)H	GRAB
IRCA IR07(1)H	GRAC(2), GRAB, IRCB, IRCC, IRCH
IRCA IR08B(1)H	IRCC, IRCD
IRCA IR08(0)H	GRAB, IRCD
IRCA IR08(1)H	GRAB, GRAC(2), IRCB, IRCD, IRCH
IRCA IR09(0)H	IRCB
IRCA IR09(1)H	IRCB, IRCC, IRCH(2)
IRCA IR10(0)H	

SOURCEDESTINATION

IRCA	IR1Ø(1)H	IRCB(2), IRCC, IRCH
IRCA	IR11(Ø)H	IRCB, IRCH
IRCA	IR11(1)H	IRCB, IRCC, IRCH
IRCA	IR12(Ø)H	IRCB, IRCD, IRCH(2)
IRCA	IR12(1)H	IRCB, IRCH(2)
IRCA	IR13(Ø)H	IRCB, IRCH
IRCA	IR13(1)H	IRCB, IRCD, IRCH(3)
IRCA	IR14(Ø)H	IRCB, IRCH
IRCA	IR14(1)H	IRCB, IRCD, IRCH(3)
IRCA	IR15B(1)H	IRCA, IRCB(4), IRCC, IRCD
IRCA	IR15(Ø)H	IRCB, IRCC, IRCD
IRCA	IR15(1)H	IRCD(3), IRCH
IRCB	IR(14:12)7H	IRCC
IRCB	IR(14:12)7L	IRCB(2)
IRCB	IR(14:12)1L	IRCB, IRCC
IRCB	IR(14:12)ØL	
IRCB	IR(14:12)ØH	IRCB, IRCD(2)
IRCB	IR(14:9)Ø6L	IRCC(2), IRCD
IRCB	IR(14:9)Ø5L	IRCB, IRCC, IRCD
IRCB	IR(14:9)Ø4L	IRCB(2), IRCD
IRCB	IR(14:9)ØØL	IRCB(2)
IRCB	SRCF7L	DAPJ, GRAC, IRCC
IRCB	IR(8:6)6L	IRCC(2)
IRCB	IR(8:6)4L	IRCB
IRCB	IR(8:6)3L	IRCB
IRCB	IR(8:6)2L	IRCB
IRCB	IR(8:6)1L	IRCB
IRCB	IR(8:6)ØL	IRCB, IRCD
IRCB	IR(8:6)Ø+2H	IRCB
IRCB	OBD(ASRB+RORB)L	GRAA, IRCB
IRCB	(MUL:ASHC)+MFPL	
IRCB	JMP+JSRH	
IRCB	FJCLASSL	RACK, RACL
IRCB	FCLASSH	IRCC, IRCD(2), IRCE
IRCB	KCLASSH	
IRCB	ICLASSL	GRAC, GRAJ
IRCB	MOVBL	IRCD
IRCB	MOVBH	GRAA
IRCB	SWABH	
IRCB	PCLASSH	GRAJ, TMCE
IRCB	PARTPCLASSL	IRCC
IRCB	BIRABØØL	RACL
IRCB	BØRABØ3L	RACL(2)
IRCB	NEG.BH	
IRCB	NEG.BL	GRAA, IRCB

SOURCEDESTINATION

IRCB BØRABØ4L
 IRCB BØRABØ2L
 IRCB BØRABØ1L
 IRCB BØRABØØL

RACL (2)
 RACL
 RACL
 RACL

IRCC SRCMØL
 IRCC SRCM2L
 IRCC SRCM3L
 IRCC SRCM4L
 IRCC SRCM5L
 IRCC SRCM7L
 IRCC FCLASSL
 IRCC DSTF7L
 IRCC IR (11:9) 6H
 IRCC OCLASSL
 IRCC OCLASSH
 IRCC CØRABØ3L
 IRCC CØRABØ2L
 IRCC CØRABØ1L
 IRCC CØRABØØL
 IRCC DSTM7L
 IRCC DSTM5L
 IRCC DSTM4L
 IRCC DSTM3L
 IRCC DSTM2L
 IRCC DSTMØH
 IRCC DSTMØL
 IRCC SRCCON 2H
 IRCC SM357H
 IRCC SRCCON 1H
 IRCC (ROR.B+MUL) H
 IRCC MFP+MTPH
 IRCC DMØ (MFP+MTP) H
 IRCC ROMDECENAH

IRCD
 IRCC
 IRCC (2)
 IRCC
 IRCC (2)
 IRCC
 IRCD
 IRCB, IRCD
 RACK, TMCE (2)
 RACL
 RACL
 RACL
 RACL
 DAPJ, GRAC, IRCD (2)
 IRCD (2)
 IRCD (2)
 IRCD (2)
 IRCD (2)
 RACL
 GRAA, IRCC, RACL
 DAPD
 RACL, TMCC
 DAPD
 DAPJ (2), IRCC
 GRAB, GRAC
 IRCB (3)

IRCD DSTF67H
 IRCD DSTM24H
 IRCD DSTCON 1ØH
 IRCD DSTCON 4H
 IRCD DSTCON 2H
 IRCD DSTCON 1H
 IRCD BYINAH
 IRCD SBYNH
 IRCD BYINH
 IRCD WDINH
 IRCD BYIN* (-MOV) L
 IRCD DM357H
 IRCD +3VH

IRCD
 IRCD
 DAPD
 DAPD
 DAPD
 DAPD
 IRCD (3), IRCE
 IRCC (2)
 DAPJ (2), IRCD
 IRCC, IRCD, IRCE (2)
 GRAC
 RACK
 IRCB (2), IRCC (2), IRCD

SOURCEDESTINATION

IRCD	DSTF6H	GRAC (2)
IRCD	RTTL	TMCB
IRCD	IOTL	DAPE
IRCD	OPCODE3L	DAPE
IRCD	TRAPL	DAPE
IRCD	EMTL	DAPE
IRCE	ENWORDH	GRAB
IRCE	ENLOBH	GRAB
IRCE	ENHIBH	GRAB
IRCE	LOBCARRYH	IRCF
IRCE	WOBCARRYH	IRCF
IRCE	PSLOADL	IRCF (3), IRCE
IRCE	CC BRH	IRCF (2)
IRCE	LOADFCCL	IRCE, IRCF (3)
IRCE	VDATAL	IRCH
IRCF	CCINSDEPAH	IRCE, IRCF (2)
IRCF	CCFPLOADL	IRCE
IRCF	CCLD4L	IRCE, IRCF
IRCF	CCINSDEPH	
IRCF	CCLD5L	IRCE (3), IRCF
IRCF	CCLØ2L	IRCH
IRCF	CCLØØL	IRCH
IRCF	CCLD67L	IRCE, IRCF
IRCF	CCLD7L	IRCF (2)
IRCF	CEN2H	
IRCF	CEN1H	
IRCF	CDATAL	IRCH
IRCF	CCNONAFFLE	IRCE, IRCF (3)
IRCF	Z2 (Ø) H	GRAJ, IRCH
IRCF	Z2 (1) H	RACH
IRCF	Z1 (Ø) H	IRCH
IRCF	Z1 (1) H	IRCH
IRCF	BR=1SAVE (0) H	IRCF
IRCF	BR=1SAVE (1) H	
IRCF	ZIN VH	IRCF
IRCF	NEN1H	IRCE, IRCF
IRCF	MUL+DIVNZVENH	IRCE, IRCF
IRCF	ZDATA1L	IRCF
IRCF	SETVH	IRCE
IRCF	NDATAL	IRCH
IRCF	CHECK2H	GRAB
IRCH	SWABL	GRAA (2), IRCE (2), IRCF
IRCH	BINL	IRCC, IRCH

SOURCEDESTINATION

IRCH +3VH	IRCE, IRCF, IRCH(2)
IRCH SUBL	IRCH
IRCH CLKINHL	IRCH
IRCH SE+CCH	IRCF
IRCH CCCLKH	
IRCH N(Ø)H	GRAJ, IRCH, RACF
IRCH N(1)H	GRAA, GRAJ, IRCF, RACF(2)
IRCH NB(1)H	PDRD
IRCH MATNH	--
IRCH ZCLRL	--
IRCH Z(Ø)H	--
IRCH MATZH	--
IRCH Z(1)H	GRAB, IRCF(2), IRCH, PDRD, PDRE, RACF(2)
IRCH ZSETL	IRCF
IRCH ENVH	IRCE
IRCH VMODØH	IRCE
IRCH VMOD1H	IRCE(2)
IRCH ENCH	IRCF
IRCH CMODØH	IRCF(2)
IRCH CMOD1H	IRCF(2)
IRCH ENZNH	IRCF
IRCH MODZNH	IRCE, IRCF(4)
IRCH V(Ø)H	RACF
IRCH V(1)H	IRCE, PDRD, RACF(2)
IRCH MATVH	--
IRCH SUBROMAØH	GRAA
IRCH SUBROMA1H	GRAA
IRCH SUBROMA2H	GRAA
IRCH SUBROMA3H	GRAA
IRCH SUBROMA4H	GRAA
IRCH R(PARTPCCLASS)H	IRCB
IRCH R(ICLASS)H	DAPJ(2), IRCB
IRCH R(KCLASS)H	IRCB
IRCH R(MUL:ASHC+MFP)H	IRCB
IRCH R(MFP+MTP)H	IRCC
IRCH R(ROR·B+MUL)H	IRCC
IRCH DIV+ASHCH	GRAA
IRCH SXTH	GRAA
IRCH CB(1)H	DAPJ, PDRD
IRCH MATCH	
IRCH C(Ø)H	GRAA, IRCH
IRCH C(1)H	GRAA, GRAJ, IRCF, RACF
PDRA BRMXØØH	DAPA, IRCA, PDRB, RACJ
PDRA BRMXØ1H	DAPA, IRCA, PDRB, RACJ
PDRA BRMXØ2H	DAPA, IRCA, PDRB, RACJ

SOURCE

DESTINATION

PDRA	BRMX00H	DAPA, IRCA, PDRB, RACJ
PDRA	BRMX01H	DAPA, IRCA, PDRB, RACJ
PDRA	BRMX02H	DAPA, IRCA, PDRB, RACJ
PDRA	BRMX03H	DAPA, IRCA, PDRB, RACJ
PDRA	BRMX04H	DAPA, IRCA, PDRB, RACJ
PDRA	BRMX05H	DAPA, IRCA, PDRB, RACJ
PDRA	BRMX06H	DAPA, IRCA, PDRB, RACJ
PDRA	BRMX07H	DAPA, IRCA, PDRB, RACJ
PDRA	BRMX08H	DAPA, IRCA, PDRB, RACH, RACJ
PDRA	BRMX09H	DAPA, IRCA, PDRB, RACH, RACJ
PDRA	BRMX10H	DAPA, IRCA, PDRB, RACH, RACJ
PDRA	BRMX11H	DAPA, IRCA, PDRB, RACJ
PDRA	BRMX12H	DAPA, IRCA, PDRB, RACJ
PDRA	BRMX13H	DAPA, IRCA, PDRB, RACJ (2)
PDRA	BRMX14H	DAPA, IRCA, PDRB, RACJ
PDRA	BRMX15H	DAPA, IRCA, PDRB, RACJ (2)
PDRA	BRMXS1H	PDRA
PDRA	BRMXS0H	PDRA
PDRA	INTD00H	PDRA
PDRA	INTD01H	PDRA
PDRA	INTD02H	PDRA
PDRA	INTD03H	PDRA
PDRA	INTD04H	PDRA
PDRA	INTD05H	PDRA
PDRA	INTD06H	PDRA
PDRA	INTD07H	PDRA
PDRA	INTD08H	PDRA
PDRA	INTD09H	PDRA
PDRA	INTD10H	PDRA
PDRA	INTD11H	PDRA
PDRA	INTD12H	PDRA
PDRA	INTD13H	PDRA
PDRA	INTD14H	PDRA
PDRA	INTD15H	PDRA
PDRB	BR00AH	PDRB (2), PDRC, PDRD, PDRE, PDRF
PDRB	BR01AH	PDRB (2), PDRC, PDRD, PDRE, PDRF
PDRB	BR02AH	PDRB (2), PDRC, PDRD, PDRE, PDRF
PDRB	BR03AH	PDRB (2), PDRC, PDRD, PDRE, PDRF
PDRB	BR04AH	PDRB (2), PDRC, PDRD, PDRE, PDRF
PDRB	BR05AH	PDRB (2), PDRC, PDRD, PDRE, PDRF
PDRB	BR06AH	PDRB (2), PDRC, PDRD, PDRE, PDRF
PDRB	BR07AH	PDRB (2), PDRC, PDRD, PDRE, PRRF
PDRB	BR08AH	PDRB (2), PDRC, PDRE, PDRF
PDRB	BR09AH	PDRB (2), PDRC, PDRD, PDRE, PDRF
PDRB	BRL0AH	PDRB (2), PDRC, PDRD, PDRE, PDRF

PDP-11/45

SOURCE

DESTINATION

PDRB BR11AH	PDRB (2), PDRC, PDRD (3), PDRE, PDRF
PDRB BR12AH	PDRB (2), PDRC, PDRD (2), PDRE, PDRF
PDRB BR13AH	PDRB (2), PDRC, PDRD (3), PDRE, PDRF
PDRB BR14AH	PDRB (2), PDRC, PDRD (2), PDRE, PDRF
PDRB BR15AH	PDRB (2), PDRC, PDRD (3), PDRE, PDRF
PDRB LR00H	PDRF
PDRB LR01H	PDRF
PDRB LR02H	PDRF
PDRB LR03H	PDRF
PDRB LR04H	PDRF
PDRB LR05H	PDRF
PDRB LR06H	PDRF
PDRB LR07H	PDRF
PDRB LR08H	PDRF
PDRB LR09H	PDRF
PDRB LR10H	PDRF
PDRB LR11H	PDRF
PDRB LR12H	PDRF
PDRB LR13H	PDRF
PDRB LR14H	PDRF
PDRB LR15H	PDRF
PDRB BR00BL	IRCH
PDRB BR01BL	IRCH
PDRB BR02BL	IRCH
PDRB BR03BL	IRCH
PDRB BR04BL	IRCH
PDRB BR05BL	IRCH
PDRB BR06BL	IRCH
PDRB BR07BL	IRCH
PDRB BR08BL	IRCH
PDRB BR09BL	IRCH
PDRB BR10BL	IRCH
PDRB BR11BL	IRCH
PDRB BR12BL	IRCH
PDRB BR13BL	IRCH
PDRB BR14BL	IRCH
PDRB BR14BL	IRCH
PDRC PB00 (1) H	PDRC, PDRE
PDRC PB01 (1) H	PDRC, PDRE
PDRC PB02H	PDRC, PDRE
PDRC PB03H	PDRC, PDRE
PDRC PB04H	PDRC, PDRE
PDRC PB05H	PDRC, PDRE
PDRC PB06H	PDRC, PDRE
PDRC PB07H	PDRC, PDRE
PDRC +3VH	PDRC (2), PDRB (3), PDRD (2), PDRJ (2)
PDRC SL00 (1) H	PDRC, PDRE

SOURCEDESTINATION

PDRC	SLØ1 (1)H	PDRC, PDRE
PDRC	SLØ2H	PDRC, PDRE
PDRC	SLØ3H	PDRC, PRRE
PDRC	SLØ4H	PDRC, PDRE
PDRC	SLØ5H	PDRC, PDRE
PDRC	SLØ6H	PDRC, PDRE
PDRC	SLØ7H	PDRC, PDRE
PDRC	PBCMPH	TIGB (2)
PDRC	REDZONEH	TMCD
PDRC	STACKLIMITH	TMCD (2)
BUS	INTDØ3L	
BUS	INTDØ2L	
BUS	INTDØ1L	
BUS	INTDØØL	
PDRD	PIRØ9 (1)H	PDRE, TMCB
PDRD	PIR1Ø (1)H	PDRE, TMCB
PDRD	PIR11 (1)H	PDRE, TMCB
PDRD	PIR12 (1)H	PDRE, TMCA
PDRD	PIR13 (1)H	PDRE, TMCA
PDRD	PIR14 (1)H	PDRE, TMCA
PDRD	PIR15 (1)H	PDRE
PDRD	PIAØØH	PDRE (2)
PDRD	PIAØ1H	PDRE (2)
PDRD	PIAØ2H	PDRE (2)
PDRD	KERNELDATIBH	PDRD
PDRD	READPSH	PDRD (2)
PDRD	IBSØØBL	PDRD (2)
PDRD	PRIORITY=ØH	TMCB
PDRD	PSCLKH	PDRD
PDRD	LOADPSH	PDRD (2)
BUS	INTDØ4L	----
PDRD	PSØ4 (1)H	PDRE, TMCB
PDRD	PSØ5 (Ø)H	PDRD
BUS	INTDØ5L	----
PDRD	PSØ5 (1)H	PDRE, TMCB
PDRD	PSØ6 (Ø)H	PDRD, TMCB
BUS	INTDØ6L	----
PDRD	PSØ6 (1)H	PDRE, TMCB
PDRD	PSØ7 (Ø)H	PDRD, TMCA, TMCB (2)
BUS	INTØ7L	----
PDRD	PSØ7 (1)H	PDRE, TMCB
PDRD	PS11 (Ø)H	GRAC
BUS	INTD11L	----
PDRD	PS11 (1)H	GRAB, PDRE
PDRD	PS12 (Ø)H	----
BUS	INTD12L	----

SOURCEDESTINATION

PDRD	PS12(1)H	GRAC, PDRE
PDRD	PS13(Ø)H	GRAC
BUS	INTD13L	
PDRD	PS13(1)H	PDRE
PDRD	PS14(Ø)H	GRAC, PDRD, SJBB, TMCC, TMCE
BUS	INTD14L	----
PDRD	PS14(1)H	GRAB, PDRD, PDRE
PDRD	PS15(Ø)H	GRAB, SSBB
BUS	INTD15L	
PDRD	PS15(1)H	GRAC(2), PDRE, TMCA
PDRF	DISPDØØH	PDRH
PDRF	DISPDØ1H	PDRH
PDRF	DISPDØ2H	PDRH
PDRF	DISPDØ3H	PDRH
PDRF	DISPDØ4H	PDRH
PDRF	DISPDØ5H	PDRH
PDRF	DISPDØ6H	PDRH
PDRF	DISPDØ7H	PDRH
PDRF	DISPDØ8H	PDRH
PDRF	DISPDØ9H	PDRH
PDRF	DISPD1ØH	PDRH
PDRF	DISPD11H	PDRH
PDRF	DISPD12H	PDRH
PDRF	DISPD13H	PDRH
PDRF	DISPD14H	PDRH
PDRF	DISPD15H	PDRH
PDRF	DISPS16	PDRF
PDRF	DISPSØL	PDRF
BUS	INTDØØL	PDRA
BUS	INTDØ1L	PDRA
BUS	INTDØ2L	PDRA
BUS	INTDØ3L	PDRA
BUS	INTDØ4L	PDRA
BUS	INTDØ5L	PDRA
BUS	INTDØ6L	PDRA
BUS	INTDØ7L	PDRA
BUS	INTDØ8L	PDRA
BUS	INTDØ9L	PDRA
BUS	INTD1ØL	PDRA
BUS	INTD11L	PDRA
BUS	INTD12L	PDRA
BUS	INTD13L	PDRA
BUS	INTD14L	PDRA
BUS	INTD15L	PDRA
PDRH	DISPDATASELØH	PDRF
PDRH	DISPDATASEL1H	PDRF
PDRH	SWRØØH	PDRH

SOURCE

DESTINATION

PDRH SWR01H
 PDRH SWR02H
 PDRH SWR03H
 PDRH SWR04H
 PDRH SWR05H
 PDRH SWR06H
 PDRH SWR07H
 PDRH SWR08H
 PDRH SWR09H
 PDRH SWR10H
 PDRH SWR11H
 PDRH SWR12H
 PDRH SWR13H
 PDRH SWR14H
 PDRH SWR15H

PDRH
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PDRJ D00H
 PDRJ D01H
 PDRJ D02H
 PDRJ D03H
 PDRJ D04H
 PDRJ D05H
 PDRJ D06H
 PDRJ D07H
 PDRJ D08H
 PDRJ D09H
 PDRJ D10H
 PDRJ D11H
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 PDRJ D15H

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RACA ZAPL
 RACA CLKRARH
 RACA CLKARARH
 RACA UDRX00H
 RACA ~~UDRX01H~~ UDRX01H
 RACA USRX00H
 RACA USRX01H
 RACA UBRXH
 RACA UBRXH
 RACA UCCL00H
 RACA UCCL01H
 RACA UCCL02H
 RACA UDRK00H
 RACA UDRK01H
 RACA USRKH

RACC, RACD
 RACC(2)
 RACD
 GRAC
 GRAC
 GRAC
 GRAC
 PDRA
 DAPA, UBCB(2)
 IRCF
 IRCF, IRCH
 IRCF
 GRAB(2), GRAD(2), GRAE, GRAF, GRAH
 GRAB(2), GRAD(2), GRAE, GRAF, GRAH
 GRAD

SOURCEDESTINATION

RACA	RARB02H	RACB
RACA	RARB03H	RACB
RACA	RARB04H	RACB
RACA	RARB05H	RACB
RACA	RARB06H	RACB
RACA	RARB07H	RACB
RACA	+3VH	RACA, RACB, RACC(3), RACD
RACA	UIRKH	IRCA
RACA	UIRKAH	RACJ
RACA	USHF00H	GRAA, RACJ
RACA	USHF01H	GRAA
RACA	UPCB00H	DAPJ(2)
RACA	UPCB01H	DAPJ(2)
RACA	UPCAH	DAPJ
RACB	ROM46H	RACA
RACB	ROM47H	RACA
RACB	ROM40BL	TIGA
RACB	ROM40H	RACB
RACB	UPAD00H	GRAC(2)
RACB	UPAD01H	GRAC(3)
RACB	UPAD02H	GRAC(2)
RACB	UPWE00H	GRAC(2)
RACB	UPWE01H	DAPJ, GRAB, GRAC
RACB	ROM32H	RACC
RACB	ROM33H	RACC
RACB	ROM34H	RACC
RACB	UIBS00H	IRCE, PDRD, TMCF(2)
RACB	UIBS01H	IRCE, PDRD(4), TMCF
RACB	UBAX00H	DAPB, TMCC
RACB	UBAX01H	DAPB
RACB	UBSD00H	TIGA(2), TMCE
RACB	UBSD01H	RACA, TIGA, TMCC(2), TMCD, TMCE, UCB(2)
RACB	CLKRBR(34:28)H	RACC
RACC	USHC00H	GRAJ(2)
RACC	USHC00H	GRAJ
RACC	RARB00H	RACA, RACB
RACC	RARB01H	RACA, RACB
RACC	RARB04H	RACD
RACC	RARB05H	RACD
RACC	RARB06H	RACD
RACC	UMSC00L	TMCE(2)
RACC	UMSC00H	TMCE
RACC	UMSC01H	TMCE(2)
RACC	UMSC02H	TMCE(3)

