

(AA1) EBUS D21 L/C	(BA1) EBUS D35 L/C	(CA1) SPARE PIN30 EBUS/C	(DA1) SPARE PIN38 EBUS/C
(AA2) GND/G	(BA2) GND/G	(CA2) GND/G	(DA2) GND/G
(AB1) SPARE PIN2 EBUS/C	(BB1) GND/G	(CB1) SPARE PIN32 EBUS/C	(DB1) SPARE PIN40 EBUS/C
(AB2) GND/G	(BB2) GND/G	(CB2) GND/G	(DB2) GND/G
(AC1) SPARE PIN3 EBUS/C	(BC1) EBUS D32 L/C	(CC1) EBUS D24 L/C	(DC1) SPARE PIN41 EBUS/C
(AC2) GND/G	(BC2) GND/G	(CC2) GND/G	(DC2) GND/G
(AD1) EBUS P107 L/C	(BD1) GND/G	(CD1) SPARE PIN33 EBUS/C	(DD1) GND/G
(AD2) SPARE PIN4 EBUS/C	(BD2) EBUS D22 L/C	(CD2) SPARE PIN34 EBUS/C	(DE1) GND/G
(AE1) EBUS P106 L/C	(BE1) GND/G	(CE1) CDS1 EBUS DEMAND 15 L/C	(DE2) SPARE PIN42 EBUS/C
(AE2) SPARE PIN5 EBUS/C	(BE2) EBUS D31 L/C	(CE2) SPARE PIN35 EBUS/C	(DE1) GND/G
(AF1) EBUS P104 L/C	(BF1) EBUS RESET L/C	(CF1) SPARE PIN36 EBUS/C	(DF1) SPARE PIN44 EBUS/C
(AF2) EBUS P103 L/C	(BF2) EBUS D27 L/C	(CF2) SPARE PIN37 EBUS/C	(DF2) GND/G
(AH1) SPARE PIN6 EBUS/C	(BH1) EBUS D26 L/C	(CH1) EBUS D23 L/C	(DH1) SPARE PIN46 EBUS/C
(AH2) EBUS DATA DISABLE L/C	(BH2) EBUS D20 L/C	(CH2) EBUS D15 L/C	(DH2) EBUS F01 L/C
(AJ1) EBUS P101 L/C	(BJ1) CL1 EBUS XFER 15 L/C	(CJ1) EBUS D28 L/C	(DJ1) GND/G
(AJ2) EBUS P102 L/C	(BJ2) CDS1 EBUS CLK 15 L/C	(CJ2) EBUS D01 L/C	(DJ2) GND/G
(AW1) SPARE PIN7 EBUS/C	(BK1) SPARE PIN18 EBUS/C	(CK1) EBUS D06 L/C	(DK1) GND/G
(AK2) EBUS P105 L/C	(BK2) SPARE PIN19 EBUS/C	(CK2) EBUS D13 L/C	(DK2) EBUS F00 L/C
(AL1) EBUS D33 L/C	(BL1) SPARE PIN20 EBUS/C	(CL1) EBUS D17 L/C	(DL1) EBUS F02 L/C
(AL2) SPARE PIN8 EBUS/C	(BL2) SPARE PIN21 EBUS/C	(CL2) EBUS D08 L/C	(DL2) GND/G
(AM1) EBUS D34 L/C	(BM1) EBUS D10 L/C	(CM1) EBUS D14 L/C	(DM1) EBUS ACKN L/C
(AM2) SPARE PIN9 EBUS/C	(BM2) SPARE PIN22 EBUS/C	(CM2) EBUS D05 L/C	(DM2) EBUS C506 L/C
(AN1) GND/G	(BN1) EBUS D11 L/C	(CN1) GND/G	(DN1) GND/G
(AN2) EBUS D30 L/C	(BN2) SPARE PIN23 EBUS/C	(CN2) EBUS D00 L/C	(DN2) GND/G
(AP1) GND/G	(BP1) EBUS D12 L/C	(CP1) GND/G	(DP1) EBUS C505 L/C
(AP2) EBUS D29 L/C	(BP2) SPARE PIN24 EBUS/C	(CP2) EBUS D19 L/C	(DP2) EBUS C504 L/C
(AR1) GND/G	(BR1) SPARE PIN25 EBUS/C	(CR1) GND/G	(DR1) EBUS C503 L/C
(AR2) SPARE PIN10 EBUS/C	(BR2) SPARE PIN26 EBUS/C	(CR2) EBUS D03 L/C	(DR2) EBUS C502 L/C
(AS1) GND/G	(BS1) EBUS D09 L/C	(CS1) GND/G	(DS1) EBUS C501 L/C
(AS2) SPARE PIN11 EBUS/C	(BS2) SPARE PIN27 EBUS/C	(CS2) EBUS D18 L/C	(DS2) EBUS DIAG STROBE L/C
(AT1) GND/G	(BT1) GND/G	(CT1) GND/G	(DT1) GND/G
(AT2) SPARE PIN12 EBUS/C	(BT2) SPARE PIN28 EBUS/C	(CT2) EBUS PARITY L/C	(DT2) GND/G
(AU1) SPARE PIN13 EBUS/C	(BU1) SPARE PIN29 EBUS/C	(CU1) EBUS D04 L/C	(DU1) GND/G
(AU2) SPARE PIN14 EBUS/C	(BU2) EBUS D25 L/C	(CU2) EBUS D16 L/C	(DU2) EBUS D505 L/C
(AV1) SPARE PIN15 EBUS/C	(BV1) EBUS D02 L/C	(CV1) EBUS D07 L/C	(DV1) EBUS C500 L/C
(AV2) GND/G	(BV2) GND/G	(CV2) GND/G	(DV2) GND/G