<u>SOURCE</u>	<u>DESTINATION</u>
RACC UBCT00H	TMCC (2), TMCE, TMCF, UBCB, UBCF
RACC UBCT01H	TMCC (2), TMCE, UBCB, UBCF
RACC UBCT02H	TMCC (2), TMCE, UBCB, UBCE, UBCF
RACC USHC01H	GRAJ (2)
RACC RAR07H	RACD
RACC UBMX01H	DAPB, DAPD
RACC UAMX00H	DAPB
RACC UAMX01H	DAPB
RACC UBSC00H	RACH, TMCC, TMCE (2)
RACC UBSC01H	RACH, TMCC, TMCE (2)
RACC UBSC02H	RACH, TMCC, TMCE (3)
RACC UALU0H	GRAA, IRCH (3), RACC
RACC UALU1H	GRAA, IRCH (2), RACC
RACC UALU2H	GRAA, IRCH (3), RACC
RACC UKMX00H	DAPC, DAPD, DAPE
RACC UKMX01H	DAPD, DAPE
RACC UBMX00H	DAPB, DAPD
RACD UAFENL	RACL
RACD UBFENL	RACL
RACD UCFENL	RACL
RACD ROM15H	RACC
RACD UBEFA00L	RACK (2)
RACD UBEFB01L	RACK
RACD UBEFB00L	RACK
RACD UBEFA01L	RACK (2)
RACD UBEF02L	RACK, RACL
RACD UBEF03L	RACK (3), RACL
RACD UBEF03H	RACK
RACD UADR04L	RACL
RACD UADR05L	RACL
RACD UADR06L	RACL
RACD UADR07L	RACL
RACD RAR00H	PDRC, PDRF
RACD RAR01H	PDRC, PDRF
RACD RAR02H	PDRC, PDRF
RACD RAR03H	PDRC, PDRF
RACD RAR04L	PDRC, PDRF
RACD RAR05L	PDRC, PDRF
RACD RAR06L	PDRC, PDRF
RACD RAR07L	RACL
RACD RAR00H	PDRC, PDRF
RACD RAR01H	PDRC, PDRF
RACD RAR02H	PDRC, PDRF
RACD RAR03H	PDRC, PDRF
RACD RAR04H	PDRC, PDRF
RACD RAR05H	PDRC, PDRF
RACD RAR06H	PDRC, PDRF

<u>SOURCE</u>	<u>DESTINATION</u>
RACD RARØ7H	PDRC, PDRF
RACD RARAØ3H	RACC
RACED RARAØ2H	RACC
RACD RARAØ1H	RACC
RACD RARAØØH	RACC
RACD UADRØØL	RACL
RACD UADRØ1L	RACL
RACD UADRØ2L	RACL
RACD UADRØ3L	RACL
RACE JMP+JSR+SWABH	RACE, RACH
RACE BF1=ØL	RACE(3), RACF, RACH(3)
RACE SMØL	RACH(2)
RACE BIN*SMØH	RACF, RACH
RACE BF3=5L	RACF
RACE (MUL:ASH+MFP)H	----
RACE BF2=5L	RACH
RACE RCLASSH	RACE, RACH
RACE AØRABØ2L	RACL
RACE AØRABØ1L	RACL
RACE AØRABØØL	RACL
RACE BF2=4L	RACE
RACE +3VH	RACE(3), RACF(3)
RACE BF1=7L	RACF, RACH(3)
RACE BINL	RACF, RACH
RACE AØRABØ5L	RACL(2)
RACE BRINSTH	RACH(4)
RACE AØRABØ4L	RACL(3)
RACE AØRABØ3L	RACL
RACF XCLASSH	RACF
RACF (RTS:CCOP)H	----
RACF UCLASSH	RACE
RACF IR(11:8)ØL	RACF
RACF (HALT:OPCODE7)H	RACE
RACF BFØ1=ØL	RACF
RACF A1RABØ5L	RACL
RACF A1RABØ2L	RACL
RACF A1RABØ1L	RACL
RACF A1RABØØL	RACL
RACF TRUE2H	RACH
RACF TRUE1H	RACH(2)
RACF A2RABØ5L	RACL
RACF A2RABØ3L	RACL
RACH A2RABØ1L	RACL
RACH A2RABØ2L	RACL
RACH BF2=7L	RACF

SOURCEDESTINATION

RACH	DF7L	----
RACH	DF7+BRQH	RACE, RACF
RACH	DMØL	RACF, RACH(2)
RACH	DMØH	RACE, RACF, RACH
RACH	AØRABØ7L	RACL
RACH	NEGB*DMØH	RACH
RACH	BIN*(-SMØ1)L	RACF
RACH	PSWABH	RACE, RACH
RACH	AFIRØ9A(Ø)H	RACE(2), RACF(2)
RACH	AFIRØ9A(1)H	RACF(2)
RACH	AFIR1ØA(Ø)H	RACE(2), RACF(2)
RACH	AFIR1ØA(1)H	RACF(2)
RACH	+3VH	RACF(2), RACH(4)
RACH	BUSTH	TIGA, TMCE(2)
RACH	TCLASSL	RACE
RACH	A1RABØ4L	RACL
RACH	A2RABØØL	RACL(2)
RACJ	CLKAFIRL	RACH
RACJ	AFIRØØ(1)H	RACF, RACH
RACJ	AFIRØØ(Ø)H	----
RACJ	AFIRØ1(1)H	RACF, RACH
RACJ	AFIRØ1(Ø)H	----
RACJ	AFIRØ2(1)H	RACF, RACH
RACJ	AFIRØ2(Ø)H	----
RACJ	AFIRØ3(1)H	RACF(3)
RACJ	AFIRØ3(Ø)H	RACE, RACH
RACJ	AFIRØ4(1)H	RACF(2)
RACJ	AFIRØ4(Ø)H	RACE, RACF(2), RACH
RACJ	AFIRØ5(1)H	RACF
RACJ	AFIRØ5(Ø)H	RACE, RACF(4), RACH(2)
RACJ	AFIRØ6(1)H	RACE(3), RACF, RACH
RACJ	AFIRØ6(Ø)H	RACE(3), RACH(2)
RACJ	AFIRØ7(1)H	RACF, RACH
RACJ	AFIRØ7(Ø)H	RACE, RACF(4), RACH(3)
RACJ	BUFARIRØ8(1)H	RACE, RACH(2)
RACJ	ARIRØ8(Ø)H	RACE(2), RACF, RACH
RACJ	ARIRØ8(1)H	RACE(2), RACF, RACH
RACJ	AFIRØ9(Ø)H	RACE(3), RACF(2)
RACJ	AFIRØ9(1)H	RACE, RACF, RACH(2)
RACJ	AFIR1Ø(Ø)H	RACE(3), RACF, RACH
RACJ	AFIR1Ø(1)H	RACE, RACF(2), RACH(2)
RACJ	BUFAFIR11(1)H	RACE(2), RACF(2), RACH
RACJ	ARIR11(Ø)H	RACE(2), RACF, RACH(3)
RACJ	ARIR11(1)H	RACE(3), RACF, RACH(2)
RACJ	ARIR12(Ø)H	RACE(3), RACF
RACJ	ARIR12(1)H	RACE(4)
RACJ	ARIR13(Ø)H	RACE(3), RACF

SOURCEDESTINATION

RACJ ARIR13 (1)H
 RACJ ARIR14 (Ø)H
 RACJ ARIR14 (1)H
 RACJ ARIR15 (Ø)H
 RACJ ARIR15 (1)H

RACE (4)
 RACE (3), RACF
 RACE (4)
 RACE (3), RACF (3)
 RACE, RACF (2), RACH

RACK BRCABØ5L
 RACK +3V
 RACK FPREQH
 RACK SYNCBRC1Ø (1)H
 RACK BRCABØ4L
 RACK BEF (1:Ø)1H
 RACK BEF (3:2)3H
 RACK BEF (1:Ø)ØH
 RACK BRCABØØL
 RACK BRCABØ1L
 RACK BRCABØ2L
 RACK BRCABØ6L
 RACK BRCABØ7L

RACL
 RACK
 RACK
 RACK (2)
 RACL
 RACL
 RACK, RACL (2)
 RACK, RACL
 RACL
 RACL
 RACL
 RACL
 RACL

RACL RADRØØH
 RACL RADRØ1H
 RACL RADRØ2H
 RACL RADRØ3H
 RACL RADRØ4H
 RACL RADRØ5H
 RACL RADRØ6H
 RACL RADRØ7H
 RACL +3VH

RACC, RACD
 RACC, RACD
 RACA, RACD
 RACA, RACD
 RACA, RACC, RACD
 RACA, RACC, RACD
 RACA, RACC, RACD
 RACA, RACC, RACD
 RACL

SJBB (SSRKT11CFAST (1)L)
 SJBB (SSRDMEMMGMTTRAPL)
 SJBB (SSRBENABLET3DLYH)
 SJBB (SSRAPSTORE (1)H)

TMCD
 TMCA
 TIGA, TIGB
 PDRD, RACK

TIGA ROM4ØH
 TIGA CONTH
 TIGA STOPL1L
 TIGA MEMSYNCH
 TIGA T1 (1)H
 TIGA TIMATH
 TIGA +3VA
 TIGA TISYNCH (1)H
 TIGA TIA (1)H
 TIGA TIA (Ø)H
 TIGA CONT (Ø)H
 TIGA T2 (Ø)H
 TIGA +3VE
 TIGA T2A (1)H

TIGA
 TIGA (2)

 TIGA (4), TIGB, TIGE

 TIGA (3)
 TIGA
 TIGC
 TIGA, TIGC
 TIGA (2)
 TIGA (2)
 TIGA (3)
 TIGA, TIGC, TIGE

SOURCEDESTINATION

TIGA	T2A(Ø)H	TIGC
TIGA	SØ(1)H	TIGA(2)
TIGA	S1(1)H	TIGA(2)
TIGA	STOPT3L	----
TIGA	T3(1)H	TIGC, TIGE
TIGA	T3(Ø)H	TIGC
TIGA	UBSDØ1L	TIGA
TIGA	+3VM	TIGA(4)
TIGA	STOPT1L	TIGA
TIGA	T4(1)H	TIGA, TIGB, TIGC, TIGE
TIGA	T4(Ø)H	TIGA, TIGC
TIGA	T5(1)H	TIGA
TIGA	T5(Ø)H	TIGA
TIGA	UBSDØØH	TIGA(2)
TIGA	UBSDØ1H	TIGA, TIGB
TIGA	+3VN	TIGA(4)
TIGA	T1(1)BL	TIGA
TIGA	ROMINITBL	TIGA, TIGE
TIGA	ROMINITAL	TIGA(2)
TIGA	T5A(1)H	TIGC, TIGE
TIGA	T5A(Ø)H	TIGA, TIGC
TIGB	XTALH	TIGB(3)
TIGB	RCL	----
TIGB	RCH	TIGB(3)
TIGB	PBSYNCHH	----
TIGB	SSRMATH	----
TIGB	SINGLECYL	TIGA
TIGB	ROM+UPB(1)H	TIGA
TIGB	CONTL	TIGA
TIGB	SOURCECLOCKL	----
TIGB	+3VK	TIGB(2)
TIGB	+3VJ	TIGB
TIGB	+3VH	TIGB
TIGB	CLOCKH	TIGC, TIGD
TIGB	CLOCKL	TIGC, TIGD
TIGC	TFRL	----
TIGC	TFL	TMCC
TIGC	TPBL	TIGA(6), TIGB
TIGC	TFRH	----
TIGC	TFH	GRAC, IRCH, UBCB
TIGC	TPBH	TIGA(5), TIGE
TIGC	TIBRL	----
TIGC	TIRL	----
TIGC	TIBL	GRAD, RACB, RACC, RACK, UBCA, UBCB
TIGC	TIL	DAPA
TIGC	TIBRH	----
TIGC	TIRH	----

<u>SOURCE</u>	<u>DESTINATION</u>
TIGC TIBH	RACB(2), RACK, RACJ, UBCB, UBCC, UBCD
TIGC TIH	DAPJ, GRAB(2), GRAD, IRCA
TIGC T2BRL	----
TIGC T2RL	----
TIGC T2BL	----
TIGC T2L	RACA, TMCD
TIGC T2BRH	----
TIGC T2RH	----
TIGC T2BH	----
TIGC T2H	UBCB
TIGD T3BRL	----
TIGD T3RL	----
TIGD T3BL	----
TIGD T3L	GRAD, GRAJ, RACA, TMCE
TIGD T3BRH	----
TIGD T3RH	----
TIGD T3BH	UBCA(2)
TIGD T3H	PDRJ, UBCB
TIGD T4BRL	----
TIGD T4RL	----
TIGD T4BL	----
TIGD T4L	----
TIGD T4BRH	----
TIGD T4RH	----
TIGD T4BH	PDRD(3)
TIGD T4H	GRAC, TMCC
TIGD T5BRL	----
TIGD T5RL	----
TIGD T5BL	----
TIGD T5L	GRAJ, UBCA
TIGD T5BRH	----
TIGD T5RH	----
TIGD T5BH	IRCH, PDRD, UBCD
TIGD T5H	DAPJ, GRAC, TMCD
TIGE TS1L	----
TIGE TS2L	RACA, TMCC, UBCA, UBCB
TIGE TS3L	TMCC, UBCB
TIGE TS4L	UBCA, UBCC
TIGE TS5L	TMCD, TMCE

SOURCEDESTINATION

TMCA	SEGTFI	TMCA
TMCA	CLRCONFL	----
TMCA	CONF (0) H	TMCA, TMCB
TMCA	CONF (1) H	RACK, TMCB (2), UBCF
TMCA	INHBELOWPIR4L	TMCB
TMCA	BLOCKBR4L	TMCB
TMCA	HONORPIR4L	TMCB (2)
TMCA	HONORBR5L	TMCB, UBCD (2)
TMCA	HONORPIR5L	TMCB (2)
TMCA	INHBELOWBR6L	TMCB
TMCA	HONORBR6L	TMCB, UBCD (2)
TMCA	HONORPIR6L	TMCB (2)
TMCA	HONORBR7L	TMCB, UBCD (2)
TMCA	ABOVEBR7L	TMCB
TMCA	BLOCKLEV7L	----
TMCA	HONORPIR7L	TMCB (2)
TMCA	SEG+CONL	TMCB
TMCA	HONORFPTRAPL	TMCB (4)
TMCA	HONORPWRFL	TMCB (2), TMCC, UBCC, UBCE
TMCA	HONORSLYH	TMCB (2), TMCC
TMCA	HONORSEGTH	TMCB
TMCA	SEGACKNL	----
TMCB	CLRINTRFL	UBCC
TMCB	TOKL	DAPE, TMCB
TMCB	FPTRAPL	DAPE
TMCB	BRQ*- (T+CONF) L	RACK
TMCB	BRQTRUHL	RACE, RACH, TMCB
TMCB	HONORTL	TMCB
TMCB	BRQTRUEL	RACH, RACK, TMCB
TMCB	PF (0) * (SF+-TF) H	RACK
TMCB	PF (0) * (SF+TF) H	RACK
TMCB	FPACKNL	----
TMCB	HONORFPTRAPH	----
TMCB	HONORPWRFH	TMCC
TMCB	HONORPIR1L	TMCB (2)
TMCB	HONORPIR2L	TMCB (2)
TMCB	HONORPIR3L	TMCB (2)
TMCB	HONORPIR4L	TMCB, UBCD (2)
TMCB	PIRQL	DAPE, UBCC
TMCB	TRAPINHL	IRCD, TMCB
TMCB	PWRFL	DAPE
TMCB	SEGTL	DAPE, TMCB
TMCB	BLOCKLEV2L	TMCB
TMCB	BLOCKLEV3L	TMCB
TMCB	BLOCKLEV5L	TMCA
TMCB	BLOCKLEV6L	TMCA
TMCB	BLOCKLEV7L	----

SOURCE

DESTINATION

TMCC	TS2CLKH	TMCC, TMCE
TMCC	TS3CLKAH	TMCC (3), TMCE, TCMF (2)
TMCC	TS3CLKH	TMCB, TCMF
TMCC	BCTØ1BL	TMCE, TCMF
TMCC	KERNALR6 (Ø) H	TMCC
TMCC	KERNALR6 (1) H	TMCC, TMCD (3)
TMCC	SERF (Ø) H	TMCB
TMCC	SERF (1) H	TMCB, TMCC, TMCD (2)
TMCC	SERFMATH	----
TMCC	STROBEINHL	TMCE
TMCC	BLOCKSTROBE (1) H	TMCB, TMCD
TMCC	ABORTCLRL	TMCC, TCMF
TMCC	ABORTH	RACA, TIGA, UBCA
TMCC	BUSERRORL	TMCC (2), TMCE
TMCC	+3VH	TMCC (5)
TMCC	CLKFLAGSH	TMCC
TMCC	FREECLK (Ø) H	----
TMCC	FREECLK (1) H	UBCD (2)
TMCC	ACCLEARL	UBCE
TMCC	AERF (Ø) H	TMCB
TMCC	AERF (1) H	TMCB
TMCC	AERFMATH	----
TMCC	PRIORITYCLRL	TMCA
TMCC	INIT+ACKNL	TCMF
TMCC	SEGABORTED (1) H	TMCB
TMCC	ODDADRSEERRL	TMCC, UBCB
TMCD	BAMXØ5BH	TMCD (2)
TMCD	YELZONEH	TMCD
TMCD	SLREDL	TMCC (3), TMCE, UBCB
TMCD	GETOFFL	----
TMCD	SWADRSBL	PDRH
TMCD	SWADRSL	TMCD, TCMF
TMCD	INTERNALADRSH	TMCD (2), UBCC
TMCD	SLYEL (1) H	TMCA
TMCD	+3VH	TMCB, TMCD (2), TMCE, TCMF
TMCD	LOBYTEENH	PDRE
TMCD	HIBYTEENH	PDRE
TMCD	PIRADRSH	PDRD
TMCD	PBADRSB	PDRD
TMCD	PSADRSH	PDRD (2), UBCC
TMCD	SLADRSH	PDRD
TMCD	CLKLRH	PDRB
TMCD	DMXS1H	PDRE
TMCD	DMXSØH	PDRE
TMCE	SETCONFL	----
TMCE	MSCØ2BL	TMCE
TMCE	BUSTH	TMCC, UBCB

<u>SOURCE</u>		<u>DESTINATION</u>
TMCE	MSCØ1BL	TMCE
TMCE	FLOATINGATTNH	UBCD
TMCE	BUSTOUTL	UBCA
TMCE	BUSTH	UBCA
TMCE	BENDERRL	UBCA
TMCE	SETPRIORITYH	PDRD
TMCE	BENDCLRL	UBCA, UBCB
TMCE	BENDH	----
TMCE	BRQCLKH	TMCA (2), TMCB
TMCE	CLKCONFH	TMCA, TMCC
TMCE	BRQSTROBEH	----
TMCE	PAUSESBL	UBCB (2), UBCC
TMCE	PAUSES L	TMCA, TMCC, TMCD, TMCF
TMCE	PAUSES BH	UBCA (2), UBCB
TMCE	INTRCLRL	UBCB, UBCF (2)
TMCE	PAUSESH	TMCA, TMCC (2), TMCE
TMCE	INTRPAUSEH	UBCD
TMCE	INTRPAUSE L	TMCB, TMCF
TMCE	BUSLONGPAUSEH	UBCA, UBCB
TMCE	+3VH	----
TMCE	BSOP2H	UBCB
TMCE	DATOBUSOPH	----
TMCE	CØH	UBCC
TMCE	C1H	TMCD, UBCB, UBCC
TMCE	BSCØØBL	----
TMCE	BSCØ2BL	----
TMCE	KERNELDATIL	PDRD (3)
TMCE	FCH	DAPD
TMCF	IBSØØBL	TMCF (2)
TMCF	IBSØ1BL	TMCF (2)
TMCF	READSWL	PDRH
TMCF	FPREADL	TMCF
TMCF	GETOFFH	TMCD
TMCF	FASTL	TIGA (2), UBCB (2)
TMCF	MEMH	PDRA
TMCF	SELMEML	----
TMCF	SELINTL	PDRA
TMCF	DDCATTN (1) H	UBCF
TMCF	INDADRSERRH	----
TMCF	INDRUNH	----
UBCA	SSYNRESTARTH	TIGA
UBCA	INTRRESTART (CLOCK)	TIGA
UBCA	PASSIVE (Ø) H	UBCD
UBCA	+3VH	UBCA (3), UBCB (7), UBCC (6)
UBCA	BUSTOUTBH	UBCE
UBCA	SACKBH	UBCD

<u>SOURCE</u>		<u>DESTINATION</u>
UBCA	BBSYMATH	----
UBCA	BBSYL	UBCA
UBCA	UNIBUSRELEASEH	----
UBCA	DSACKL	UBCD (2)
UBCA	DSACKH	UBCD
UBCA	TS2CLKH	UBCB (2), UBCD
UBCA	CONTROLOKH	----
UBCA	CONTROLOKMATH	----
UBCA	TS4CLKH	UBCB, UBCC, UBCF
UBCA	GETBUS (1) H	UBCA (2)
UBCA	BLPDESKEWH	TIGA, UBCA
UBCA	CPBSYBH	SJBB, TMCD (2), UBCC
UBCA	DESKEWADRSH	UBCB
UBCA	CPBSY (Ø) H	----
UBCA	CPBSY (1) H	SJBA (16), UBCC
BUSA	BBSYL	----
UBCB	PEABORTL PE ABORT L	RACA, TMCC
UBCB	BUSTBL	UBCA
UBCB	BUSTMATH	----
UBCB	CLRDESKEWL	----
UBCB	CLRUNIH	UBCA (2)
UBCB	NOTUNIH	----
UBCB	FASTH	IRCB
UBCB	DESKEWCOMPH	UBCA
UBCB	DESKEWA	UBCB
UBCB	DESKEWB	UBCB
UBCB	DESKEWC	UBCB
UBCB	DESKEWD	UBCB
UBCB	DESKEWE	UBCB
UBCB	BUSLOADL	----
UBCB	BUSLOADH	IRCA, RACJ, UBCB

SOURCEDESTINATION

UBCC	MEMBUSC1L	----
UBCC	MEMBUSCØL	----
BUS	AC1L	----
BUS	ACØL	----
UBCC	CLKSSYNH	PDRC(2), PDRD(3)
UBCC	INTRBL	UBCA, UBCC
UBCC	INTRBH	----
UBCC	INTRF(1)H	----
UBCC	C1BL	UBCB
UBCC	CØBL	----
UBCC	CØBH	----
UBCC	(PWRF+INTR)L	----
BUSA	SSYNL	----
UBCC	C1BH	UBCC
UBCC	DATIL	TMCC
UBCC	DATIPL	UBCA(2), UBCD
UBCC	DATOL	UBCC(2)
UBCC	DATOBL	UBCC(2)
UBCC	DATOMSYNCLRH	UBCB
UBCC	SSYN*C1L	UBCA
UBCC	SSYNBL	UBCA, UBCB(2)
UBCC	SSYNBH	UBCA, UBCB
UBCC	SSYNMATH	----
UBCC	LOBYTEH	PDRC, PDRD
UBCC	CCDATA(1)H	IRCH(2)
UBCC	HIBYTEH	PDRC, PDRD(2)
UBCD	+3VH	UBCD(5)
UBCD	LONGSACKL	UBCA
UBCD	EXTBRQH	TIGA
UBCD	EXTBRQL	TMCB
UBCD	NOSACK(1)L	UBCD
UBCD	SERVICEBR(Ø)H	UBCD
UBCD	NPR(1)H	UBCA
UBCD	NPRRQL	UBCD
UBCD	GRANTCLKL	UBCD
UBCD	GRANTBRH	UBCA
UBCD	GRANTL	UBCD(3)
UBCD	GRANTCLRL	UBCD
UBCD	NPG(Ø)H	UBCD
UBCD	PROCNPGH	----
UBCD	NPG(1)H	UBCA
UBCD	FP ATTN H	----
UBCD	FP ATTN L	----
UBCD	GRANT BR(Ø)H	UBCA
UBCD	PROC BG4 H	----
UBCD	PROC BG5 H	----
UBCD	PROC BG6 H	----
UBCD	PROC BG7 H	----

SOURCEDESTINATION

UBCE +3V 1+	UBCE(5)
UBCE ACLO BL	UBCD
UBCE ALLOW UP(1)H	UBCD
UBCE PF CLR(1)L	TMCA
UBCE FP CLR(1)H	UBCE(2)
UBCE PDNF(1)H	TMCA, UBCE
UBCE PUPF(1)H	TMCB, UBCE
UBCE DCLO BL	TMCA, UBCE, UBCF
BUSA DC LO L	UBCE
UBCE DC LO BH	UBCE(3)
UBCE STATUS CLR L	PDRD
UBCE START INIT L	TMCA
UBCE INIT H	IRCH, TMCD, UBCB
UBCE ROM INIT H	RACA(2), RACC, TIGA
BUSA INIT L	----
UBCE INIT L	GRAJ, TMCB, TMCC(3), TCMF, PDRD,
	PDRB, UBCA, UBCB(3), UBCB(5),
	UBCF(2), UBCH
	PDRD, PDRD, TMCA
	RACK

	UBCE(2), UBCF
	TMCF, UBCF

	UBCF

	UBCH
	RACK
	UBCH(3)
	TMCA

	UBCH(2)
	UBCH(2)
	UBCF(2)

	UBCH(2)
	UBCH

	UBCH
	UBCH
	UBCF(2)
	UBCD

	TMCA

<u>SOURCE</u>	<u>DESTINATION</u>
UBCF DDC ATTN L	----
UBCF CNSL RESET L	TMCE, UBCE
UBCF CNSL ACT (0)H	GRAB(2), TIGB, TMCC(2)
UBCF CNSL ACT (1)H	GRAC(2), RACK, TMCF
UBCH STEP DEPOSIT 2L	----
UBCH MICRO AD0H	----
UBCH MICRO AD1H	----
UBCH MICRO AD2H	----
UBCH CNSL00 H	RACK
UBCH CNSL01 H	RACK
UBCH CNSL02 H	RACK
UBCH STRB FTN H	TMCA
UBCH EXAM+STEP EXAM H	UBCH
UBCH STEP DEP L	----
UBCH DEP L	----
UBCH STEP DEP+DEP H	UBCH
UBCH STEP DEP+DEP L	UBCH
UBCJ IND PAUSE H	----
UBCJ IND MASTER H	----
UBCJ HALT SW H	TIGB, UBCE, UBCF(2)
UBCJ DEP SW H	UBCF
UBCJ DISP ADRS SEL2 H	----
UBCJ REG DEP SW H	UBCF
UBCJ EXAM SW H	UBCF
UBCJ REG EXAM SW H	UBCF
UBCJ START SW H	UBCF
UBCJ LOAD ADRS SW H	UBCF
UBCJ SINGLE CYCLE SW H	TIGB, UBCF
UBCJ CONT SW H	UBCF
UBCJ PNL LOCK H	----
UBCJ DISP ADRS SEL1H	MEMORY
UBCJ DISP ADRS SEL0H	MANAGEMENT

SOURCE

DAPA BR00H
 DAPA BR01H
 DAPA BR02H
 DAPA BR03H
 DAPA BR04H
 DAPA BR05H
 DAPA BR06H
 DAPA BR07H
 DAPA BR08H
 DABA BR09H
 DAPA BR10H
 DAPA BR11H
 DAPA BR12H
 DAPA BR13H
 DAPA BR14H
 DAPA BR14L
 DAPA BR15H

DAPB AMX00H
 DAPB AMX01H
 DAPB AMX02H
 DAPB AMX03H
 DAPB AMX04H
 DAPB AMX05H
 DAPB BAMX00H
 DAPB BAMX01H
 DAPB BAMX02H
 DAPB BAMX03H
 DAPB BAMX04H
 DAPB BAMX05H
 DAPB BAMXS0L
 DAPB BAMXS1L
 DAPB BMX00H
 DAPB BMX01H
 DAPB BMX02H
 DAPB BMX03H
 DAPB BMX04H
 DAPB BMX05H
 DAPC AMX06H
 DAPC AMX07H
 DAPC AMX08H
 DAPC AMX09H
 DAPC AMX10H
 DAPC AMX11H
 DAPC BAMX06H
 DAPC BAMX07H
 DAPC BAMX08H
 DAPC BAMX09H

DESTINATION

DAPB DAPE IRCF IRCH
 DAPB DAPE IRCE IRCH
 DAPB DAPE IRCF IRCH
 DAPB DAPE IRCF IRCH
 DAPB DAPE
 DAPB DAPE
 DAPC DAPE
 DAPC DAPD DAPE
 DAPC
 DAPC
 DAPC
 DAPC
 DAPD
 DAPD
 DAPD
 RACK
 DAPD

DAPF GRAA IRCE
 DAPF
 DAPF
 DAPF
 DAPF
 DAPF
 ADME SCCA SSRH TMCC
 ADME SAPH SCCA
 ADME SAPH SCCA
 ADME SAPH SCCA
 ADME SAPH SCCA SSRH
 ADME SAPH SCCA SSRH
 DAPC DAPD
 DAPC DAPD
 DAPF
 DAPF
 DAPF
 DAPF
 DAPF
 DAPF
 DAPF
 DAPF IRCE
 DAPH
 DAPH
 DAPH
 DAPH
 SAPH SCCA SSRH TMCD
 SAPH SCCA SSRH TMCD
 PDRC SAPH SCCA SSRH
 PDRC SAPH SCCA SSRH

SOURCE

DAPC BAMX10H
 DAPC BAMX11H
 DAPC BMX06H
 DAPC BMX07H
 DAPC BMX08H
 DAPC BMX09H
 DAPC BMX10H
 DAPC BMX11H

DAPD AMX12H
 DAPD AMX13H
 DAPD AMX14H
 DAPD AMX15H
 DAPD BAMX12H
 DAPD BAMX13H
 DAPD BAMX14H
 DAPD BAMX15H
 DAPD BMX12H
 DAPD BMX13H
 DAPD BMX14H
 DAPD BMX15H
 DAPD BMXS0 HIB L
 DAPD BMXS1 HIB L
 DAPD K0EX H
 DAPD K0MX00 BL
 DAPD K0MX00 H
 DAPD K0MX01 BL
 DAPD K0MX01 H
 DAPD K0MX02 BL
 DAPD K0MX02 H
 DAPD K0MX03 BL
 DAPD K0MX03 H
 DAPD EXMEM FLAG H

DAPE K1MX01 H
 DAPE K1MX02 H
 DAPE K1MX03 H
 DAPE K1MX04 H
 DAPE K1MX05 H
 DAPE K1MX06 H
 DAPE K1MX07 H
 DAPE K1EX H
 DAPE SV02 H
 DAPE SV03 H
 DAPE SV04 H
 DAPE SV05 H
 DAPE SV06 H
 DAPE SV07 H
 DAPE TV01 H
 DAPE TV02 H
 DAPE TV03 H

DESTINATION

PDRC SAPH SCCA SSRH
 PDRC SAPH SCCA SSRH
 DAPF
 DAPF IRCE
 DAPH
 DAPH
 DAPH
 DAPH

DAPH
 DAPH
 DAPH
 DAPH DAPJ IRCE
 PDRC SAPH SCCA SSRH
 DAPD PDRC SAPH SAPK(2)
 DAPD PDRC SAPH SAPK(2)
 DAPD PDRC SAPH SAPK(2)
 DAPH
 DAPH
 DAPH
 DAPH IRCE
 DAPC DAPD
 DAPC DAPD
 DAPC(2) DAPD(2)
 SSRF
 DAPB
 SSRF
 DAPB
 SSRF
 DAPB
 SSRF
 DAPB
 SSRF
 DAPB

DAPB
 DAPB
 DAPB
 DAPB
 DAPB
 DAPB DAPC
 DAPC
 DAPC(3) DAPD(2)
 DAPE
 DAPE
 DAPE
 DAPE
 DAPE
 DAPE (2)
 DAPE
 DAPE
 DAPE

SOURCE

DAPE TVØ4 H
 DAPE TVØ6 H
 DAPE TVØ5*TVØ7

DAPF COUTØ3 L
 DAPF ALUØØ H
 DAPF ALUØ1 H
 DAPF ALUØ2 H
 DAPF ALUØ3 H
 DAPF SHRØØ H
 DAPF SHRØ1 H
 DAPF SHRØ2 H
 DAPF SHRØ3 H
 DAPF LM H
 DAPF LSØ H
 DAPF LS1 H
 DAPF LS2 H
 DAPF LS3 H
 DAPF A=B (7:Ø) H
 DAPF A=B (15:Ø) L
 DAPF PCBØØ H
 DAPF PCBØ1 H
 DAPF PCBØ2 H
 DAPF PCBØ3 H
 DAPF PCBØ4 H
 DAPF PCBØ5 H
 DAPF COUTØ7 L
 DAPF ALUØ4 H
 DAPF ALUØ5 H
 DAPF ALUØ6 H
 DAPF ALUØ7 H
 DAPF SHFRØ4 H
 DAPF SHFRØ5 H
 DAPF SHFRØ6 H
 DAPF SHFRSØ H
 DAPF SHFRS1 H
 DAPF SHFRSØ BH
 DAPF SHFRS1 BH

DAPH COUT 11L
 DAPH HSØ H
 DAPH HS1 H
 DAPH HS2 H
 DAPH HS3 H
 DAPH ALUØ8 H
 DAPH ALUØ9 H
 DAPH ALU1Ø H
 DAPH ALU11 H
 DAPH SHFRØ8 H
 DAPH SHFRØ9 H

DESTINATION

DAPE
 DAPE
 DAPE (2)

DAPF
 DAPH GRAH
 DAPH
 DAPH
 DAPH
 GRAB GRAD PDRA PDRF
 GRAB GRAD PDRA PDRF
 GRAB GRAD PDRA PDRF
 GRAB GRAD PDRA PDRF
 DAPF
 DAPF
 DAPF
 DAPF
 IRCF
 IRCF
 DAPB DAPF
 DAPB DAPF
 DAPB DAPF
 DAPB DAPF
 DAPB DAPF
 DAPB DAPF
 DAPH DAPJ
 DAPF (2) DAPH
 DAPF DAPH
 DAPH (2)
 DAPH DAPJ (3)
 GRAB GRAE PDRA PDRF
 GRAB GRAE PDRA PDRF
 GRAB GRAE PDRA PDRF
 DAPH
 DAPH
 DAPJ
 DAPJ

DAPH
 DAPH
 DAPH
 DAPH
 DAPH
 DAPF DAPJ
 DAPF
 DAPF
 DAPF
 GRAB GRAF PDRA PDRF
 GRAB GRAF PDRA PDRF

SOURCE

DAPH SHFR10H
 DAPH SHFR11H
 DAPH HM H
 DAPH PCB06H
 DAPH PCB07H
 DAPH PCB08H
 DAPH PCB09H
 DAPH PCB10H
 DAPH PCB11H
 BUS A=B(15:8)H
 DAPH COUT15L
 DAPH COUT15H
 DAPH ALU12H
 DAPH ALU13H
 DAPH ALU14H
 DAPH ALU15H
 DAPH SHFR12H
 DAPH SHFR13H
 DAPH SHFR14H
 DAPH PCB12H
 DAPH PCB13H
 DAPH PCB14H
 DAPH PCB15H

DAPJ SHFR07H
 DAPJ SHFRA07H
 DAPJ SHFR15H
 DAPJ SHFRA15H
 DAPJ PCB+RTSHF15H
 DAPJ PCB+RTSHF07H
 DAPJ AMX SIGN H
 DAPJ ALU SIGN H
 DAPJ A=B(15:8)+BYTE H
 DAPJ ALUCN L
 DAPJ LEFT DATA H
 DAPJ CLK PCA H
 DAPJ CLK PCB H

GRAA ROMM H
 GRAA ROMC H
 GRAA ROMSHFS1H
 GRAA ROMSHFS0H
 GRAA ROMS0L
 GRAA ROMS0H
 GRAA ROMS1H
 GRAA ROMS2H
 GRAA ROMS3H
 GRAA UALU0L
 GRAA CINL
 GRAA MODE H

DESTINATION

GRAB GRAF PDRA PDRF
 GRAB GRAF PDRA PDRF
 DAPH
 DAPC DAPF
 DAPC DAPJ
 DAPC DAPH
 DAPC DAPH
 DAPC DAPH
 DAPC DAPH

 DAPJ
 DAPJ
 DAPF DAPH
 DAPF
 DAPF
 DAPJ (3)
 GRAB GRAH PDRA PDRF
 GRAB GRAH PDRA PDRF
 GRAB GRAH PDRA PDRF
 DAPD DAPH
 DAPD DAPH
 DAPD DAPH
 DAPD DAPH

GRAB GRAE PDRA PDRF
 IRCE IRCF
 GRAB GRAH PDRA PDRF
 IRCF
 DAPJ
 DAPJ
 IRCE
 IRCE
 IRCF
 IRCF
 GRAB GRAD
 DAPF DAPH(2)
 DAPF DAPH(2)

 GRAA

 IRCC
 GRAA
 GRAA

SOURCE

GRAA AMXØ*ASHL
 GRAA OB SWAP L
 GRAA WORD+OB SWAP L
 GRAA WORD+OB SWAP H
 GRAA SWAP L
 GRAA SGNEX MOV B L
 GRAA ALU INSDEP L
 GRAA OB SWAP H
 GRAA CDEP L
 GRAA ALUM L
 GRAA ALUC H
 GRAA SHFRSLL
 GRAA SHFRSØL
 GRAA ALUS3L
 GRAA ALUS2L
 GRAA ALUS1L
 GRAA ALUSØL
 GRAB LEFT SAVE(1)H
 GRAB LEFT SAVE(Ø)H
 GRAB OBD(1)H
 GRAB OBD(Ø)H
 GRAB SRC SET1L
 GRAB DST SET1L
 GRAB Z DATA2L

GRAC PADØØL
 GRAC PLUS1L
 GRAC GRAD ENL
 GRAC DMØ(MFP+MTP)COND H
 GRAC GDA2H
 GRAC GDA1H
 GRAC GSA2H
 GRAC GSA1H
 GRAC ACT*IRØ3L
 GRAC GD6L
 GRAC GDAØH
 GRAC GDREG SET1H
 GRAC GSAØH
 GRAC GSREG SET1H
 GRAC SRMX SEL L
 GRAC DRMX SEL L
 GRAC GRWE HIBL
 GRAC GRWE LOBL
 GRAC DATE T6H
 GRAC T6L
 GRAC GRAØL
 GRAC GRA1L
 GRAC GRA2L
 GRAC GRA3L

DESTINATION

IRCF
 GRAA IRCE
 GRAB IRCE IRCF
 IRCE IRCF
 GRAA
 DAPD
 GRAJ(2)
 GRAB

 DAPF DAPH
 DAPF
 DAPF(2)
 DAPF(2)
 DAPF DAPH
 DAPF DAPH
 DAPF DAPH
 DAPF DAPH
 GRAJ(2)
 GRAJ
 GRAA IRCB
 RACK
 GRAC
 GRAC
 IRCF

GRAC
 GRAC
 GRAC
 GRAC
 GRAC GRAD GRAE GRAF GRAH
 GRAC GRAD GRAE GRAF GRAH
 GRAC GRAD(2) GRAE(2) GRAF GRAH
 GRAC GRAD(2) GRAE(2) GRAF GRAH
 IRCC
~~IRCC~~
 GRAD(2) GRAE(2) GRAF GRAH
 GRAC GRAD(2) GRAE(2) GRAF GRAH
 GRAC GRAD(2) GRAE(2) GRAF GRAH
 GRAD(2) GRAE(2) GRAF GRAH
 GRAD(2) GRAE(2) GRAF GRAH
 GRAD(2) GRAE(2) GRAF GRAH
 GRAF(2) GRAH(2)
 GRAD(2) GRAE
 IRCH
 GRAC ~~IRCC~~
 SSRF
 SSRF
 SSRF
 TMCC SSRF

SOURCE

DESTINATION

GRAD GS00L	----
GRAD GS01L	GRAE
GRAD GS02L	GRAE
GRAD GS03L	GRAE
GRAD DRM00H	----
GRAD SR00H	DAPB GRAE (2) IRCC
GRAD SR01H	DAPB
GRAD SR02H	DAPB
GRAD SR03H	DAPB
GRAD SR04H	DAPB
GRAD SR05H	DAPB
GRAD CLKS RH	GRAE GRAF GRAH
GRAD DR00H	DAPB GRAJ IRCF RACK (2)
GRAD DR01H	DAPB GRAJ
GRAD DR02H	DAPB GRAJ
GRAD DR03H	DAPB GRAE GRAJ
GRAD CLRDRL	GRAE GRAE GRAH
GRAD CLKDRH	GRAE GRAF GRAH

GRAE SRMX04H	GRAD
GRAE SRMX05H	GRAD
GRAE SRMX06H	GRAF
GRAE SRMX07H	GRAF
GRAE GS04L	GRAE
GRAE GS05L	GRAE
GRAE GS06L	GRAE
GRAE GS07L	GRAE
GRAE SR LEQ ZERO H	GRAJ
GRAE SR EQ ONE L	RACK
GRAE DR04H	DAPB GRAD GRAJ
GRAE DR05H	DAPB GRAJ
GRAE DR06H	DAPC
GRAE DR07H	DAPC GRAF
GRAF GS08L	GRAE
GRAF GS09L	GRAE
GRAF GS10L	GRAE
GRAF GS11L	GRAE
GRAF DR08H	DAPC GRAE
GRAF DR09H	DAPC
GRAF DR10H	DAPC
GRAF DR11H	DAPC GRAH
GRAF SR06H	DAPC
GRAF SR07H	DAPC DAPD
GRAF SR08H	DAPC
GRAF SR09H	DAPC
GRAF SR10H	DAPC
GRAF SR11H	DAPC

SOURCE

GRAH GS12L
 GRAH GS13L
 GRAH GS14L
 GRAH GS15L
 GRAH DR12H
 GRAH DR13H
 GRAH DR14H
 GRAH DR15H
 GRAH DR15L
 GRAH SR12H
 GRAH SR13H
 GRAH SR14H
 GRAH SR15H
 GRAH SR15L

GRAJ LDSC L
 GRAJ TP (3:5) H
 GRAJ SCØ4H
 GRAJ SCØ3H
 GRAJ SCØ2H
 GRAJ SCØ1H
 GRAJ SCØØH
 GRAJ SCØ5L
 GRAJ SC=ØL
 GRAJ DIV SUB L
 GRAJ DIV QUIT L
 GRAJ SHFR DATA H

IRCA IRØØ(1)H
 IRCA IRØØ(Ø)H
 IRCA IRØ1(1)H
 IRCA IRØ1(Ø)H
 IRCA IRØ1B(1)H
 IRCA IRØ2(1)H
 IRCA IRØ2(Ø)H
 IRCA IRØ2B(1)H
 IRCA IRØ3(1)H
 IRCA IRØ3(Ø)H
 IRCA IRØ4(1)H
 IRCA IRØ4(Ø)H
 IRCA IRØ5(1)H
 IRCA IRØ5(Ø)H
 IRCA IRØ6(1)H
 IRCA IRØ6(Ø)H
 IRCA IRØ7(1)H
 IRCA IRØ7(Ø)H
 IRCA IRØ8(1)H
 IRCA IRØ8(Ø)H
 IRCA IRØ8B(1)H
 IRCA IRØ9(1)H

DESTINATION

GRAE
 GRAE
 GRAE
 GRAE
 DAPD GRAF
 DAPD
 DAPD
 DAPD IRCF
 GRAA IRCF
 DAPD
 DAPD
 DAPD
 DAPD GRAJ (2) RACK
 GRAE GRAJ (3)

GRAJ
 GRAD GRAJ

 GRAJ (2) RACK
 RACK (2)
 RACK
 RACK
 DAPJ

IRCC IRCD IRCH(2)
 GRAB GRAC IRCD(2)
 GRAB GRAC IRCC IRCD
 GRAB IRCD
 IRCD(2) IRCH(2)
 GRAB GRAC IRCC IRCD
 GRAB IRCD
 IRCD(2) IRCH(2)
 GRAC IRCC IRCH(2)
 IRCC
 IRCC(2) IRCH
 IRCH
 IRCC
 IRCC
 IRCB IRCH
 GRAB GRAC
 GRAB GRAC(2) IRCB IRCC IRCH
 GRAB SSRB
 GRAB GRAC(2) IRCB IRCH
 GRAB IRCD
 IRCC IRCD(2)
 IRCB IRCC IRCH(2)

SOURCE

IRCA IR09(0)H
 IRCA IR10(1)H
 IRCA IR10(0)H
 IRCA IR11(1)H
 IRCA IR11(0)H
 IRCA IR12(1)H
 IRCA IR12(0)H
 IRCA IR13(1)H
 IRCA IR13(0)H
 IRCA IR14(1)H
 IRCA IR14(0)H
 IRCA IR15(1)H
 IRCA IR15(0)H
 IRCA IR15B(1)H

IRCB IR(8:6)0L
 IRCB IR(8:6)1L
 IRCB IR(8:6)2L
 IRCB IR(8:6)3L
 IRCB IR(8:6)4L
 IRCB IR(8:6)6L
 IRCB SRCF7L
 IRCB IR(14:9)00L
 IRCB IR(14:9)04L
 IRCB IR(14:9)05L
 IRCB IR(14:9)06L
 IRCB IR(14:12)0H
 IRCB IR(14:12)0L
 IRCB IR(14:12)1L
 IRCB IR(14:12)7L
 IRCB IR(14:12)7H
 IRCB PART PCLASS L
 IRCB PCLASS H
 IRCB SWAB H
 IRCB MOVH H
 IRCB ICLASS L
 IRCB KCLASS H
 IRCB FCLASS H
 IRCB FJCLASS L
 IRCB JMP+JSR H
 IRCB (MUL:ASH)+MFP L
 IRCB OBD(ASHB+RORB)L
 IRCB IR(8:6)0+2H
 IRCB B0 RAB00L
 IRCB B0 RAB01L
 IRCB B0 RAB02L
 IRCB B0 RAB04L
 IRCB NEG.BL
 IRCB NEG.BH
 IRCB B0 RAB03L
 IRCB B1 RAB00L

DESTINATION

IRCB
 IRCB(2) IRCC IRCH

 IRCB IRCC IRCH
 IRCB IRCH
 IRCB IRCH(2)
 IRCB IRCH(2)
 IRCB IRCD IRCH(3)
 IRCB IRCD IRCH
 IRCB IRCD IRCH(3)
 IRCB IRCH
 IRCD(3) IRCH SSRB
 IRCB IRCC IRCD
 IRCB(4) IRCC IRCD

IRCB IRCD
 IRCB
 IRCB
 IRCB
 IRCB
 IRCC(2)
 IRCC GRAC
 IRCB(2)
 IRCB(2) IRCC IRCD
 IRCB IRCC IRCD
 IRCC IRCD
 IRCB IRCD(2)

 IRCB IRCC
 IRCB
 IRCB IRCC
 IRCC
 GRAJ TMCE

 GRAA
 GRAC GRAJ

 IRCC(2) IRCD(2) IRCE
 RACK RACL

 GRAA IRCB
 IRCB
 RACL
 RACL
 RACL
 RACL(2)
 GRAA IRCB

 RACL(2)
 RACL

SOURCE

DESTINATION

IRCC DSTF7L
 IRCC FCLASS
 IRCC SRCMØL.
 IRCC SRCM2L
 IRCC SRCM3L
 IRCC SRCM4L
 IRCC SRCM5L
 IRCC SRCM7L
 IRCC IR(11:9)6H
 IRCC OCLASS H
 IRCC CØ RABØØL
 IRCC CØ RABØ1L
 IRCC CØ RABØ2L
 IRCC CØ RABØ3L
 IRCC OCLASS L
 IRCC ROM DEC ENA H
 IRCC DSTM3L
 IRCC DSTM4L
 IRCC DSTM5L
 IRCC DSTM7L
 IRCC DMØ (MFP+MTP) H
 IRCC MFP+MTP H
 IRCC (ROR. B+MUL) H
 IRCC SRCCON 1H
 IRCC SM357H
 IRCC SRCCON 2H
 IRCC IR(5:3)ØH
 IRCC DSTMØL
 IRCC DSTMØH
 IRCC DSTM2L

DAPJ GRAC IRCD
 IRCC IRCD
 IRCD
 IRCC
 IRCC(2)
 IRCC
 IRCC(2)
 IRCC SSRB
 IRCB IRCD
 TMCE
 RACL
 RACL
 RACL
 RACL
 RACK
 IRCB(3)
 IRCD(2)
 IRCD(2)
 IRCD(2)
 IRCD SSRB
 GRAB GRAC
 SSRB(5)
 DAPJ(2)
 DAPD
 RACL RMCC
 DAPD
 IRCC
 GRAA IRCC IRCD RACL
 IRCC RACL
 IRCD(2) SSRB

IRCD DM357H
 IRCD DYIN*(-MOVBL)
 IRCD WDIN H
 IRCD BYINH
 IRCD SBYNH
 IRCD BYINAH
 IRCD DSTCON 1H
 IRCD DSTF67H
 IRCD DSTCON 2H
 IRCD SMØH
 IRCD DSTM24H
 IRCD IR(8:6)ØH
 IRCD DSTCON 4H
 IRCD DSTCON 1ØH
 IRCD EMTL
 IRCD TRAPL
 IRCD OPCODE3L
 IRCD IOTL
 IRCD RTTL
 IRCD DSTF6H

RACK
 GRAC
 IRCC IRCD IRCE(2)
 DAPJ(2)-GRAA TMCC TMCE
 IRCC(2)
 IRCD(3) IRCE
 DAPD

 DAPD
 IRCC
 IRCD
 IRCC
 DAPD
 DAPD
 DAPE
 DAPE
 DAPE
 DAPE
 TMCB
 GRAC(2) IRCD

SOURCE

DESTINATION

IRCE WOB CARRY H
 IRCE LOB CARRY H
 IRCE VEN2L
 IRCE VEN1L
 IRCE EN HIB H
 IRCE EN LOB H
 IRCE EN WORD H
 IRCE V DATA L
 IRCE LOAD FCC L
 IRCE CC BRH
 IRCE PS LOAD L

IRCF
 IRCF
 IRCE

 GRAB
 GRAB
 GRAB
 IRCH
 IRCE IRCF (2)
 IRCE IRCF (2)
 IRCE IRCF (3)

IRCF C DATA L
 IRCF CEN2H
 IRCF CCLD7L
 IRCF CCLD67L
 IRCF CCLD6L
 IRCF CCLØØL
 IRCF CCLØ2L
 IRCF CCLD5L
 IRCF CCINSDEP H
 IRCF CCLD4L
 IRCF CCFP LOAD L
 IRCF CCINSDEPA H
 IRCF MUL+DIVNZVEN H
 IRCF NENIH
 IRCF CHECKZH
 IRCF ZINVH
 IRCF BR=-1 SAVE(1)H
 IRCF BR=-1 SAVE(Ø)H
 IRCF Z1(1)H
 IRCF Z1(Ø)H
 IRCF Z2(1)H
 IRCF Z2(Ø)H
 IRCF N DATA L
 IRCF SETVH
 IRCF Z DATALL

IRCH

 IRCF (2)
 IRCE IRCF
 IRCF (2)
 IRCH
 IRCH
 IRCE (4) IRCF
 IRCE IRCF
 IRCE IRCF
 IRCE
 IRCF
 IRCE IRCF
 IRCE IRCF
 GRAB
 IRCF
 IRCF

 IRCH
 IRCH
 RACH
 GRAB IRCH
 IRCH
 IRCE
 IRCF

IRCH CCCLRH
 IRCH SETCCH
 IRCH CLKINHL
 IRCH SUEL
 IRCH N(1)H
 IRCH N(Ø)H
 IRCH MAT NH
 IRCH NB(1)H
 IRCH BINL
 IRCH SWABL
 IRCH Z SET L
 IRCH Z(1)H

IRCF
 IRCH
 IRCH

 GRAA GRAJ IRCF RACF (2) RACK
 GRAJ IRCH RACF

 PDRD
 IRCC IRCH
 GRAA (2) IRCE (2) IRCF
 IRCF
 GRAB IRCF (2) PDRD RACF (2)

SOURCE

DESTINATION

IRCH MATZH	----
IRCH Z(Ø)H	----
IRCH ZCLRL	IRCF
IRCH MATVH	----
IRCH V(1)H	IRCE PDRD RACF(2)
IRCH V(Ø)H	RACF
IRCH MODZNH	IRCE IRCF(4)
IRCH ENZNH	IRCF
IRCH CMOD1H	IRCF
IRCH CMODØH	IRCF(2)
IRCH ENC H	IRCF
IRCH VMOD1H.	IRCE(2)
IRCH VMODØH	IRCE
IRCH ENVA	IRCE
IRCH C(1)H	GRAA GRAJ IRCF RACF
IRCH C(Ø)H	GRAA IRCH
IRCH MATCH	----
IRCH CB(1)H	DAPJ PDRD
IRCH SXT H	GRAA
IRCH DIV+ASHC H	GRAA
IRCH R(ROR.B+MUL)H	IRCC
IRCH R(MFP+MTP)H	IRCC
IRCH R(MUL:ASHC+MFP)H	IRCB
IRCH R(KCLASS)H	IRCB
IRCH R(ICLASS)H	DAPJ(2) IRCB
IRCH R(PART PCLASS)H	IRCB
IRCH SUBROMA4H	GRAA
IRCH SUBROMA3H	GRAA
IRCH SUBROMA2H	GRAA
IRCH SUBROM1H	GRAA
IRCH SUBROMØH	GRAA
KNLA PNL LOCK L	KNLC
KNLA PNL LOCK H	KNLB
KNLA SWITCHED GROUND	KNLC
KNLB MMRØ MODE 1H	KNLD
KNLB IND DATA H	----
KNLB MMRØ MODE ØH	KNLD
KNLD DISP ADRS SEL2H	KNLC
KNLD DISP ADRS SEL1H	----
KNLD DISP ADRS SELØH	----
KNLD DISP DATA SELØH	KNLA KNLB
KNLD DISP DATA SEL1H	KNLA KNLB
PDRA BRMXØ3H	DAPA IRCA PDRB RACJ
PDRA DRMXØ2H	DAPA IRCA PDRB RACJ

SOURCE

PDRB BR04AH
PDRB BR05AH
PDRB BR06AH
PDRB BR07AH
PDRB BR08AH
PDRB BR09AH
PDRB BR10AH
PDRB BR11AH
PDRB BR12AH
PDRB BR13AH
PDRB BR14AH
PDRB BR15AH
PDRB LO PAR H
PDRB HI PAR H
PDRB BR00BL
PDRB BR01BL
PDRB BR02BL
PDRB BR03BL
PDRB BR04BL
PDRB BR05BL
PDRB BR06BL
PDRD BR07BL
PDRD BR08BL
PDRD BR09BL
PDRD BR10BL
PDRD BR11BL
PDRD BR12BL
PDRD BR13BL
PDRD BR14BL
PDRD BR15BL

PDRC PB00 (1)H
PDRC PB01 (1)H
PDRC PB02H
PDRC PB03H
PDRC PB04H
PDRC PB05H
PDRC PB06H
PDRC PB07H
PDRC SL00 (1)H
PDRC SL01 (1)H
PDRC SL02H
PDRC SL03H
PDRC SL04H
PDRC SL05H
PDRC SL06H
PDRC SL07H
PDRC STACK LIMIT H
PDRC RED ZONE H
PDRC PB CMP H

DESTINATION

PDRB (2) PDRC PDRD PDRE PDRF
PDRB (2) PDRC PDRD PDRE PDRF
PDRB (2) PDRC PDRD PDRE PDRF
PDRB (2) PDRC PDRD PDRE PDRF
PDRB (2) PDRC PDRD PDRE PDRF
PDRB (2) PDRC PDRD PDRE PDRF
PDRB (2) PDRC PDRD PDRE PDRF
PDRB (2) PDRC PDRD (2) PDRE PDRF
PDRB (2) PDRC PDRD (2) PDRE PDRF
PDRB (2) PDRC PDRD (2) PDRE PDRF
PDRB (2) PDRC PDRD (2) PDRE PDRF
PDRH
PDRH
CDPE IRCH SAPK SCCL
CDPE IRCH SAPK SCCL
CDPE IRCH SAPK SCCL
CDPE IRCH SAPK
CDPE IRCH SAPK
CDPE SAPK SCCL
CDPE SAPK
CDPE SAPK
CDPE SAPK
CDPE SAPK SSRD
CDPE SAPK
CDPE SAPD SSRD
CDPE SAPD SSRD
CDPE SAPD SSRD
CDPE SAPD SSRD

PDRC PDRE
PDRC PDRE
PDRC PDRE
PDRC PDRE
PDRC PDRE
PDRC PDRE
PDRC PDRE
PDRC PDRE
PDRC PDRE
PDRC PDRE
PDRC PDRE
PDRC PDRE
PDRC PDRE
PDRC PDRE
PDRC PDRE
PDRC PDRE
PDRC PDRE
TMCD (2)
TMCD
TIGB (2)

SOURCE

DESTINATION

PDRD KERNEL DATI BH
 PDRD PIR15 (1) H
 PDRD PIR14 (1) H
 PDRD PIR13 (1) H
 PDRD PIR12 (1) H
 PDRD PIA02H
 PDRD PIA01H
 PDRD PIA00H
 PDRD PIR11 (1) H
 PDRD PIR10 (1) H
 PDRD PIR09 (1) H
 PDRD LOAD PS H
 PDRD PS CLK H
 PDRD PRIORITY=0H
 PDRD READ PS H
 PDRD IBS00BL
 PDRD PS15 (1) H
 PDRD PS15 (0) H
 PDRD PS14 (1) H
 PDRD PS14 (0) H
 PDRD PS13 (1) H
 PDRD PS13 (0) H
 PDRD PS12 (1) H
 PDRD PS12 (0) H
 PDRD PS11 (1) H
 PDRD PS11 (0) H
 PDRD PS07 (1) H
 PDRD PS07 (0) H
 PDRD PS06 (1) H
 PDRD PS06 (0) H
 PDRD PS05 (1) H
 PDRD PS05 (0) H
 PDRD PS04 (1) H

PDRD
 PDRE TMCA
 PDRE TMCA
 PDRE TMCA
 PDRE TMCA
 PDRD (2)
 PDRD (2)
 PDRD (2)
 PDRE TMCB
 PDRE TMCB
 PDRE TMCB
 PDRD (2)
 PDRD
 TMCB
 PDRD (2)
 PDRD (3)
 GRAC (2) PDRE
 GRAC SSRB (3)
 GRAB PDRD (2) PDRE
 GRAC SSRB (2) TMCD TMCE TMCC UBCC
 PDRE
 GRAC SSRB
 GRAC PDRE SSRB

 GRAC PDRE
 GRAC
 PDRE TMCB
 PDRD
 PDRE TMCB
 PDRD
 PDRE TMCB
 PDRD
 PDRE TMCB

BUS INTD00L
 BUS INTD01L
 BUS INTD02L
 BUS INTD03L
 BUS INTD04L
 BUS INTD05L
 BUS INTD06L
 BUS INTD07L
 BUS INTD08L
 BUS INTD09L
 BUS INTD10L
 BUS INTD11L
 BUS INTD12L
 BUS INTD13L
 BUS INTD14L
 BUS INTD15L

SOURCE

DESTINATION

PDRE DMXS1L
 PDRE DMXSØL
 PDRE BUS DØØL
 PDRE BUS DØ1L
 PDRE BUS DØ2L
 PDRE BUS DØ3L
 PDRE BUS DØ4L
 PDRE BUS DØ5L
 PDRE BUS DØ6L
 PDRE BUS DØ7L
 PDRE BUS DØ8L
 PDRE BUS DØ9L
 PDRE BUS D1ØL
 PDRE BUS D11L
 PDRE BUS D12L
 PDRE BUS D13L
 PDRE BUS D14L
 PDRE BUS D15L

PDRE
 PDRE

PDRF DISP DØØH
 PDRF DISP DØ1H
 PDRF DISP DØ2H
 PDRF DISP DØ3H
 PDRF DISP DØ4H
 PDRF DISP DØ5H
 PDRF DISP DØ6H
 PDRF DISP DØ7H
 PDRF DISP DØ8H
 PDRF DISP DØ9H
 PDRF DISP D1ØH
 PDRF DISP D11H
 PDRF DISP D12H
 PDRF DISP D13H
 PDRF DISP D14H
 PDRF DISP D15H
 DPRF DISPSØL
 DPRF DISPS1L

PDRH
 PDRH
 PDRH
 PDRH
 PDRH
 PDRH
 PDRH
 PDRH
 PDRH
 PDRH
 PDRH
 PDRH
 PDRH
 PDRH
 PDRH
 PDRH
 PDRH
 PDRF
 PDRF

PDRH IND HI PAR H
 PDRH IND LO PAR H
 PDRH CASHE PERF L
 PDRH DISP DATA SELØH
 PDRH DISP DATA SEL1H

PDRH
 PDRH
 UCB CCBJ (3)
 PDRF
 PDRF

PDRJ DØØH
 PDRJ DØ1H
 PDRJ DØ2H
 PDRJ DØ3H
 PDRJ DØ4H

PDRA
 PDRA
 PDRA
 PDRA
 PDRA

SOURCE

PDRJ D05H
 PDRJ D06H
 PDRJ D07H
 PDRJ D08H
 PDRJ D09H
 PDRJ D10H
 PDRJ D11H
 PDRJ D12H
 PDRJ D13H
 PDRJ D14H
 PDRJ D15H

RACA CLR RBR L
 RACA ZAP L
 RACA CLKA RAR H
 RACA CLK RAR H
 RACA UBRK H
 RACA UBRX H
 RACA USRX01H
 RACA USRX00H
 RACA UDRX01H
 RACA UDRX00H
 RACA USRK H
 RACA UDRK01H
 RACA UDRK00H
 RACA UCCL02H
 RACA UCCL01H
 RACA UCCL00H
 RACA UPCA H
 RACA UPCB01H
 RACA UPCB00H
 RACA USHF01H
 RACA USHF00H
 RACA UIRKA H
 RACA UIRK H

RACB ROM47 H
 RACB ROM46H
 RACB ROM40BL
 RACB ROM40H
 RACB UPWE01H
 RACB UPWE00H
 RACB UPAD02H
 RACB UPAD01H
 RACB UPAD00H
 RACB UBSD01H
 RACB UBSD00H
 RACB UBAX01H
 RACB UBAX00H
 RACB UIBS01H

DESTINATION

PDRA
 PDRA
 PDRA
 PDRA
 PDRA
 PDRA
 PDRA
 PDRA
 PDRA
 PDRA
 PDRA

RACB(2) RACC
 RACC RACD
 RACC
 RACC RACD
 TIGA
 PDRA
 GRAC
 GRAC
 GRAC GRAD(2) GRAE GRAF GRAH
 GRAC GRAD(2) GRAE GRAF GRAH
 GRAD
 GRAD(2)
 GRAD(2)
 IRCF
 IRCF
 IRCF
 DAPJ
 DAPJ(2)
 DAPJ(2)
 GRAA
 GRAA
 RACJ
 IRCA SSRH

 TIGA(2)
 RACB
 GRAC
 DAPJ GRAC(2)
 GRAC(2)
 GRAC(2)
 GRAC(2)
 RACA TMCC TMCD TMCE UECB
 TIGA TMCE
 DAPB
 DAPB TMCC
 IRCE PDRD(4) TMCF

SOURCE

RACB UIBS00H
 RACB CLK RAB(34:28)H
 RACB ROM34 H.
 RACB ROM33 H
 RACB ROM32 H

RACC USHC00H
 RACC USHC00L
 RACC USHC01H
 RACC UBCT02H
 RACC UBCT01H
 RACC UBCT00H
 RACC UMSC02H
 RACC UMSC01H
 RACC RARB01H
 RACC RARB00H
 RACC UMSC00H
 RACC UMSC00L
 RACC RARA06H
 RACC RARA05H
 RACC RARA04H
 RACC UBSC02H
 RACC UBSC01H
 RACC UBSC00H
 RACC UAMX01H
 RACC UAMX00H
 RACC UBMX01H
 RACC RAR07H
 RACC UBMX00H
 RACC UKMX01H
 RACC UKMX00H
 RACC UALU2H
 RACC UALU1H
 RACC UALU0H

RACD ROM15H
 RACD UCFEN L
 RACD UBFEN L
 RACD UAFEN L
 RACD UBEF03H
 RACD UBEF03L
 RACD UBEF02H
 RACD IBEFA01L
 RACD UBEFB00L
 RACD UBEFE01L
 RACD UBEFA00L
 RACD UADR07L
 RACD UADR06L
 RACD UADR05L
 RACD UADR04L

DESTINATION

IRCE PDRD TMCF
 RACC
 RACC
 RACC
 RACC

GRAJ (2)
 GRAJ
 GRAJ (2)
 TMCC TMCE UBCB UBCC UBCF
 TMCC TMCE UECB(2) UBCC UBCF
 TMCC TMCE TMCF UBCB
 RACH TMCE
 RACH TMCE
 RACB RACA
 RACB RACA
 RACH TMCE
 TMCE
 RACD
 RACD
 RACD
 TMCC TMCE
 TMCC TMCE
 TMCC TMCE
 DAPB
 DAPB
 DAPB DAPD (2)
 RACD
 DAPB DAPD (2)
 DAPD (2) DAPE (2)
 DAPC DAPD (2) DAPE (2)
 GRAA (3) IRCH
 GRAA (2) IRCH
 GRAA (3) IRCH

RACC
 RACL
 RACL
 RACL
 RACK
 RACK (3) RACL
 RACK RACL
 RACK (2)
 RACK
 RACK
 RACK (2)
 RACL
 RACL
 RACL
 RACL

SOURCE

DESTINATION

RACD UADRØ3L
 RACD UADRØ2L
 RACD UADRØ1L
 RACD UADRØØL
 RACD RARAØØH
 RACD RARAØ1H
 RACD RARAØ2H
 RACD RARAØ3H
 RACD RARØ7H
 RACD RARØ6H
 RACD RARØ5H
 RACD RARØ4H
 RACD RARØ3H
 RACD RARØ2H
 RACD RARØ1H
 RACD RARØØH

RACL
 RACL
 RACL
 RACL
 RACC
 RACC
 RACC
 RACC
 PDRC PDRF SSRA
 PDRC PDRF SSRA
 PDRC PDRF SSRA
 PDRC PDRF SSRA
 PDRC PDRF SSRA
 PDRC PDRF SSRA
 PDRC PDRF SSRA
 PDRC PDRF SSRA

RACE R CLASS H
 RACE AØRABØØL
 RACE BF2=5L
 RACE (MUL:ASHC+MFP)H
 RACE AØRABØ1L
 RACE BF3=5
 RACE AØRABØ2L
 RACE SMØL
 RACE BIN*SMØH
 RACE BF1=ØL
 RACE JMP+JSR+SWAB H
 RACE AØRABØ3L
 RACE BR INST H
 RACE AØRABØ4L
 RACE BIN L
 RACE BF1=7L
 RACE BF2=4L

RACE RACH
 RACL
 RACH

 RACL
 RACF
 RACL
 RACH(2)
 RACF RACH
 RACE(3) RACF RACH(3)
 RACE RACH
 RACL
 RACE RACH(4)
 RACL(3)
 RACF RACH
 RACF RACH(3)

RACF BFØ1=ØL
 RACF (HALT:OPCODE 7)H
 RACF IR(11:8)ØL
 RACF U CLASS
 RACF (RTS:CCOP)H
 RACF X CLASS H
 RACF A1RABØØL
 RACF A1RABØ1L
 RACF A1RABØ2L
 RACF A1RABØ5L
 RACF A2RABØ3L
 RACF A2RABØ5L
 RACF TRUE 1 H
 RACF TRUE 2 H

RACF
 RACE
 RACF
 RACE

 RACF
 RACL
 RACL
 RACL
 RACL
 RACL
 RACL
 RACH
 RACH

SOURCE

RACH BF2=7L
 RACH A2RABØ2L
 RACH A2RABØ1L
 RACH PSWAB H
 RACH BIN* (-SMØ1)L
 RACH NEG. B*DMØH
 RACH AØRABØ7L
 RACH DMØH
 RACH DMØL
 RACH DF7+BRQH
 RACH DF7L
 RACH AFIR1ØA (1)H
 RACH AFIR1ØA (Ø)H
 RACH AFIRØ9A (1)H
 RACH AFIRØ9A (Ø)H
 RACH T CLASS L
 RACH A2RABØØL
 RACH A1RABØ4L
 RACH BUST H

RACJ CLK AFIR15 (1)H
 RACJ AFIR15 (Ø)H
 RACJ AFIR14 (1)H
 RACJ AFIR14 (Ø)H
 RACJ AFIR13 (1)H
 RACJ AFIR13 (Ø)H
 RACJ AFIR12 (1)H
 RACJ AFIR12 (Ø)H
 RACJ AFIR11 (1)H
 RACJ AFIR11 (Ø)H
 RACJ BUFAFIR11 (1)H
 RACJ AFIR1Ø (1)H
 RACJ AFIR1Ø (Ø)H
 RACJ AFIRØ9 (1)H
 RACJ AFIRØ9 (Ø)H
 RACJ AFIRØ8 (1)H
 RACJ AFIRØ8 (Ø)H
 RACJ BUFAFIRØ8 (1)H
 RACJ AFIRØ7 (1)H
 RACJ AFIRØ7 (Ø)H
 RACJ AFIRØ6 (1)H
 RACJ AFIRØ6 (Ø)H
 RACJ AFIRØ5 (1)H
 RACJ AFIRØ5 (Ø)H
 RACJ AFIRØ4 (1)H
 RACJ AFIRØ4 (Ø)H
 RACJ AFIRØ3 (1)H
 RACJ AFIRØ3 (Ø)H
 RACJ AFIRØ2 (1)H
 RACJ AFIRØ2 (Ø)H
 RACJ AFIRØ1 (1)H

DESTINATION

RACF
 RACL
 RACL
 RACE RACH
 RACF
 RACH
 RACL
 RACE RACF (3) RACH
 RACH (2)
 RACE RACF

 RACF (2) RACH
 RACE (2) RACH (2)
 RACF (2)
 RACE (2) RACF (2)
 RACE
 RACL (2)
 RACL
 CCBB CCBL SSRK TMCC UBCE

RACE RACF (2) RACH
 RACE (2) RACF (3)
 RACE (4)
 RACE (3) RACF
 RACE (4)
 RACE (3) RACF
 RACE (4)
 RACE (3) RACF
 RACE (4) RACF (2) RACH (2)
 RACE (2) RACF RACH (3)
 RACE RACF RACH
 RACE RACF (2) RACH
 RACE (3) RACF RACH (2)
 RACE RACF RACH
 RACE (3) RACF (2)
 RACE (2) RACF RACH
 RACE (2) RACF RACH
 RACE RACH (2)
 RACF RACH
 RACE RACF (4) RACH (3)
 RACE RACF (3) RACH
 RACF (3) RACH (2)
 RACF
 RACE RACF (4) RACH (2)
 RACF (2)
 RACE RACF (2) RACH
 RACF (3)
 RACE RACH
 RACF RACH

 RACF RACH

SOURCE

RACJ AFIRØ1 (Ø)H
RACJ AFIRØØ (1)H
RACJ AFIRØØ (Ø)H

RACK SYNC BRC1Ø(1)H
RACK BRCABØ5L
RACK BRC1ØH
RACK FP REQ H
RACK BRCABØ4L
RACK BRCABØ7L
RACK BRCABØ4L
RACK BRCABØ2L
RACK BRCABØ1L
RACK BRCABØØL
RACK BEF (1:Ø)ØH
RACK BEF (3:2)3H
RACK BEF (1:Ø)1H

RACL RADRØØH
RACL RADRØ1H
RACL RADRØ2H
RACL RADRØ3H
RACL RADRØ4H
RACL RADRØ5H
RACL RADRØ6H
RACL RADRØ7H

TIGA SNGCY H
TIGA ROM INIT BL
TIGA CONT(1)H
TIGA PAUSE H
TIGA MEM SYNC(1)H
TIGA MEM SYNC(Ø)H
TIGA MEM SYNC H
TIGA T4L
TIGA CLK BR H
TIGA CLK BRA H
TIGA PSEUDO T3H
TIGA ROM INITA L
TIGA STOP T1L
TIGA T1MATH
TIGA T2MATH
TIGA T3MATH
TIGA T4MATH
TIGA T5MATH
TIGA TPHMATH

DESTINATION

RACF RACH

RACK(2)
RACL
UBCC
RACH
RACL
RACL
RACL
RACL
RACL
RACK
RACK RACL(2)
RACK(2)

RACC RACD
RACC RACD
RACA RACD
RACA RACD
RACA RACC RACD
RACA RACC RACD
RACA RACC RACD
RACA RACC RACD

SCCJ
TIGE
TIGA
TIGA(3) TIGB

TIGA

DAPA
PDRB PDRH
SCCC(2) SCCD UBCA(2)
TIGA

SOURCE

DESTINATION

TIGB RC L
 TIGB MSEN (Ø),H
 TIGB SOURCE CLOCK L
 TIGB RC EN (Ø)H
 TIGB XTAL EN (Ø)H
 TIGB CONT L
 TIGB ROM+UPB(1)H
 TIGB SINGLE CY L
 TIGB PB SYNCH H
 TIGB XTAL H
 TIGB RC H
 TIGB CLOCK E
 TIGB CLOCK H

 TIGB

 TIGB
 TIGB
 TIGA
 TIGA
 TIGA

 TIGA (2) TIGB (2)
 TIGA (2) TIGB (2)
 TIGC TIGD
 TIGC TIGD

TIGC TPB H
 TIGC TF H
 TIGC TFRH
 TIGC TPB L
 TIGC TF L
 TIGC TFR L
 TIGC TI H

TIGA (3) TIGE
 CCBA CCBC CCBE GRAC IRCH

 TIGA (3) TIGB
 UBCD

 DAPJ GRAB (2) GRAD IRCA SAPD
 SAPK SCCD SSRB
 RACB (2) RACJ RACK UBCA UBCB UECD

TIGC TIBH
 TIGC TIR H
 TIGC TIBRH
 TIGC TIL
 TIGC TIBL
 TIGC TIRL
 TIGC TIBRL
 TIGC T2H
 TIGC T2BH
 TIGC T2RH
 TIGC T2BRH
 TIGC T2L
 TIGC T2BL
 TIGC T2RL
 TIGC T2BRL

 SSRA
 GRAD RACB RACC

 TMCD
 CCBC (2)

 RACA

TIGD T3H
 TIGD T3BH
 TIGD T3L
 TIGD T3DL
 TIGD T4H
 TIGD T4BH
 TIGD T4L
 TIGD T4BL
 TIGD T5H
 TIGD T5BH
 TIGD T5L
 TIGD T5BL

 UBCA CCBC (2)
 GRAD GRAJ PDRJ RACA

 GRAC SAPA TMCC
 PDRD (3)

 DAPJ GRAC TMCD
 IRCH PDRD SSRF
 GRAJ SAPC SAPD

SOURCE

TIGE TS1 L
 TIGE TS2 L
 TIGE TS3 L
 TIGE TS4 L
 TIGE TS5 L

TMCA PAR TRP (1) H
 TMCA BRQ CLR L
 TMCA CONF (1) H
 TMCA CONF (Ø) H
 TMCA SEGTF L
 TMCA ABOVE BR7L
 TMCA INH BELOW BR6L
 TMCA BLOCK BR4L
 TMCA INH BELOW PIR4L
 TMCA PERF ACKN L
 TMCA SEG ACKN L
 TMCA HONOR SEGT H
 TMCA SEG+CON+PAR L
 TMCA HONOR SLY L
 TMCA HONOR SLY H
 TMCA HONOR PWRF L
 TMCA HONOR FPTRAP L
 TMCA HONOR PIR7L
 TMCA HONOR BR7L
 TMCA HONOR PIR6L
 TMCA HONOR BR6L
 TMCA HONOR PIR5L
 TMCA HONOR BR5L
 TMCA HONOR PIR4L

TMCB PSØ4 MATH
 TMCB HONOR T L
 TMCB TOK L
 TMCB FPTRAP L
 TMCB CLR INTRE L
 TMCB PF (Ø)* (SF+TF) H
 TMCB PF (Ø)* (SF+-TF) H
 TMCB FP ACKN L
 TMCB HONOR FPTRAP H
 TMCB HONOR PWRF H
 TMCB BRQ TRUE H
 TMCB BRQ TRUE L
 TMCB BRQ *- (T+CONF) L
 TMCB SEGT L
 TMCB PWRF L
 TMCB TRAP INH L
 TMCB PIRQ L
 TMCB HONOR BR4L

DESTINATION

 RACA SSRK TMCC UBCD
 SSRK TMCC UBCB
 SSRK UBCA (3)
 SSRK TMCD

TMCA TMCB
 TMCB
 RACK TMCA UBCF (2)
 TMCB (2) TMCF UBCF
 TMCA
 TMCB
 TMCB
 TMCB
 TMCB
 TMCB
 CCBJ

 TMCB
 TMCB
 TMCB (2)
 TMCC
 TMCB (4) TMCC UBCE
 TMCB (4)
 TMCB (2) *
 TMCB UBCD (2)
 TMCB (2)
 TMCB UBCD (2)
 TMCB (2)
 TMCB UBCD (2)
 TMCB (2)

 DAPE TMCB
 DAPE
 TMCC UBCC
 RACK
 RACK

 TMCC
 RACE RACH TMCB
 RACH RACK
 RACK
 TMCB
 DAPE
 IRCD
 DAPE TMCB
 TMCB UBCD (2)

SOURCE

DESTINATION

TMCB HONOR PIR3L
 TMCB HONOR PIR2L
 TMCB HONOR PIR1L
 TMCB BLOCK LEV7L
 TMCB BLOCK LEV6L
 TMCB BLOCK LEV5L
 TMCB BLOCK LEV3L
 TMCB BLOCK LEV2L
 TMCB PSØ7 (Ø) H
 TMCB PWRP+INTRF L
 TMCB PART L

TMCB (2)
 TMCB (2)
 TMCB (2)
 TMCA
 TMCB
 TMCA
 TMCB
 TMCB
 TMCA TMCB
 RACK
 UCB

TMCC ODD ADRS ERR L
 TMCC BSCØ13L
 TMCC NEXML
 TMCC TS3 CLKA H
 TMCC TS3 CLK H
 TMCC SERF MAT H
 TMCC SERF (1) H
 TMCC SERF (Ø) H
 TMCC BCTØ2BL
 TMCC TS2 CLK H
 TMCC BUS ERROR L
 TMCC NEXM L
 TMCC ABORT H
 TMCC ABORT CLK L
 TMCC ABORT CLR L
 TMCC BLOCK STROBE (1) H
 TMCC STROBE INH L
 TMCC KERNEL R6 (1) H
 TMCC KERNEL R6 (Ø) H
 TMCC AERF MAT H
 TMCC AERF (1) H
 TMCC AERF (Ø) H
 TMCC SEG ABORTED (1) H
 TMCC INIT+ACKN L
 TMCC PRIORITY CLR L
 TMCC AC CLEAR L

TMCD TMCE
 TMCE

 TMCB TMCD (2) TMCE
 TMCC

 TMCB TMCD
 TMCB
 TMCF
 TMCE

 TMCD TMCE
 RACA TIGA UCB
 TMCD (2)

 TMCB TMCD
 TMCE
 TMCD

 TMCB
 TMCB
 TMCB

 TMCA
 UBCE

TMCD CACHE NEXM H
 TMCD UBUS TIMEOUT H
 TMCD YEL TRAP H
 TMCD CLR ERR REG A L
 TMCD CLR ERR REG B L
 TMCD ILL HALT H
 TMCD SL RED ERR H
 TMCD ODD ADRS H
 TMCD YEL ZONE H
 TMCD HI BYTE EN H
 TMCD LO BYTE EN H

SCCM
 SCCM
 SCCM

 SCCM
 SCCM
 SCCM
 TMCD
 PDRE
 PDRE

SOURCE

DESTINATION

TMCD SL YEL (1) H
 TMCD CIBL
 TMCD DMX SØH
 TMCD DMX S1H
 TMCD SL RED H
 TMCD SL RED L
 TMCD CLK LR H

TMCA TMCD
 TMCD
 PDRE
 PDRE
 TMCD
 TMCC TMCE
 PDRB

TMCE SET PRIORITY H
 TMCE MSCØ1BL
 TMCE FLOATING ATTN H
 TMCE SET HALT H
 TMCE MSCØ2BL
 TMCE ROM BEND L
 TMCE BRQ STROBE H
 TMCE BRQ CLK H
 TMCE CLK CONF H
 TMCE PAUSES BL
 TMCE KT BEND L
 TMCE CACHE BEND H
 TMCE SET CONF L
 TMCE INTR PAUSE H
 TMCE INTR CLR L
 TMCE INTR PAUSE L
 TMCE IND PAUSE H
 TMCE PAUSES L
 TMCE PAUSES BH
 TMCE PAUSES H
 TMCE CONTROL OK H
 TMCE BSCØ2 BL
 TMCE C1H
 TMCE CØH
 TMCE KERNEL DATI L
 TMCE BSCØØ BL
 TMCE FC H

PDRD

 UBCD
 TMCD

 TMCA (2) TMCB
 TMCA TMCC
 UBCB (2)
 SAPK SSRC SSRD
 CCBB CCBC (2)

 UBCD
 UBCF
 TCMF
 TMCB SCCJ
 TMCA TMCC TCMF
 SAPC SSRD SSRK UBCA (2)
 TMCA TMCC TMCD (2)
 CCBC (2)

 SAPK SCCC SSRJ TMCD (3) UBCC
 SAPL UBCC
 PDRD (3)

TMCF SEL INT L
 TMCF SEL MEM L
 TMCF CACHE ADRS H
 TMCF READ SW L
 TMCF IBSØØ BL
 TMCF GET OFF H
 TMCF FP READ L
 TMCF CLK HI PS L
 TMCF CLK LO PS L
 TMCF CLK BP H
 TMCF CLK SL H
 TMCF CLK PIR H
 TMCF IND RUN H
 TMCF IND ADRS ERR H

PDRA
 PDRA
 TIGA (2) TMCE UBCA
 SCCH (2) SCCJ
 TCMF
 SSRJ
 TCMF
 PDRD
 PDRD
 PDRC
 PDRC
 PDRD
 SCCF
 SCCF

SOURCE

UBCA PASSIVE L
 UBCA BBSY MAT H
 UBCA START BUS(1)H
 UBCA TS4 CLK. H
 UBCA UNIBUS ADRS H
 UBCA IND CLK H
 UBCA CP BSY (1)H
 UBCA CP BSY (Ø)H
 UBCA MSYN (1)H
 UBCA MSYN (Ø)H
 UBCA CLR IND (Ø)H
 UBCA CPBSY BH
 BUS BBSY L
 BUS MSYN L
 UBCA MSYN SET H
 UBCA START TIMEOUT L
 UBCB TIMEOUT (Ø)H
 UBCB TIMEOUT BL
 UBCB TIMEOUT BH
 UBCB SSYN L
 UBCB SSYN H
 UBCB SSYN MAT H
 UBCB TS3L
 UBCB TS3 CLK H
 UBCB TS3 CLK AH
 UBCB BCTØØBL
 UBCB ABORT ACKN L
 UBCB TIG RESTART H
 UBCB CP SSYN L
 UBCB ABORT RESTART H
 UBCB ABORT L
 UBCB ABORT L
 UBCB ACKN BH
 UBCB ACKN L
 UBCB ABORT ACKN H
 UBCB PAR ABORT CLR L
 UBCB HI BYTE H
 UBCB LO BYTE H
 UBCB CC DATA (1)H
 UBCB CLR CC DATA L
 UBCB IND PAR ERR H
 UBCB PARITY ERR L
 UBCB PE ABORT L
 UBCB UBUS PAR ERR H

 UBCC INTRF (1)H
 UBCC INTRF (Ø)H
 UBCC INTR BH
 UBCC CIBL
 BUS ClL
 BUS CØL
 BUS SSYN L
 UBCC INTR L
 UBCC DATO L
 UBCC CIBH

DESTINATION

UBCB

 UBCA UBCB UBCC UBCF
 TIGA
 PDRH
 UBCA(2) UBCC
 UBCF
 UBCA(2) UBCB(2) UBCC
 UBCB UBCC
 PDRH
 PDRE SCCE(2) SCCL UBCC

 TMCD(2) TMCF
 UBCB
 UBCA
 TMCC
 TMCD
 UBCA
 UBCA

 UBCA UBCC
 UBCC(2) UBCE(2) UBCH
 UBCB UBCF
 UBCC UBCF
 TMCD UBCB UBCE
 TIGA
 UBCA
 UBCA
 UBCA
 UBCA
 TMCA TMCB(2) TMCC

 SSRC

 SAPK SSRC SSRD TMCF(2)
 SAPK TMCF
 IRCH(2)

 SCCF SCCJ
 DAPE TMCB
 RACA TMCC UBCA
 CCBJ CCBK

 TMCB
 UBCB
 UBCA

 UBCB
 UBCB
 ADMJ UBCA

SOURCE

DESTINATION

UBCC CØBH
 UBCC DATI L
 UBCC DATIP L.
 UBCC START INIT (1)H
 UBCC START INIT (Ø)H
 UBCC RESET WAIT (Ø)H
 UBCC RESET (1)H
 UBCC RESET (Ø)H
 UBCC RIP+FP SYNC H

ADMJ
 TMCC
 UBCA UB CD

 UBCC UB CD

 UBCE
 UBCC UB CD UBCE
 RACK

UBCD EXT BRQ L
 UBCD EXT BRQ H
 UBCD TS2 CLK H
 UBCD SACK H
 UBCD FREE CLK (Ø)H
 UBCD BRQ (1)H
 UBCD NPR (1)H
 UBCD NPR (Ø)H
 UBCD SACK (Ø)H
 UBCD GRANT BR (1)H
 UBCD NPG (1)H
 UBCD NPG (Ø)H
 UBCD PROC NPG H
 UBCD DSACK (1)H
 UBCD DSACK (Ø)H
 UBCD CLR BG (1)H
 UBCD CLR BG (Ø)H
 UBCD ENAB BR H
 UBCD FP ATTN L
 UBCD FP ATTN H
 UBCD PROC BG4H
 UBCD PROC BG5H
 UBCD PROC BG6H
 UBCD PROC BG7H
 UBCD NO SACK (1)H
 UBCD FP SYNC H
 UBCD FP SYNC MAT H

TMCB
 TIGA
 UBCB
 UBCD
 UBCA

 UBCA
 UBCA
 UBCD
 UBCA UB CD

 UBCA (2) UB CD
 UBCA

 UBCD

 UBCD
 UBCC

UBCE ACLO L
 UBCE ACLO H
 UBCE BLOCK DOWN (1)H
 UBCE DCLO B H
 UBCE DCLO B L
 UBCE PUPF (1)H
 UBCE PUPF (Ø)H
 UBCE PF CLR (1)H
 UBCE PF CLR (Ø)H
 UBCE PDNF (1)H
 UBCE PDNF (Ø)H
 UBCE START INIT L

ADMJ (2) UB CD UBCE
 UBCE

 MAPB UBCE
 ADMJ UB CA UBCE (3) UB CF UB CH
 TMCB

 UBCE
 TMCA
 TMCA UBCC

 UBCH

SOURCE

UBCE BUST+DCLO L
 UBCE BUST MAT H
 BUS DCLO L
 UBCE INT BUS INIT L
 BUS INIT L
 UBCE ROM INIT H
 UBCE INIT H
 UBCE INIT L

UBCF START L
 UBCF ACKN T4L
 UBCF EXAM (1)H
 UBCF EXAM (Ø)H
 UBCF REG EXAM (1)H
 UBCF REG EXAM (Ø)H
 UBCF DEPOS (1)H
 UBCF DEPOS (Ø)H
 UBCF REG DEP (1)H
 UBCF REG DEP (Ø)H
 UBCF CNSLØ7 (1)H
 UBCF CNSLØ7 (Ø)H
 UBCF CONT (1)H
 UBCF CONT (Ø)H
 UBCF START (1)H
 UBCF START (Ø)H
 UBCF STATUS CLR L
 UBCF CNSL ACT (1)H
 UBCF CNSL ACT (Ø)H
 UBCF IND MASTER H
 UBCF ACKN LEVEL H
 UBCF STOP L
 UBCF CNSL RESET L
 UBCF DISABLE NPR L

UBCH STEP DEPOSIT 2L
 UBCH MICRO AD2 H
 UBCH MICRO AD1 H
 UBCH STEP EXAM Ø L
 UBCH DEPOSIT+REG DPST L
 UBCH MICRO ADØ H
 UBCH MSB DATA L
 UBCH REG STEP EXM L
 UBCH REG STEP DEP+EXM L
 UBCH REG DEP L
 UBCH REG DEP+REG EXM L
 UBCH CNSLØØH
 UBCH CNSLØ1H
 UBCH CNSLØ2H

DESTINATION

UBCC UBCE

 PDRC PDRD SSRK TMCA

 CCBA RACA (2) RACC TIGA (2)
 CCBA CCBL TMCB TMCD UBCF
 GRAJ IRCH PDRB PDRD TMCC (2)
 TMCD UBCA (5) UBCB (2) UBCD (5)
 UBCE UBCF UBCH

UBCE
 UBCF
 UBCH

 UBCH

 UBCH (2)

 RACK UBCH

 RACK
 UBCH (2)
 SCCK UBCH
 UBCH (2)

 UBCF (3)
 PDRD
 GRAC (2) RACK TMCF
 GRAB (2) SCCJ TIGB TMCC (2)
 SCCF
 UBCF UBCH

 TMCE UBCE
 UBCD

 UBCH

 RACK
 RACK
 RACK

SOURCE

DESTINATION

UBCH REG EXAM+STEP H
UBCH REG EXAM+STEP L
UBCH REG DEP+STEP H
UBCH REG DEP+STEP L
UBCH STEP DEP+DEP L
UBCH STEP DEP+DEP H
UBCH EXAM+STEP EXAM H
UBCH CLR CONF L

UBCH
UBCH(2)
UBCH
UBCH
UBCH
UBCH
TMCA

ADMA TAG Ø A14L
ADMA TAG Ø A15L
ADMA TAG Ø A16L
ADMA TAG Ø A17L
ADMA TAG Ø A18L
ADMA TAG Ø A19L
ADMA TAG Ø A2ØL
ADMA TAG Ø A21L
ADMA AMX AØ2L
ADMA AMX AØ3L
ADMA AMX AØ4L
ADMA AMX AØ5L
ADMA AMX AØ6L
ADMA AMX AØ7L
ADMA AMX AØ8L
ADMA AMX AØ9L
ADMA TAGØ WPL

ADMK (2)
ADMK (2)
ADMK (2)
ADMK (2)
ADMK (2)
ADMK (2)
ADMK (2)
ADMK (2)
ADMB
ADMB
ADMB
ADMB
ADMB
ADMB
ADMB
ADMB
ADMB
ADMA ADMB(2)

ADMB TAGØ A1ØL
ADMB TAGØ A11L
ADMB TAGØ A12L
ADMB TAGØ A13L
ADMB TAGØ PAR BL
ADMB TAGØ PAR AH
ADMB TAGØ VALID H

ADMK (2)
ADMK (2)
ADMK (2)
ADMK (2)
ADMK
ADMK
ADMK (2)

ADMC TAG1 A14L
ADMC TAG1 A15L
ADMC TAG1 A16L
ADMC TAG1 A17L
ADMC TAG1 A18L
ADMC TAG1 A19L
ADMC TAG1 A2ØL
ADMC TAG1 A21L
ADMC AMX AØ2L
ADMC AMX AØ3L
ADMC AMX AØ4L
ADMC AMX AØ5L
ADMC AMX AØ6L
ADMC AMX AØ7L
ADMC AMX AØ8L

ADMK (2)
ADMK (2)
ADMK (2)
ADMK (2)
ADMK (2)
ADMK (2)
ADMK (2)
ADMK (2)
ADMD
ADMD
ADMD
ADMD
ADMD
ADMD
ADMD

SOURCE

ADMC AMX A09L
ADMC TAG1 WPL

ADMD TAG1 A10L
ADMD TAG1 A11L
ADMD TAG1 A12L
ADMD TAG1 A13L
ADMD TAG1 PARB L
ADMD TAG1 PARA L
ADMD TAG1 VALID H

ADME AMX 00H
ADME AMX 01H
ADME AMX 02H
ADME AMX 03H
ADME AMX 04H
ADME AMX 05H
ADME AMX 06H
ADME AMX 07H
ADME AMX 08H
ADME AMX 09H
ADME AMX 10L
ADME AMX 10H
ADME AMX 11L
ADME AMX 11H

ADMF AMX 12L
ADMF AMX 12H
ADMF AMX 13L
ADMF AMX 13H
ADMF AMX 14L
ADMF AMX 14H
ADMF AMX 15L
ADMF AMX 15H
ADMF AMX 16L
ADMF AMX 16H
ADMF AMX 17L
ADMF AMX 17H
ADMF AMX 18L
ADMF AMX 18H
ADMF AMX 19L
ADMF AMX 19H
ADMF AMX 20L
ADMF AMX 20H
ADMF AMX 21L
ADMF AMX 21H
ADMF PARA GEN H
ADMF PARA GEN L
ADMF PARB GEN 1 H

DESTINATION

ADMD
ADMD

ADMK (2)
ADMK (2)
ADMK (2)
ADMK (2)
ADMK
ADMK
ADMK (2)

ADMJ CCBH DTMA
ADMJ CCBH DTMA
ADMA ADMC ADMJ CCBH DTMA ADML
ADMA ADMC ADMJ ADML CCBH DTMA
ADMA ADMC ADMJ ADML CCBH DTMA
ADMA ADMC ADMJ ADML CCBH DTMA
ADMA ADMC ADMJ ADML CCBH DTMA
ADMA ADMC ADMJ ADML CCBH DTMA
ADMA ADMC ADMJ ADML CCBH DTMA
ADMA ADMC ADMJ ADML CCBH DTMA
ADMA ADMC ADMJ ADML CCBH DTMA
ADMK (2)
ADMB ADMD ADMF ADMJ ADML CCBH
ADMK (2)
ADMB ADMD ADMF ADMJ ADML CCBH

ADMK (2)
ADMB ADMD ADMF ADMJ ADMK CCBH
ADMK (2)
ADMB ADMD ADMF ADMJ ADMK CCBH
ADMK (2)
ADMA ADMC ADMF ADMJ ADML CCBH
ADMK (2)
ADMA ADMC ADMF ADML CCBH
ADMK (2)
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ADMA ADMC ADMF ADML CCBH
ADMK (2)
ADMA ADMC ADMF ADML CCBH
ADMK (2)
ADMA ADMC ADMF ADML CCBH
ADMK (2)
ADMA ADMC ADMF ADML CCBH
ADMJ
ADMB ADMD
ADMD

SOURCE

ADMH MBC A00 H
 ADMH MBC A01 H
 ADMH MBC A02 H
 ADMH MBC A03 H
 ADMH MBC A04 H
 ADMH MBC A05 H
 ADMH MBC A06 H
 ADMH MBC A07 H
 ADMH MBC A08 H
 ADMH MBC A09 H
 ADMH MBC A10 H
 ADMH MBC A11 H
 ADMH MBC A12 H
 ADMH MBC A13 H
 ADMH MBC A14 H
 ADMH MBC A15 H
 ADMH MBC A16 H
 ADMH MBC A17 H
 ADMH MBC A18 H
 ADMH MBC A19 H
 ADMH MBC A20 H
 ADMH MBC A21 H
 ADMH MBC A22 H
 ADMH MBC A23 H
 ADMH MBC CX H

DESTINATION

ADME
 ADME
 ADME
 ADME
 ADME
 ADME
 ADME
 ADME
 ADME
 ADME
 ADME
 ADMF
 ADMF
 ADMF
 ADMF
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 ADMF
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 ADMF
 ADMF
 ADMF
 ADMF
 ADMF
 ADMF
 ADMJ

ADMJ READ L
 ADMJ C0 H
 ADMJ PARB GEN 0 H
 ADMJ ADRS COUNT H
 ADMJ DATIP H
 ADMJ DATOB H
 ADMJ ADRS PARITY H
 ADMJ ALLOW WP H
 ADMJ PUP WP L
 ADMJ WPH
 ADMJ BYTE MASK 3H
 ADMJ BYTE MASK 2H
 ADMJ BYTE MASK 1H
 ADMJ BYTE MASK 0H
 ADMJ PUP A03 H
 ADMJ PUP A02 H
 ADMJ PUP A01 H
 ADMJ PUP A00 H
 ADMJ POWER UP(1) H
 ADMJ POWER UP(0) H
 ADMJ PUP A07 H
 ADMJ PUP A06 H
 ADMJ PUP A05 H
 ADMJ PUP A04 H

ADMJ CCB D CDPK DTMB
 CCBH
 ADMB

 CCBC CDPH
 DTMB
 ADML

 DTMB
 ADMA ADMC
 ADML
 ADML
 ADML
 ADML
 ADME
 ADME
 ADME
 ADME
 ADMJ DTMB
 CCBA CCB B CCBM
 ADME
 ADME
 ADME
 ADME

SOURCE

ADMK GROUP 1 PARA OK H
 ADMK GROUP 1 PARB OK H
 ADMK TAG 1 PAR ERR H
 ADMK GROUP 0 A MATCH H
 ADMK GROUP 1 A MATCH H
 ADMK GROUP 0 PARA OK H
 ADMK GROUP 0 PARB OK H
 ADMK TAG 0 PAR ERR H
 ADMK GROUP 0 HIT L
 ADMK GROUP 1 HIT L
 ADMK HIT EITHER L

ADML ADRS ACK H
 ADML ADRS PAR ERR H
 ADML OCC H
 ADML MAIN ACLO H
 ADML MAIN DCLO H

CCBA ARB CLK H
 CCBA SYNC CLK H
 CCBA INIT H
 ADML MAIN ACLO H
 ADML MAIN DCLO H

CCBA ARB CLK H
 CCBA SYNC CLK H
 CCBA INIT H
 CCBA INIT A L
 CCBA INIT B L
 CCBA INIT C L
 CCBA INIT D L

CCBB LOCK (1) H
 CCBB LOCK (0) H
 CCBB PRE UBUS (1) H
 CCBB PRE MBC (1) H
 CCBB CLK MBC ADRS L
 CCBB AMX S0 H
 CCBB AMX S1 H
 CCBB UB CYCLE L
 CCBB UB CYCLE H

CCBB CP CYCLE H
 CCBB CP CYCLE L
 CCBB MBC CYCLE H
 CCBB MBC CYCLE L

DESTINATION

ADMK
 ADMK
 CCBK (2) CCBM
 CCBM
 CCBM
 ADMK
 ADMK
 CCBK(2) CCBM
 CCBC(2) CCBD DTMM
 CCBC(2) CCBD
 CCBC(2)

CCBD CCBE
 CCBK(2)
 CDPD
 UBCE
 UBCE

CCBB(3) CCBC(6) CCBD CCBE(3)
 CCBB(2)
 CDPD
 UBCE
 UBCE

CCBB(3) CCBC(6) CCBD CCBE(3)
 CCBB(2)
 CDPJ CDPK
 CCBB(3) CCBC(3) CCBE(2)
 CCBC(4) CCBD(3)
 CCBD CCBE(2)
 CCBJ(3) CCBK(2) CCBL

CCBB(2) CCBC CCBE
 CCBB(3) CCBC CCBD
 CCBB
 CCBB
 ADMH
 ADME(2) ADMF(2) ADMJ
 ADME(2) ADMF(2) ADMJ
 CCBC
 CCBC(4) CCBD(2) CCBJ CCBK
 CCBH
 CCBC(6) CCBD(2) CCBE CCBJ(2)
 CCBK CDPE
 CCBC CCBD CCBE(4)
 CCBD(2) CCBE CCBK CCBM

SOURCE

CCBC BUST HOLD(1) H
 CCBC BUST HOLD(0) H
 CCBC CONTROL OK(1) H
 CCBC CONTROL OK(0) H
 CCBC T2 DLY(1) H
 CCBC T2 DLY(0) H
 CCBC NON CPY DATIP(1) H
 CCBC NON CPY DATIP(0) H
 CCBC NON UBUS DATIP(1) H
 CCBC NON UBUS DATIP(0) H
 CCBC NON MBC DATIP(1) H
 CCBC NON MBC DATIP(0) H
 CCBC BEND HOLD(1) H
 CCBC BEND HOLD(0) H
 CCBC UB ACKNL
 CCBC UB DONE H
 CCBC DONE(1) H
 CCBC DONE(0) H
 CCBC DONE H
 CCBC MEM SYNC H

CCBD SLOW CYCLE MAT H
 CCBD SLOW CYCLE (1) H
 CCBD SLOW CYCLE L
 CCBD SLOW CYCLE (0) H
 CCBD DMX S1 H
 CCBD READ IN PROG (1) H
 CCBD READ H

CCBD READ L

CCBD START SLOW(1) H
 CCBD START SLOW(0) H
 CCBD START H
 CCBD UB TIME OUT L
 CCBD MBC TIME OUT H
 CCPD CP TIME OUT L
 CCBD TIME OUT (1) H
 CCBD TIME OUT (0) H
 CCBD DONE CLR L

CCBE MBC ADRS ACKN L
 CCBE ADRS ACK (1) H
 CCBE ADRS ACK (0) H
 CCBE T30 (1) H
 CCBE T30 (0) H
 CCBE CP SYNCL
 CCBE MBC REQ ACKN L
 CCBE T60 (1) H
 CCBE T90 H
 CCBE T60 (0) H

DESTINATION

CCBB(2)
 CCBC CCBJ
 CCBC CCBD
 CCBB CCBC(3)
 CCBB CCBC
 CCBB(2)
 CCBB(3)
 CCBB(3)
 CCBC(2)
 MAPF
 MAPB MAPH
 CCBC(2) CCBL
 CCBC(4) CCBD CCBE(2)
 CCBB CCBD CCBE(3)
 TIGA

CCBC
 CCBD DTMB OTMM
 DTMB DTMM
 DTMM(3)
 CCBE
 CCBC(2) CCBD(2) CCBE
 CCBH
 CCBC CCBE CCBH(2) CCBJ
 CCBM(2)
 CCBD(2)
 CCBE(2)
 ADML
 MAPB
 CDPK
 PDRH
 CCBK
 CCBC CCBE (2)
 CCBE

CCBD
 CCBC CCBE CCBL
 CCBC CCBK
 CDPK
 CCBE CCBH(2)
 CCBC CCBJ
 CCBE CCBL

SOURCE

DESTINATION

CCBE T12 (0) H
 CCBE ALLOW TIME OUT L
 CCBE PARITY CLK H
 CCBE T120 (1) H
 CCBE CLK PRF H
 CCBE T150 HOLD (1) H
 CCBE T150 HOLD (0) H
 CCBE DISABLE REQ H
 CCBE WPL
 CCBE RESTART SYNC (1) H
 CCBE RESTART (1) H
 CCBE RESTART (0) H
 CCBE MEM SYNC SLOW (1) H
 CCBE MEM SYNC SLOW (0) H

CCBD
 CCBD
 CCBK
 CCBC
 CDPH CDPJ
 CCBC(3)
 CCBD CCBE
 CDPJ (2)
 ADMJ DTMB
 CCBD
 CCBK
 CCBC
 CCBC

CCBF REG D00 H
 CCBF REG D01 H
 CCBF REG D02 H
 CCBF REG D03 H
 CCBF REG D04 H
 CCBF REG D05 H
 CCBF REG D06 H
 CCBF REG D07 H
 CCBF REG D08 H
 CCBF REG D09 H
 CCBF REG D10 H
 CCBF REG D11 H
 CCBF REG D12 H
 CCBF REG D13 H
 CCBF REG D14 H
 CCBF REG D15 H
 CCBF ADRS 02 L
 CCBF ADRS 03 L

MAPH
 MAPH
 MAPH
 MAPH
 MAPH
 MAPH
 MAPH
 MAPH
 MAPH
 MAPH
 MAPH
 MAPH
 MAPH
 MAPH
 MAPH
 CCBF(2)
 CCBF

CCBH REPLACE ONE H
 CCBH REPLACE ONE L
 CCBH REPLACE ZERO H
 CCBH REPLACE ZERO L
 CCBH FORCE MISS ONE H
 CCBH FORCE MISS ONE L
 CCBH FORCE MISS ZERO L
 CCBH FORCE MISS ZERO H
 CCBH FORCE MISS GP1 L
 CCBH FORCE MISS GP0 L
 CCBF DIS UNI TRAPS H
 CCBF DIS UNI TRAPS L
 CCBH DIS TRAPS H
 CCBH DIS TRAPS L
 CCBH CLK MAINT REG L
 CCBH CLK CONTROL REG L
 CCBH WRITE ERR REG L
 CCBH ERR ADRS 00 H
 CCBH ERR ADRS 01 H
 CCBH ERR ADRS 02 H

CCBF
 CCBM
 CCBF
 CCBM
 CCBF
 CCBK(2)
 CCBK(2)
 CCBF
 ADMK
 ADMK
 CCBF
 CCBJ
 CCBF
 CCBJ
 CCBL (4)
 CCBJ
 CCBF
 CCBF
 CCBF

SOURCE

CCBH ERR ADRS 03 H
 CCBH ERR ADRS 04 H
 CCBH ERR ADRS 04 H
 CCBH ERR ADRS 05 H
 CCBH ERR ADRS 06 H
 CCBH ERR ADRS 07 H
 CCBH ERR ADRS 08 H
 CCBH ERR ADRS 09 H
 CCBH ERR ADRS 10 H
 CCBH ERR ADRS 11 H
 CCBH ERR ADRS 12 H
 CCBH ERR ADRS 13 H
 CCBH ERR ADRS 14 H
 CCBH ERR ADRS 15 H
 CCBH ERR ADRS 16 H
 CCBH ERR ADRS 17 H
 CCBH ERR ADRS 18 H
 CCBH ERR ADRS 19 H
 CCBH ERR ADRS 20 H
 CCBH ERR ADRS 21 H
 CCBH ERR C0 H
 CCBH ERR C1 H

CCBJ VALID CP CYC H
 CCBJ UB MEM CYC L
 CCBJ ERR REG 15 H
 CCBJ ERR REG 15(0) H
 CCBJ CACHE REG L
 CCBJ REG ENAB H
 CCBJ CLR ERR REG L
 CCBK ERR REG 14 H
 CCBJ ERR REG 13 H
 CCBJ ERR REG 12 H
 CCBJ CLR ERR 13 L
 CCBJ READ B H
 CCBJ ERR REG 11H
 CCBJ CLR ERR 09 L
 CCBJ CLR ERR 08 L
 CCBJ CLK ADRS H
 CCBJ ACK (0) H
 CCBJ PARITY TRAPH
 CCBJ PARITY ABORT H
 CCBJ ERR REG 10 H

CCBK ERR REG 00 H
 CCEK CLR ERR 04 L
 CCBK CLR ERR 05 L
 CCBK CLR ERR 06 L
 CCBK ERR CLK (1) H

DESTINATION

CCBF
 CCBF
 CCBF
 CCBF
 CCBF
 CCBF
 CCBF
 CCBF
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 CCBF
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 CCBF

CCBC CCBJ, CCBL
 CCBJ
 CCBF
 CCBJ
 CCBC
 CCBK
 CCBJ CCBK (2)
 CCBF
 CCBF
 CCBF
 CCBK(3) CCBM(2)
 CCBF
 CCBK
 CCBK
 CCBH
 CCBJ (2)
 TMCA
 PDRH
 CCBF

CCBF
 CCEK
 CCBK
 CCBK

SOURCE

CCBK DATA PE 1 H
 CCBK ERR REG 07 H
 CCBK ERR REG 05 H
 CCBK DATA PE 0 H
 CCBK ERR REG 06 H
 CCBK ERR REG 04 H
 CCBK ERR REG 08 H
 CCBK ERR REG 03 H
 CCBK CLR ERR 01 L
 CCBK CLR ERR 00 L
 CCBK ERR REG 01 H
 CCBK ERR REG 02 H
 CCBK ERR REG 00 H
 CCBK ANY ERR (1) H
 CCBK ANY ERR (0) H

CCBL MAINT 01 H
 CCBL MAINT 02 H
 CCBL MAINT 03 H
 CCBL MAINT 04 H
 CCBL MAINT 05 H
 CCBL MAINT 06 H
 CCBL MAINT 07 H
 CCBL MAINT 08 H
 CCBL MAINT 09 H
 CCBL MAINT 10 H
 CCBL MAINT 11 H
 CCBL MAINT 12 H
 CCBL MAINT 13 H
 CCBL MAINT 14 H
 CCBL MAINT 15 H
 CCBL MAINT 04 L
 CCBL MAINT 05 L
 CCBL MAINT 06 L
 CCBL MAINT 07 L
 CCBL MAINT 12 L
 CCBL MAINT 13 L
 CCBL MAINT 14 L
 CCBL MAINT 15 L
 CCBL CLR MAINT L
 CCBL MAINT MODE H
 CCBL HIT REG 00 H
 CCBL HIT REG 01 H
 CCBL HIT REG 02 H
 CCBL HIT REG 03 H
 CCBL HIT REG 04 H
 CCBL HIT REG 05 H

CCBM RANDOM (1) H
 CCBM VALID 0 IN PUT L
 ccbm valid 1 IN PUT L

DESTINATION

CCBK
 CCBF
 CCBF
 CCBK
 CCBF
 CCBF
 CCBF
 CCBF
 CCBF
 CCBK
 CCBK
 CCBF
 CCBF
 CCBF
 CCBJ CCBL
 CCBJ CCBK

ADML CCBF
 ADML CCBF
 ADML CCBF
 CCBF
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 ADMK CCBF
 ADMK CCBF
 ADMK CCBF
 ADMK CCBF
 CCBF
 CCBF
 CCBF
 CCBF
 DTMN
 DTMN
 DTMN
 DTMN
 CDPF
 CDPF
 CDPF
 CDPF
 CCBL (3)
 CCBK
 CCBF CCBL
 CCBF CCBL
 CCBF CCBL
 CCBF CCBL
 CCBF CCBL
 CCBF

ADMC AD MJ (2)
 ADMD ADMF

SOURCE

DESTINATION

CDPD MEM BYTE 3 PAR H

CDPA

CDPE WRITE MUX 00 H
 CDPE WRITE MUX 01 H
 CDPE WRITE MUX 02 H
 CDPE WRITE MUX 03 H
 CDPE WRITE MUX 04 H
 CDPE WRITE MUX 05 H
 CDPE WRITE MUX 06 H
 CDPE WRITE MUX 07 H
 CDPE WRITE MUX 08 H
 CDPE WRITE MUX 09 H
 CDPE WRITE MUX 10 H
 CDPE WRITE MUX 11 H
 CDPE WRITE MUX 12 H
 CDPE WRITE MUX 13 H
 CDPE WRITE MUX 14 H
 CDPE WRITE MUX 15 H

CDPB (2) CDPC CDPD CDPF
 CDPB (2) CDPC CDPD CDPF
 CDPB (2) CDPC CDPD CDPF
 CDPB (2) CDPC CDPD CDPF
 CDPB (2) CDPC CDPD CDPF
 CDPB (2) CDPC CDPD CDPF
 CDPB (2) CDPC CDPD CDPF
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 CDPB (2) CDPC CDPD CDPF
 CDPB (2) CDPC CDPD CDPF
 CDPB (2) CDPC CDPD CDPF
 CDPB (2) CDPC CDPD CDPF

CDPF MAIN HI PAR OK L
 CDPF MAIN LO PAR OK L
 CDPF WRITE MUX HI GEN H
 CDPF WRITE MUX LO GEN H
 CDPF MUX BYTE 0 PAR L
 CDPF MUX BYTE 1 PAR L
 CDPF MUX BYTE 2 PAR L
 CDPF MUX BYTE 3 PAR L

CCBK DTMM
 CCBK DTMM
 CDPC CDPD
 CDPC CDPD
 CDPF DTMD DTMJ DTMP
 CDPF DTMC DTMH DTMP
 CDPF DTME DTML DTMP
 CDPF DTME DTMH DTMP

CDPH A REQ L
 CDPH B REQ L
 CDPH C REQ L
 CDPH D REQ L
 CDPH BLOCK DL
 CDPH BLOCK CL
 CDPH BLOCK BL
 CDPH BLOCK AL

CDPJ
 CDPJ
 CDPJ
 CDPJ
 CDPH
 CDPH
 CDPH
 CDPH

CDPJ MBC REQ L
 CDPJ REQ CLK H
 CDPJ SELADRS CTRL A N
 CDPK SELADRS CTRL B H
 CDPJ SELADRS CTRL C H
 CDPJ SELADRS CTRL D H
 CDPJ SEL DATA CTRL A H
 CDPJ SEL DATA CTRL B H
 CDPJ SEL DATA CTRL C H
 CDPJ SEL DATA CTRL D H
 CDPJ INITAL
 CDPJ B LAST (1) H

CCBB
 CDPH CDPK
 CDPH CDPK
 CDPH CDPK
 CDPH CDPK

CDPB (2) CDPE CDPH
 CDPJ

SOURCE

CDPJ B LAST (1) L
 CDPJ D LAST (1) H
 CDPJ D LAST (1) L
 CDPJ C OR D LAST (1) H
 CDPJ C OR D LAST (1) L

CDPK READ B L
 CDPK READ H
 CDPK MBC REQ ACKN H
 CDPK DATA RDY L
 CDPK RDY CLK_L
 CDPK DATA RDY CNTLA H
 CDPK RIPH
 CDPK RIPL
 CDPK DATA RDY CNTL B H
 CDPK DATA RDY CNTL C H
 CDPK DATA RDY CNTL D H

DTMA WRD 0 A02 H
 DTMA WRD 1 A02 H
 DTMA WRD 2 A02 H
 DTMA WRD 3 A02 H
 DTMA WRD 0 A03 H
 DTMA WRD 1 A03 H
 DTMA WRD 2 A03 H
 DTMA WRD 3 A03 H
 DTMA WRD 0 A04 H
 DTMA WRD 1 A04 H
 DTMA WRD 2 A04 H
 DTMA WRD 3 A04 H
 DTMA WRD 0 A05 H
 DTMA WRD 1 A05 H
 DTMA WRD 2 A05 H
 DTMA WRD 3 A05 H
 DTMA WRD 0 A06 H
 DTMA WRD 1 A06 H
 DTMA WRD 2 A06 H
 DTMA WRD 3 A06 H
 DTMA WRD 0 A07 H
 DTMA WRD 2 A07 H
 DTMA WRD 3 A07 H

DESTINATION

CDPJ
 CDPJ
 CDPJ
 CDPJ
 CDPJ

CDPC (3)
 CDPB (2) CDPK
 CDPK
 CDPK
 CCBE
 CCBD CCBE
 CDPA

DTMC (2) DTMD (2)
 DTME (2) DTMF (2)
 DTMH (2) DTMJ (2)
 DTMK (2) DTML (2)
 DTMC (2) DTMD (2)
 DTME (2) DTMF (2)
 DTMH (2) DTMJ (2)
 DTMK (2) DTML (2)
 DTMC (2) DTMD (2)
 DTME (2) DTMF (2)
 DTMH (2) DTMJ (2)
 DTMK (2) DTML (2)
 DTMC (2) DTMD (2)
 DTME (2) DTMF (2)
 DTMH (2) DTMJ (2)
 DTMK (2) DTML (2)
 DTMC (2) DTMD (2)
 DTME (2) DTMF (2)
 DTMH (2) DTMJ (2)
 DTMK (2) DTML (2)

SOURCE

DESTINATION

DTMA WRD 0 A08A
 DTMA WRD 1 A08H
 DTMA WRD 2 A08H
 DTMA WRD 3 A08H
 DTMA WRD 0 A09H
 DTMA WRD 1 A09H
 DTMA WRD 2 A00H
 DTMA WRD 3 S09H

DTMC (2) DTMD (2)
 DTME (2) DTMF (2)
 DTMH (2) DTMJ (2)
 DTMK (2) DTML (2)
 DTMC (2) DTMD (2)
 DTME (2) DTMF (2)
 DTMH (2) DTMJ (2)
 DTMK (2) DTML (2)

DTMB READ H
 DTMB WRITE H
 DTMB A01L
 DTMB CS0L
 DTMB CS1L
 DTMB CS2L
 DTMB CS3L
 DTMB LO BYTE WP0*1L
 DTMB HI BYTE WP0*1L
 DTMB LO BYTE WP2*3L
 DTMB HI BYTE WP2*3L

 DTMM
 DTMC (2) D MD (2)
 DTME (2) DTMF (2)
 DTMH (2) DTMJ (2)
 DTMK (2) DTML (2)
 DTMD (2) DTMF (2)
 DTMC (2) DTME (2)
 DTMH (2) DTMJ (2)
 DTMK (2) DTML (2)

DTMC + E GRP0 D15H
 DTMC + E GRP0 D14H
 DTMC + E GRP0 D13H
 DTMC + E GRP0 D12H
 DTMC + E GRP0 D11H
 DTMC + E GTP0 D10H
 DTMC + E GRP0 D09H
 DTMC + E GRP0 D08H
 DTMC + E GRP0 HI PAR H

DTMM DTMN
 DTMM DTMN
 DTMM DTMN
 DTMM DTMN
 DTMM DTMN
 DTMM DTMN
 DTMM DTMN
 DTMM DTMN
 DTMM DTMN

DTMD + F GRP0 D07H
 DTMD + F GRP0 D06H
 DTMD + F GRP0 D05H
 DTMD + F GRP0 D04H
 DTMD + F GRP0 D03H
 DTMD + F GRP0 D02H
 DTMD + F GRP0 D01H
 DTMD + F GRP0 D00H
 DTMD + F GRP0 LO PAR H

DTMM DTMN
 DTMM DTMN
 DTMM DTMN
 DTMM DTMN
 DTMM DTMN
 DTMM DTMN
 DTMM DTMN
 DTMM DTMN
 DTMM DTMN

SOURCE

DESTINATION

DTMC + E GRPØ D15H
 DTMC + E GRPØ D14H
 DTMC + E GRPØ D13H
 DTMC + E GRPØ D12H
 DTMC + E GRPØ D11H
 DTMC + E GRPØ D1ØH
 DTMC + E GRPØ DØ9H
 DTMC + E GRPØ DØ8H
 DTMC + E GRPØ HI PAR H

DTMM DTMN
 DTMM DTMN
 DTMM DTMN
 DTMM DTMN
 DTMM DTMN
 DTMM DTMN
 DTMM DTMN
 DTMM DTMN
 DTMM DTMN

DTMD + F GRPØ DØ7H
 DTMD + E GRPØ DØ6H
 DTMD + F GRPØ DØ5H
 DTMD + F GRPØ DØ4H
 DTMD + F GRPØ DØ3H
 DTMD + F GRPØ DØ2H
 DTMD + F GRPØ DØ1H
 DTMD + F GRPØ DØØH
 DTMD + F GRPØ LO PAR H

DTMM DTMN
 DTMM DTMN
 DTMM DTMN
 DTMM DTMN
 DTMM DTMN
 DTMM DTMN
 DTMM DTMN
 DTMM DTMN
 DTMM DTMN

DTMH + F GRP1 D15H
 DTMH + F GRP1 D14H
 DTMH + F GRP1 D13H
 DTMH + F GRP1 D12H
 DTMH + F GRP1 D11H
 DTMH + F GRP1 D1ØH
 DTMH + F GRP1 DØ9H
 DTMH + F GRP1 DØ8H
 DTMH + K GRP1 HI PARH

DTMM DTMN
 DTMM DTMN
 DTMM DTMN
 DTMM DTMN
 DTMM DTMN
 DTMM DTMN
 DTMM DTMN
 DTMM DTMN
 DTMM DTMN

DTMJ + L GRP1 DØ6H
 DTMJ + L GRP1 DØ6H
 DTMJ + L GRP1 DØ5H
 DTMJ + L GRP1 DØ4H
 DTMJ + L GRP1 DØ3H
 DTMJ + L GRP1 DØ2H
 DTMJ + L GRP1 DØ1H
 DTMJ + L GRP1 DØØH
 DTMJ + L GRP1 LO PARH

DTMM DTMN
 DTMM DTMN
 DTMM DTMN
 DTMM DTMN
 DTMM DTMN
 DTMM DTMN
 DTMM DTMN
 DTMM DTMN
 DTMM DTMN

SOURCE

DESTINATION

SAPC WRITE LO BYTE UPAR L	----
SAPC WRITE HI BYTE UPAR L	----
SAPC APR ADDRØ H	----
SAPC APR ADDR1 H	----
SAPC APR ADDR2 H	----
SAPC APR ADDR3 UA H	----
SAPC PULSE BC9C H	SAPB SAPD SAPE SAPF
SAPC PULSE BC9B H	SAPA
SAPC PULSE BC9D H	SAPC SAPD
SAPA + B + C PAF 21 H	SAPJ SAPM SAPN
SAPA + B + C PAF 20 H	SAPJ SAPM SAPN
SAPA + B + C PAF 19 H	SAPJ SAPM SAPN
SAPA + B + C PAF 18 H	SAPJ SAPM SAPN
SAPA + B + C PAF 17 H	SAPJ SAPM SAPN
SAPA + B + C PAF 16 H	SAPJ SAPM SAPN
SAPA + B + C PAF 15 H	SAPJ SAPM SAPN
SAPA + B + C PAF 14 H	SAPJ SAPM SAPN
SAPA + B + C PAF 13 H	SAPJ SAPM SAPN
SAPA + B + C PAF 12 H	SAPJ SAPM SAPN
SAPA + B + C PAF 11 H	SAPJ SAPM SAPN
SAPA + B + C PAF 1Ø H	SAPJ SAPM SAPN
SAPA + B + C PAF Ø9 H	SAPJ SAPM SAPN
SAPA + B + C PAF Ø8 H	SAPJ SAPM SAPN
SAPA + B + C PAF Ø7 H	SAPJ SAPM SAPN
SAPA + B + C PAF Ø6 H	SAPJ SAPM SAPN
SAPD BUSTC (1) H	----
SAPD ATTN (1) H	----
SAPD ATTN (Ø) H	SAPD
SAPD WRTM INTØ (1) H	----
SAPD WRTM INTØ (Ø) H	SAPD
SAPD + E + F RAM WRTN INTO H	SAPM
SAPD + E + F RAM ATTN H	SAPM
SAPD WR A + W L	SAPE SAPF
SAPD WRITE LO BYTE KPDR L	----
SAPD WRITE HI BYTE KPDR L	----
SAPD PGE EXPN DOWN L	SAPL
SAPD ACF2 L	SAPL (3)
SAPD "1"	SAPL (4)
" " Ø"	SAPL (2)
SAPD MMWC L	----
" " AF L	----
SAPD GATE ATTN H	----
SAPD ATTN DATA L	SAPE SAPF
SAPD WRTN DATA L	SAPE SAPF
SAPD APR ADDR3 KD H	----

SOURCE

DESTINATION

SAPD SPR ADDR2 H	----
SAPD SPR ADDR1 H	----
SAPD APR ADDRØ H	----
SAPD BR15 LL	SAPA SAPB SAPC SAPE SAPF
SAPD BR14 LL	SAPA SAPB SAPC SAPE SAPF
SAPD BR13 LL	SAPA SAPB SAPC SAPE SAPF
SAPD BR12 LL	SAPA SAPB SAPC SAPE SAPF
SAPD + E + F PLFEH	SAPM
SAPD + E + E PLF6H	SAPL SAPM
SAPD + E + F PLF5H	SAPL SAPM
SAPD + E + F PLF4H	SAPL SAPM
SAPD + E + F PLF3H	SAPL SAPM
SAPD + E + F PLF2H	SAPL SAPM
SAPD + E + F PLF1H	SAPL SAPM
SAPD + E + F PLFØH	SAPL SAPM
SAPD + E + F PGE EXPN DOWN H	SAPL SAPM
SAPD + E + E ACF2 H	SAPL (2) SAPM
SAPD + E + F ACF1 H	SAPL (2) SAPM
SAPD + E + F ACFØ H	SAPL (4) SAPM

SAPE WRITE LO BYTE SPDR L	----
SAPE WRITE HI BYTE SPDR L	----
SAPE APR ADDR3 SD H	----
SAPE APR ADDR2 H	----
SAPE APR ADDR1 H	----
SAPE APR ADDRØ H	----
SAPE USER PAR L	SAPC
SAPE SUPER PAR L	SAPB
SAPE KERNEL PAR L	SAPA
SAPE USER CS L	SAPF
SAPE SUPER CS L	SAPE
SAPE KERNEL CS L	SAPD
SAPE BUF INT REG L	----
SAPD + E + F PLFE H	SAPM
SAPD + E + F PLF6 H	SAPL SAPM
SAPD + E + F PLF5 H	SAPL SAPM
SAPD + E + F PLF4 H	SAPL SAPM
SAPD + E + F PLF3 H	SAPL SAPM
SAPD + E + F PLF2 H	SAPL SAPM
SAPD + E + F PLF1 H	SAPL SAPM
SAPD + E + F PLFØ H	SAPL SAPM
SAPD + E + F RAM ATTN H	SAPM
SAPD + E + F WRTN INTO H	SAPM
SAPD + E + F PGE EXPN DOWN H	SAPL SAPM
SAPD + E + F ACF2 H	SAPL (2) SAPM
SAPD + E + F ACF1 H	SAPL (2) SAPM
SAPD + E + E ACFØ H	SAPL (4) SAPM

SOURCE

DESTINATION

SAPF WRITE LO BYTE UPDRL
 SAPF WRITE HI BYTE UPDRL
 SAPD + E + F PLF6 H
 SAPD + E + F PLF5 H
 SAPD + E + F PLF4 H
 SAPD + E + F PLF3 H
 SAPD + E + F PLF2 H
 SAPD + E + F PLF1 H
 SAPD + E + F PLF0 H
 SAPD + E + F RAM ATTN H
 SAPD + E + F WRTN INTO H
 SAPD + E + F PGE EXPN DOWN H
 SAPD + E + F ACF2 H
 SAPD + E + F ACF1 H
 SAPD + E + F ACF0 H
 SAPF APR ADDR3 UD H
 SAPF APR ADDR2 H
 SAPF APR ADDR1 H
 SAPF APR ADDR0 H

 SAPM
 SAPL SAPM
 SAPL SAPM
 SAPL SAPM
 SAPL SAPM
 SAPL SAPM
 SAPL SAPM
 SAPL SAPM
 SAPM
 SAPM
 SAPL SAPM
 SAPL (2) SAPM
 SAPL (2) SAPM
 SAPL (4) SAPM

SAPH VA15 BH
 SAPH VA14 BH
 SAPH VA13 BH
 SAPH VA12 BH
 SAPH VA11 BH
 SAPH VA10 BH
 SAPH VA09 BH
 SAPH VA08 BH
 SAPH EX MEM FLAG H
 SAPH VA07 BH
 SAPH VA06 BH
 SAPH VA05 BH
 SAPH VA03 BH
 SAPH VA02 BH
 SAPH VA01 BH

SAPH SAPJ SSRH
 SAPH SAPJ SSRH
 SAPH SAPJ SSRH
 SAPJ SAPL SAPN
 SAPJ SAPL SAPN
 SAPJ SAPL SAPN
 SAPJ SAPL SAPN
 SAPJ SAPL SAPN
 SAPJ (2) SPN SCCE
 SAPJ SAPL SAPN
 SAPJ SAPL SAPN
 TMCD SAPM
 SAPK (2) SSRH
 SAPK (2) SSRH
 SAPK (2) SSRH

SAPJ COUT BL
 SAPJ ADRS13H
 SAPJ PA12H
 SAPJ PA11H
 SAPJ PA10H
 SAPJ PA09H
 SAPJ PA08H
 SAPJ PA07H
 SAPJ PA06H
 SAPJ RELOC H
 SAPJ RELOC BH
 SAPJ SEL1 H
 SAPJ SEL0 H

SAPL
 SAPJ (2) SAPN
 ADMF SCCA SCCE
 ADME SCCA
 ADME SCCA SCCE
 ADME SCCA
 ADME SCCA
 ADME SCCA
 ADME SCCA
 SAPD SAPJ
 SAPJ (2)
 SAPN
 SAPN (2)

SOURCE

DESTINATION

SAPJ 22 BIT MAPPING H
 SAPJ SEL1 L
 SAPJ SELØ L
 SAPJ PA <21:18> H
 SAPJ 22 BIT WRAPAROUND L
 SAPJ ADRS21 H
 SAPJ ADRS20 H
 SAPJ ADRS19 H
 SAPJ ADRS18 H
 SAPJ 18 BIT WRAPAROUND L
 SAPJ PA <18:14> H
 SAPJ 18 BIT UBADRS H
 SAPJ ADRS17 H
 SAPJ ADRS16 H
 SAPJ ADRS15 H
 SAPJ ADRS14 H
 SAPJ PA21 H
 SAPJ PA20 H
 SAPJ PA19 H
 SAPJ PA18 H
 SAPJ PA17 H
 SAPJ PA16 H
 SAPJ PA15 H
 SAPJ PA14 H
 SAPJ PA13 H

SAPK DSK H
 SAPK DSS H
 SAPK DSU H
 SAPK APR ADDR3 KL
 SAPK APR ADDR3 KL
 SAPK APR ADDR3 UL
 SAPK BR11CL

SAPK BR1ØCL
 SAPK BRØ9CL
 SAPK BRØ8CL
 SAPK I SPACEB(Ø)H
 SAPK I SPACEA(Ø)H
 SAPK C1BL
 SAPK BRØ7 CL
 SAPK BRØ6 CL
 SAPK BRØ5 CL
 SAPK BRØ4 CL

SAPN
 SAPJ (2) SAPN (2)
 SAPJ SAPN
 SAPN
 SAPN
 SCCK
 SCCK
 SCCK
 SCCK
 SAPN
 SAPJ SAPN

 SCCK
 SCCK
 SAPJ
 SAPJ
 ADMF
 ADMF
 ADMF
 ADMF
 ADMF SCCB SCCL
 ADMF SCCB SCCL
 ADMF*SCCA SCCB SCCL
 ADMF SCCA SCCB SCCL
 ADMF SCCA SCCB SCCL

SAPK
 SAPK
 SAPK
 SAPA SAPD
 SAPB SAPE
 SAPC SAPF
 SAPA SAPB SAPC SAPD SAPE
 SAPF
 SAPA SAPB SAPC SAPD SAPE SAPF
 SAPA SAPB SAPC SAPD SAPE SAPF
 SAPA SAPB SAPC SAPD SAPE SAPE
 SAPK
 SAPK
 SAPL
 SAPA SAPB SAPC
 SAPA SAPB SAPC
 SAPA SAPB SAPC
 SAPA SAPB SAPC

SOURCE	DESTINATION
SAPK C1 BH	----
SAPK USER SPACE H	----
SAPK KERNEL SPACE H	----
SAPK SUPER SPACE H	----
SAPK APR ADDR2 L	SAPA SAPB SAPC SAPD SAPE SAPF
SAPK APR ADDR1 L	SAPA SAPB SAPC SAPD SAPE SAPF
SAPK APR ADDRØ L	SAPA SAPB SAPC SAPD SAPE SAPF
SAPK WR OKB H	SAPD D
SAPK WR OKA H	SAPD SAPE SAPF
SAPK WR OK H	SAPA SAPB SAPC SAPD
SAPK IND DATA H	SCCJ SSRB
SARK IND DATA L	----
SARK HI BYTE BH	SAPA SAPB SAPC SAPD SAPE SAPF
SARK REG WR PULSE H	SCCL
SAPK LO BYTE BH	SAPA SAPB SAPC SAPD SAPE SAPF
SARK BRØØ CL	SAPA SAPB SAPC SAPD SAPE SAPF
SAPK BRØ1 CL	SAPA SAPB SAPC SAPD SAPE SAPF
SAPK BRØ2 CL	SAPA SAPB SAPC SAPD SAPE SAPF
SAPK BRØ3 CL	SAPA SAPB SAPC SAPD SAPE SAPF
SAPK APR ADDRA2 L	SAPA SAPB SAPC
SAPK APR ADDRA1 L	SAPA SAPB SAPC
SAPK APR ADDRAØ L	SAPA SAPB SAPC
SAPL KEY=1.WLL	----
SAPL KEY=4 L	----
SAPL KEY=5WR L	----
SAPL MEM MGMT H	SAPD SSRD
SAPL LENGTH FAULT L	SSRC
SAPL LENGTH FAULT H	SSRC (2)
SAPL ABORT COND H	SSRC
SAPL NONRES FAULT H	SAPL
SAPL WRITE CYCLE L	SAPD SAPL
SAPL WRITE CYCLE H	----
SAPL DATIP L	----
SAPL KEY=1WRL	----
SAPL KEY=2WRL	----
SAPL READ ONLY FAULT H	SSRC
SAPL READ ONLY FAULT L	SAPL
SAPM APR BIT15 H	SSRJ
SAPM APR BIT14 H	SSRJ

SOURCE

DESTINATION

SAPM APR BIT13 H
 SAPM APR BIT12 H
 SAPM APR BIT11 H
 SAPM APR BIT10 H
 SAPM APR BIT09 H
 SAPM APR BIT08 H
 SAPM APR BIT07 H
 SAPM APR BIT06 H
 SAPM APR BIT05 H
 SAPM APR BIT04 H
 SAPM APR BIT03 H
 SAPM APR BIT02 H
 SAPM APR BIT01 H
 SAPM APR BIT00 H

SSRJ
 SSRJ
 SSRJ
 SSRJ
 SSRJ
 SSRJ
 SSRJ
 SSRJ
 SSRJ
 SSRJ
 SSRJ
 SSRJ
 SSRJ

SAPN ADRS OVERFLOW H
 SAPN 18 BIT OVERFLOW H
 SAPN 16 BIT MAPPING H
 SAPN SR <21:18> H
 SAPN NOT CACHE ADRS H
 SAPN UB ADRS L
 SAPN UNIBUS ADRS L

SAPN
 SAPN

 TIGA*TMCC TMCF

 TMCC SCCB SCCE SSRC UBCA

SCCA VA12 A L
 SCCA VA12 A H
 SCCA VA11 A L
 SCCA VA11 A H
 SCCA VA10 A L
 SCCA VA10 A H
 SCCA VA09 A L
 SCCA VA09 A H
 SCCA VA08 A L
 SCCA VA08 A H
 SCCA VA07 A L
 SCCA VA07 A H
 SCCA VA06 A L
 SCCA VA06 A H
 SCCA VA05 A L
 SCCA VA05 A H
 SCCA VA04 A L
 SCCA VA04 A H

SCCK
 SCCE
 SCCK
 SCCE
 SCCK
 SCCE
 SCCK
 SCCE
 SCCK
 SCCE
 SCCK
 SCCE
 SCCK
 SCCE
 SCCB
 SCCB SCCE (2) SCCF SCCL
 SCCB
 SCCB SCCE (2) SCCF SCCL

SOURCE

DESTINATION

SCCA VA03 A L	SCCE (2)
SCCA VA03 A H	SCCB (2) SCCE (2) SCCJ SCCL
SCCA VA02 A L	SCCB (2)
SCCA VA02 A H	SCCB SCCE (2) SCCJ SCCL
SCCA VA01 A L	SCCB (2)
SCCA VA01 A H	SCCB SCCE (2) SCCJ SCCL
SCCA VA00 A L	----
SCCA VA00 A H	SCCJ SCCL UBCB
SCCA PA15 L	SCCK
SCCA PA14 L	SCCK
SCCA PA13 L	SCCK
SCCA PA12 L	SCCK
SCCA PA11 L	SCCB SCCE SCCK
SCCA PA11 BH	SCCB SCCL
SCCA PA10 L	SCCK
SCCA PA10BH	SCCL
SCCA PA09 L	SCCB SCCK
SCCA PA09 BH	SCCB SCCE SCCL
SCCA PA08 L	SCCB SCCK
SCCA PA08 BH	SCCB (2) SCCF SCCL
SCCA PA07 L	SCCB SCCK
SCCA PA07 BH	SCCB (2) SSCE SCCL
SCCA PA06 L	SCCB (2) SCCK
SCCA PA06 BH	SCCB (2) SCCE SCCL
SCCA VA15 CL	SCCK SCCN
SCCA VA14 CL	SCCK SCCN
SCCA VA13 CL	SCCK SCCN

SCCB UNIBUS ADRS H	----
SCCB UBREF L	SCCE
SCCB UBREF H	----
SCCB PA <8:6> =5 H	SCCB
SCCB PAR ADRS H	SCCB (2)
SCCB PDR ADRS H	----
SCCB USER PAR ADRS L	SCCB SCCD
SCCB USER PDR ADRS L	SCCB SCCD
SCCB SW REG ADRS L	SCCC
SCCB MMR ADRS L	SCCC
SCCB SWR+MMR ADRS L	SCCD
SCCB SUPER PAR ADRS L	SCCC SCCD
SCCB SUPER PDR ADRS L	SCCC SCCD
SCCB KERNEL PAR ADRS L	SCCC SCCD
SCCB KERNEL PDR ADRS L	SCCC SCCD
SCCB MMR3 ADRS L	SCCC SCCD

SOURCE

SCCC USER PAR (1) H
 SCCC USER PAR (Ø) H
 SCCC USER PDR (1) H
 SCCC USER PDR (0) H
 SCCC SUPER PAR(1) H
 SCCC SUPER PAR(Ø) H
 SCCC SUPER PDR(1) H
 SCCC SUPER PDR(Ø) H
 SCCC KERNEL PAR (1) H
 SCCC KERNEL PAR (0) H
 SCCC KERNEL PDR (1) H
 SCCC KERNEL PDR (Ø) H
 SCCC INT REG H
 SCCC INT REG A L
 SCCC INT REG B L
 SCCC C1BL
 SCCC MMR REG (1) H
 SCCC MMR REG (Ø) H
 SCCC WRITE MMRØ REG H
 SCCC MMR3 (1) H
 SCCC MMR3 (Ø) H
 SCCC READ MMR3 L
 SCCC SW REG (Ø) H
 SCCC SW REG L
 SCCD APR REG H
 SCCD INT REG ADRS H
 SCCD APR REG L
 SCCD INTD REG (1) L
 SCCD INTD REL
 SCCD INITA B L
 SCCD INT CLR AL
 SCCD INT CLR BL

SCCE SYS INT REG L
 SCCE INTERNAL ADRS H
 SCCE STACK OVERFLOW H
 SCCE PS ADRS H
 SCCE SL ADRS H
 SCCE PIR ADRS H
 SCCE PB ADRS H
 SCCE ERR REG ADRS L
 SCCE ERR REG ADRS H
 SCCE SYS ID ADRS L
 SCCE SYS SIZH ADRS L
 SCCE SYS SIZL ADRS L

DESTINATION

SAPC
 SAPE (2) SCCD
 SAPF
 SAPE SCCD
 SAPB
 SAPE (2) SCCD
 SAPE
 SAPE SCCD
 SAPA
 SAPE (2) SCCD
 SAPD
 SAPE SCCD
 SAPD SAPE SAPN SSRJ

 SAPD (2) SSRC SSRD
 SCCC SCCM SCCN
 SSRJ (2)
 SCCC
 SSRC SSRE
 SCCC
 SCCC SSRJ
 SCCH
 SCCH (2)

 SAPD

 SSRJ (2)
 TIGA TCMF UBCA (2)
 SCCM SCCN
 SCCF SCCK SCCL
 SCCC (2)
 SCCC SCCD

SCCD
 TMCD UBCC
 TMCD
 TMCD TCMF UBCB
 TMCD TCMF
 TMCD TCMF
 TMCD TCMF
 SCCM (2)
 TMCD
 SCCM (2)
 SCCM (2)
 SCCM (2)
 SCCM (2)

SOURCE	DESTINATION
SCCF CNSL CLR L	---
SCCF REG EXAM H	UBCF
SCCF REG DEP H	UBCF
SCCF EXAM H	UBCF
SCCF DEP H	UBCF
SCCF DISP ADRS04 H	SCCJ
SCCF DISP ADRS05 H	SCCJ
SCCF GEN REG (1) H	SCCF SCCK
SCCF GEN REG (0) H	SCCF SCCK
SCCF GEN REG ADRS H	---
SCCF IND 16 BIT MAPPING H	SCCJ
SCCF IND 18 BIT MAPPING H	SCCJ
SCCF IND 22 BIT MAPPING H	SCCJ
SCCF CONT H	TIGB UBCF
SCCF START H	UBCF (2)
SCCF SINGLE CYCLE H	TIGB UBCF
SCCF HALT H	TIGB UBCE UBCF
SCCF LOAD ADRS H	UBCF
SCCF IND ADRS ERR H	SCCF
SCCH ENAB INTD DATA H	SCCH
BUS INTD15 L	PDRA
BUS INTD14 L	PDRA
BUS INTD13 L	PDRA
BUS INTD12 L	PDRA
BUS INTD11 L	PDRA
BUS INTD10 L	PDRA
BUS INTD09 L	PDRA
BUS INTD08 L	PDRA
BUS INTD07 L	PDRA
BUS INTD06 L	PDRA
BUS INTD05 L	PDRA
BUS INTD04 L	PDRA
BUS INTD03 L	PDRA
BUS INTD02 L	PDRA
BUS INTD01 L	PDRA
BUS INTD00 L	PDRA
SCCJ SWR00 H	SCCH
SCCJ SWR01 H	SCCH
SCCJ SWR02 H	SCCH
SCCJ SWR03 H	SCCH
SCCJ SWR04 H	SCCF SCCH
SCCJ SWR05 H	SCCF SCCH
SCCJ SWR06 H	SCCF SCCH
SCCJ SWR07 H	SCCF SCCH

SOURCE

DESTINATION

SCCJ SWR08 H
 SCCJ SWR09 H
 SCCJ SWR10 H
 SCCJ SWR11 H
 SCCJ SWR12 H
 SCCJ SWR13 H
 SCCJ SWR14 H
 SCCJ SWR15 H
 SCCJ SWR16 H
 SCCJ SWR17 H
 SCCJ SWR18 H
 SCCJ SWR19 H
 SCCJ SWR20 H
 SCCJ SWR21 H
 SCCJ CONT SW H
 SCCJ SGL BUS CYC SW H
 SCCJ LOAD ADRS SW H
 SCCJ START SW H
 SCCJ EXAM SW H
 SCCJ DEP SW H
 SCCJ HALT SW H
 SCCJ DISP ADRS SEL0 H
 SCCJ DISP ADRS SEL1 H
 SCCJ PNL LOCK H
 SCCJ DISP ADRS SELZ H

SCCF SCCH
 SCCF SCCH
 SCCF SCCH
 SCCF SCCH
 SCCF SCCH
 SCCF SCCH
 SCCF SCCH
 SCCF SCCH
 SCCF SCCH
 SCCF SCCH
 SCCF SCCH
 SCCF SCCH
 SCCF SCCH
 SCCF SCCH
 SCCF SCCH
 SCCF SCCH
 SCCF (2)
 SCCF
 SCCF (2)
 SCCF
 SCCF
 SCCF
 SCCF
 SCCF
 SSRK
 SSRK

 SSRK

SCCK DISP ADRS15 H
 SCCK DISP ADRS14 H
 SCCK DISP ADRS13 H
 SCCK DISP ADRS12 H
 SCCK DISP ADRS11 H
 SCCK DISP ADRS10 H
 SCCK DISP ADRS09 H
 SCCK DISP ADRS08 H
 SCCK DISP ADRS07 H
 SCCK DISP ADRS06 H
 SCCK ROM10 L
 SCCK SR CLR L
 SCCK SWR21 B (1) H
 SCCK SWR20 B (1) H
 SCCK SWR10 B (1) H
 SCCK SWR18 B (1) H
 SCCK SWR17 B (1) H

SCCJ
 SCCJ
 SCCJ
 SCCJ
 SCCJ
 SCCJ
 SCCJ
 SCCJ
 SCCJ
 SCCJ

 SCCJ
 SCCJ

 SAPJ SAPN SCCN
 SAPJ SAPN SCCN
 SAPJ SAPN SCCN
 SAPJ SAPN SCCH
 SAPJ SCCN

SOURCE

DESTINATION

SCCK SWR16 B (1) H
 SCCK DISP ADRS21 H
 SCCK DISP ADRS20 H
 SCCK DISP ADRS19 H
 SCCK DISP ADRS 18 H
 SCCK DISP ADRS 17 H
 SCCK DISP ADRS 16 H

SAPJ SCCN
 SCCJ
 SCCJ
 SCCJ
 SCCJ
 SCCJ
 SCCJ

SCCL BR00 C H
 SCCL BR01 C H
 SCCL BR02 C H
 SCCL BR04 C H
 SCCL MMR3 CLK L
 SCCL ENAB UB MAP H
 SCCL ENAB 22BIT MAPPING H
 SCCL ENBL D K (1) H
 SCCL ENBL D S (1) H
 SCCL ENBL D U (1) H
 BUS A17 L
 BUS A16 L
 BUS A15 L
 BUS A14 L
 BUS A13 L
 BUS A12 L
 BUS A11 L
 BUS A10 L
 BUS A09 L
 BUS A08 L
 BUS A07 L
 BUS A06 L
 BUS A05 L
 BUS A04 L
 BUS A03 L
 BUS A02 L
 BUS A01 L
 BUS A00 L

 MAPD SCCH
 SAPJ SCCF SCCH
 SAPK SCCH
 SAPK SCCH
 SAPK SCCH

SCCM SYS ID07 H
 SCCM SYS ID06 H
 SCCM SYS ID05 H
 SCCM SYS ID04 H
 SCCM SYS ID03 H
 SCCM SYS ID02 H
 SCCM SYS ID01 H
 SCCM SYS ID00 H

SOURCE

DESTINATION

SCCM SEL1 H	---
SCCM SEL0 H	---
SCCM DATA EN H	---
BUS INTD 07 L	PDRA
BUS INTD 06 L	PDRA
BUS INTD 05 L	PDRA
BUS INTD 04 L	PDRA
BUS INTD 03 L	PDRA
BUS INTD 02 L	PDRA
BUS INTD 01 L	PDRA
BUS INTD 00 L	PDRA

SCCN SYS SIZE 17 H	SAPN
SCCN SYS SIZE 16 H	SAPN
SCCN SYS SIZE 15 H	SAPN
SCCN SYS SIZE 14 H	SAPN
SCCN SYS SIZE 21 H	SAPN (2)
SCCN SYS SIZE 20 H	SAPN (2)
SCCN SYS SIZE 19 H	SAPN (2)
SCCN SYS SIZE 18 H	SAPN (2)

SCCN SWR21 L	SCCN
SCCN SWR20 L	SCCN
SCCN SWR19 L	SCCN
SCCN SWR18 L	SCCN
SCCN SWR17 L	SCCN
SCCN SWR16 L	SCCN
SCCN SYS ID15 H	---
SCCN SYS ID14 H	---
SCCN SYS ID13 H	---
SCCN SYS ID12 H	---
SCCN SYS ID11 H	---
SCCN SYS ID10 H	---
SCCN SYS ID09 H	---
SCCN SYS ID08 H	---
BUS INTD15 L	PDRA
BUS INTD14 L	PDRA
BUS INTD13 L	PDRA
BUS INTD12 L	PDRA
BUS INTD11 L	PDRA
BUS INTD10 L	PDRA
BUS INTD09 L	PDRA
BUS INTD08 L	PDRA
SCCN CNSL OVERFLOW H	SAPN

SOURCE

DESTINATION

SSRA ROM OUT16 H
 SSRA ROM OUT15 H
 SSRA ROM OUT14 H
 SSRA ROM OUT13 H
 SSRA ROM OUT12 H
 SSRA ROM OUT11 H
 SSRA ROM OUT10 H
 SSRA ROM OUT09 H
 SSRA ROM OUT08 Hq
 SSRA ROM OUT07 H
 SSRA ROM OUT06 H
 SSRA ROM OUT05 H
 SSRA DST (1) H
 SSRA ROM OUT06 L
 SSRA KY PH MEMAC (1) H
 SSRA KY PH MEMAC (0) H
 SSRA CLR PSR (1) H
 SSRA ROM 110 H
 SSRA INH PWE L
 SSRA BRK: 30 (0)H
 SSRA BRK: 30 (1) H
 SSRA AUTO DEC (1) H
 SSRA AUTO DEC (0) H
 SSRA ONE CHANGED (1) H
 SSRA PS RESTORE (1) H

SSRB MF/TP SPACE L
 SSRB ROM OUT12 L
 SSRB PS14 BH
 SSRB PMODE=USER H
 SSRB USER MODE H
 SSRB PREV=I H
 SSRB I SPACE A L
 SSRB KERNEL SPACE (1) L
 SSRB MMR0 MODE 0*H
 SSRB SUPER SPACE (1) L
 SSRB USER SPACE (1) L
 SSRB MMR0 MODE 1 H
 SSRB I SPACEB L
 SSRB ENBL IF NOT u/u H

SSRB
 SSRB
 SSRB
 SSRB
 SSRA SSRB (5)
 SSRB
 SCCK
 SSRB
 SSRB
 SAPD SAPK SCCD SSRB
 SSRB
 SSRB (4)
 SSRE
 SSRB (2)
 SAPJ SAPN (2)
 SSRE
 SSRA

 GRAC
 SSRF
 SSRH
 SSRF
 SSRF
 SSRF (2)
 PDRD

SSRB (2)
 SSRB (2)
 SSRB
 SSRB
 SSRB
 SSRB
 SAPK
 SAPE (2) SAPK
 SSCJ SSRE
 SAPE (2) SAPK
 SAPE (2) SAPK
 SCCJ SSRE
 SAPK

SOURCE

DESTINATION

SSRC MMRØ BIT15 H
 SSRC MMRØ BIT14 H
 SSRC MMRØ BIT13 H
 SSRC NO ERROR (1) H
 SSRC INH PSEUDO T3 L
 SSRC ABORT FLG B L
 SSRC KT ABORT FLG H
 SSRC KT ABORT FLG L
 SSRC ABT FLG (1) H
 SSRC ABT FLG (Ø) H
 SSRC CLR ABORT FLG L

SSRD MEM MGMT B L
 SSRD DATA12 H
 SSRD MMRØ HI B CLK L
 SSRD CLK TRAP H
 SSRD MEM MGMT DET (1) H
 SSRD ENABLE MGMT (1) H
 SSRD SETMGMT HOLD L
 SSRD MGTTP DET H
 SSRD MEM MGMT TRAP L
 SSRD MGT TP DET DLY L

SSRE STROBE OK L
 SSRE WRITE MMRØ H
 SSRE MMRØ BITØ5 H
 SSRE MMRØ BITØ6 H
 SSRE CLK MMRØ L
 SSRE INSTR COM (1) H
 SSRE DST MODE (1) H
 SSRE RELOCATING (1) H
 SSRE RELOC L
 SSRE RELOC H
 SSRE MMRØ BITØ1 H
 SSRE MMRØ BITØ2 H
 SSRE MMRØ BITØ3 H
 SSRE MMRØ BITØ4 H

SSRF ONE AUTOED (1) H
 SSRF ONE AUTOED (Ø) H
 SSRF MMR1 BIT15 H

SSRJ
 SSRJ
 SSRJ
 SSRE (2) SSRF (2) SSRH
 TIGA
 SSRD
 SSRA (2)
 SAPD SSRD TMCC TMCE

 SSRD
 PDRH

 SSRD
 SSRD
 SSRJ
 SSRD SSRJ
 SSRD

 TMGA
 SSRD

SSRC
 SSRC SSRD
 SSRJ
 SSRJ
 SSRE
 SSRJ
 SSRJ
 SSRJ
 SSRJ
 SAPJ (2) SCCF
 SSRC (2) SSRD SSRE
 SSRJ
 SSRJ
 SSRJ
 SSRJ

SSRF
 SSRF
 SSRJ

SOURCE

DESTINATION

SSRF MMR1 BIT14 H
 SSRJ MMR1 BIT13 H
 SSRJ MMR1 BIT12 H
 SSRF MMR1 BIT11 H
 SSRF MMR1 BIT10 H
 SSRF MMR1 BIT09 H
 SSRF MMR1 BIT08 H
 SSRF MMR1 BIT07 H
 SSRF MMR1 BIT06 H
 SSRF MMR1 BIT05 H
 SSRF MMR1 BIT04 H
 SSRF MMR1 BIT03 H
 SSRF MMR1 BIT02 H
 SSRF MMR1 BIT01 H
 SSRF MMR1 BIT00 H

SSRJ
 SSRJ
 SSRJ
 SSRJ
 SSRJ
 SSRJ
 SSRJ
 SSRJ
 SSRJ
 SSRJ
 SSRJ
 SSRJ
 SSRJ
 SSRJ
 SSRJ

SSRH LOAD IR H
 SSRH VA15 CH
 SSRH VA14 CH
 SSRH VA13 CH
 SSRH VA02 CL
 SSRH VA02 CH
 SSRH VA01 CL
 SSRH VA01 CH
 SSRH MMR2 BIT15 H
 SSRH MMR2 BIT14 H
 SSRH MMR2 BIT13 H
 SSRH MMR2 BIT12 H
 SSRH MMR2 BIT11 H
 SSRH MMR2 BIT10 H
 SSRH MMR2 BIT09 H
 SSRH MMR2 BIT08 H
 SSRH MMR2 BIT07 H
 SSRH MMR2 BIT06 H
 SSRH MMR2 BIT05 H
 SSRH MMR2 BIT04 H
 SSRH MMR2 BIT03 H
 SSRH MMR2 BIT02 H
 SSRH MMR2 BIT01 H
 SSRH MMR2 BIT00 H

SSRF
 SCCA SSRE SSRH
 SCCA SSRE SSRH
 SCCA SSRE SSRH
 SSRC
 SSRH SSRJ (2)
 SSRJ
 SSRC SSRH SSRJ
 SSRJ
 SSRJ
 SSRJ
 SSRJ
 SSRJ
 SSRJ
 SSRJ
 SSRJ
 SSRJ
 SSRJ
 SSRJ
 SSRJ
 SSRJ
 SSRJ

SOURCE

DESTINATION

SSRJ GET OFF L
 BUS INTD 00 L
 BUS INTD 01 L
 BUS INTD 02 L
 BUS INTD 03 L
 BUS INTD 04 L
 BUS INTD 05 L
 BUS INTD 06 L
 BUS INTD 07 L
 BUS INTD 08 L
 BUS INTD 09 L
 BUS INTD 10 L
 BUS INTD 11 L
 BUS INTD 12 L
 BUS INTD 13 L
 BUS INTD 14 L
 BUS INTD 15 L

SCCC SCCM SCCN
 PDRA
 PDRA
 PDRA
 PDRA
 PDRA
 PDRA
 PDRA
 PDRA
 PDRA
 PDRA
 PDRA
 PDRA
 PDRA
 PDRA
 PDRA
 PDRA
 PDRA

SSRK TS4 H
 SSRK TS3 H
 SSRK PULSE BC45 H
 SSRK PULSE BC9 10 L
 SSRK PULSE BC89 H
 SSRK PULSE 51 H
 SSRK PULSE 23 H
 SSRK INITA B L
 SSRK INIT A L
 SSRK INIT B L
 SSRK CNSL I SPACE H
 SSRK CNSL USER H
 SSRK CNSL SUPER H
 SSRK CNSL PHYS DSPLY L
 SSRK CNSL KERNEL H
 SSRK CNSL PHYS ADRS H
 SSRK PRGM PHYS DSPLY L

SSRH
 SSRD
 SSRB
 SSRC
 SSRC (2) SSRD
 SSRF
 SSRA
 SSRD (3) SSRH
 SAPB SCCD
 SSRA SSRB (2) SSRC (3) SSRE
 SSRB
 SSRB
 SSRB
 SCCK
 SSRB
 SSRA
 SCCK (2)

MAPA ADRS17 H
 MAPA ADRA17 B H
 MAPA ADRS16 H
 MAPA ADRS16 B H

MAPB MAPC MAPE
 MAPF
 MAPB MAPC MAPE
 MAPF

SOURCE	DESTINATION
MAPA ADRS 15 H	MAPB MAPC MAPE
MAPA ADRS 15 B H	MAPF
MAPA ADRS 14 H	MAPB MAPC MAPE
MAPA ADRS 14 B H	MAPF
MAPA ADRS 13 H	MAPB MAPC MAPE
MAPA ADRS 13 B H	MAPF
MAPA ADRS 12 H	MAPB MAPE
MAPA ADRS 11 H	MAPB MAPE
MAPA ADRS 11 L	MAPB
MAPA ADRS 10 H	MAPB MAPE
MAPA ADRS 09 H	MAPB
MAPA ADRS 09 L	MAPB MAPE
MAPA ADRS 08 H	MAPB MAPE
MAPA ADRS 08 L	MAPB MAPE
MAPA ADRS 07 H	MAPB MAPE
MAPA ADRS 06 H	MAPB MAPC MAPE
MAPA ADRS 05 H	MAPB MAPC MAPE
MAPA ADRS 04 H	MAPC MAPE
MAPA ADRS 04 L	MAPB
MAPA ADRS 03 H	CCBF CCBH MAPB MAPC MAPE
MAPA ADRS 02 H	CCBF CCBH MAPB MPAC MAPE
MAPA ADRS 01 H	CCBF (2) CCBH MAPB MAPE
MAPA ADRS 01 L	MAPB MAPJ
MAPA ADRS 01 B H	MAPJ
MAPA CA00 H	ADME
MAPA DATA15 H	CCBJ CCBL CDPE
MAPA DATA14 H	CCBJ CCBL CDPE
MAPA DATA13 H	CCBJ CCBL CDPE
MAPA DATA12 H	CCBJ CCBL CDPE
MAPA DATA11 H	CCBJ CCBL CDPE
MAPA DATA10 H	CCBL CCBL CDPE
MAPA DATA09 H	CCBJ CCBL CDPE
MAPA DATA08 H	CCBJ CCBL CDPE
MAPA DATA07 H	CCBK CCBL CDPE
MAPA DATA06 H	CCBK CCBL CDPE
MAPA DATA05 H	CCBH CCBK CCBL CDPE MAPD
MAPA DATA04 H	CCBH CCBK CCBL CDPE MAPD
MAPA DATA03 H	CCBH CCBK CCBL CDPE
MAPA DATA02 H	CCBH CCBK CCBL CDPE
MAPA DATA01 H	CCBH CCBK CCBL CDPE
MAPA DATA00 H	CCBH CCBK CCBL CDPE
MAPA DATA15 L	MAPC MAPD
MAPA DATA14 L	MAPC MAPD
MAPA DATA13 L	MAPC MAPD

SOURCE

DESTINATION

MAPA DATA12 L
 MAPA DATA11 H
 MAPA DATA10 H
 MAPA DATA09 H
 MAPA DATA08 H
 MAPA DATA07 L
 MAPA DATA06 L
 MAPA DATA05 L
 MAPA DATA04 L
 MAPA DATA03 L
 MAPA DATA02 L
 MAPA DATA01 L
 MAPA DATA00 L

MAPC MAPD
 MAPC MAPD
 MACP MAPD
 MAPC MAPD
 MAPC (2) MAPD
 MAPC MAPD
 MAPC MAPD
 MAPC (2) MAPD
 MAPC (2) MAPD
 MAPC MAPD (3)
 MAPC (2) MAPD (2)
 MAPC (2) MAPD (2)
 MAPC MAPD

MAPB MSYNH
 MPAMSYN MAT H
 MAPB REG OP H
 MAPB REG OP L
 MAPB 77X (X1X)XX H
 MAPB CACHE REG L
 MAPB CACHE REG H
 MAPB TIMEOUT (0) H
 MAPB C1 H
 MAPB C0 H
 MAPB PB DATA H
 BUS PBL
 BUS SSYN
 MAPB REG SSYN L
 MAPB WRITE HI WORD L
 MAPB WRITE LO WORD L

MAPF MAPH MAPJ

 MAPC MAPJ
 MAPC MAPJ

 MAPF MAPH
 CCBC CCBD CCBH CCBJ

 ADMJMAPJ
 ADMJ
 CCBJ (2)

 MAPC MAPD
 MAPC MPAD

MAPC + D RA21 H
 MAPC + D RA20 H
 MAPC + D RA19 H
 MAPC + D RA18 H
 MAPC + D RA17 H
 MAPC + D RA16 H
 MAPC + D RA15 H
 MAPC + D RA14 H

MAPE MAPJ
 MAPE MAPJ
 MAPE MAPJ
 MAPE MAPJ
 MAPE MAPJ
 MAPE MAPJ
 MAPE MAPJ
 MAPE MAPJ

SOURCE

DESTINATION

MAPC + D RAØ8 H
 MAPC + D RAØ7 H
 MAPC + D RAØ6 H
 MAPC + D RAØ5 H
 MAPC + D RAØ4 H
 MAPC + D RAØ3 H
 MAPC + D RAØ2 H
 MAPC + D RAØ1 H

MAPE MAPJ
 MAPE MAPJ
 MAPE MAPJ
 MAPE MAPJ
 MAPE MAPJ
 MAPE MAPJ
 MAPE MAPJ
 MAPE MAPJ

MAPE CAØ1 H
 MAPE CAØ2 H
 MAPE CAØ3 H
 MAPE CAØ4 H
 MAPE CAØ5 H
 MAPE CAØ6 H
 MAPE CAØ7 H
 MAPE CAØ8 H
 MAPE COUT2 L
 MAPE CAØ9 H
 MAPE CA1Ø H
 MAPE CA11 H
 MAPE CA12 H
 MAPE CA13 H
 MAPE CA14 H
 MAPE CA15 H
 MAPE CA16 H
 MAPE COUT4 L
 MAPE CA17 H
 MAPE CA18 H
 MAPE CA19 H
 MAPE CA20 H
 MAPE CA21 H

ADME
 ADME
 ADME
 ADME
 ADME
 ADME
 ADME
 ADME
 MAPE
 ADME
 ADME
 ADME
 ADME
 ADME
 ADME
 ADME
 MAPE
 ADMF
 ADMF
 ADMF
 ADMF
 ADMF

MAPF UP LIMOK H
 MAPF LO LIMOK H
 MAPF CACHE BUS ADRS L
 MAPF UB REQUEST H
 MAPF PAR ADRS OK 4
 MAPF UB REQUEST (1) L

MAPF

 MAPJ

 MAPB
 CCBB

SOURCE

DESTINATION

MAPH CA DATA15 (1) H	MAPJ
MAPH CA DATA14 (1) H	MAPJ
MAPH CA DATA13 (1) H	MAPJ
MAPH CA DATA12 (1) H	MAPJ
MAPH CA DATA 11 (1) H	MAPJ
MAPH CA DATA 10 (1) H	MAPJ
MAPH CA DATA 09 (1) H	MAPJ
MAPH CA DATA 08 (1) H	MAPJ
MAPH CA DATA 07 (1) H	MAPJ
MAPH CA DATA 06 (1) H	MAPJ
MAPH CA DATA 05 (1) H	MAPJ
MAPH CA DATA 04 (1) H	MAPJ
MAPH CA DATA 03 (1) H	MAPJ
MAPH CA DATA 02 (1) H	MAPJ
MAPH CA DATA 01 (1) H	MAPJ
MAPH CA DATA 00 (1) H	MAPJ
MAPH PAR ERR (1) H	MAPB

MAPJ EN BUS H	MAPB
BUS D00 L	----
BUS D01 L	----
BUS D02 L	----
BUS D03 L	----
BUS D04 L	----
BUS D05 L	----
BUS D06 L	----
BUS D07 L	----
BUS D08 L	----
BUS D09 L	----
BUS D10 L	----
BUS D11 L	----
BUS D12 L	----
BUS D13 L	----
BUS D14 L	----
BUS D15 L	----