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REVISIONS		
CHK	CHANGE NO.	REV

d	i	g	i	t	a
EBUS(4,426)					
FIRST USED ON OPTI					

DRN: J. Toonhy
CHK'D: R. Stephenson
16-OCT-75
ON MODEL: KL 1

DATE 17-OCT-75	ENG. <i>N. Bruchert</i>	DATE 10/20/75
DATE 10/20/75	BOARD LOCATION:	
10:44	SHEET	OF
NEXT HIGHER ASSEMBLY:		
0	B-DD-KL10-0	

M9006
C54

CA1	o	GND\G#18\
CA2	o	GND\G#18\
CA3	o	GND\G#18\
CA4	o	GND\G#18\
CA5	o	EBUS D08 L\#5\
CA6	o	GND\G#18\
CA7	o	CBUS LAST WORD H\#5\
CA8	o	GND\G#18\
CA9	o	CBUS D25 H\#5\
CA10	o	CBUS READY H\#5\
CA11	o	CBUS D28 H\#5\
CA12	o	GND\G#18\
CA13	o	GND\G#18\
CA14	o	CBUS D35 H\#5\
CA15	o	CBUS D29 H\#5\
CA16	o	CBUS D31 H\#5\
CA17	o	GND\G#18\
CA18	o	GND\G#18\
CA19	o	CBUS D27 H\#5\
CA20	o	CBUS D32 H\#5\
CA21	o	CBUS D26 H\#5\
CA22	o	CBUS D33 H\#5\
CA23	o	CBUS D22 H\#5\
CA24	o	GND\G#18\
CA25	o	GND\G#18\
CA26	o	CBUS D19 H\#5\
CA27	o	CBUS REQUEST L\#5\
CA28	o	CBUS D20 H\#5\
CA29	o	CBUS CTOM L\#5\
CA30	o	CBUS ERROR H\#5\
CA31	o	GND\G#18\
CA32	o	CBUS D21 H\#5\
CA33	o	GND\G#18\
CA34	o	CBUS D18 H\#5\
CA35	o	GND\G#18\
CA36	o	GND\G#18\

M9006
D54

DA1	o	GND\G#18\
DA2	o	GND\G#18\
DA3	o	GND\G#18\
DA4	o	GND\G#18\
DA5	o	CBUS D14 H\#5\
DA6	o	GND\G#18\
DA7	o	CBUS D05 H\#5\
DA8	o	GND\G#18\
DA9	o	CBUS D04 H\#5\
DA10	o	CBUS D12 H\#5\
DA11	o	CBUS D10 H\#5\
DA12	o	GND\G#18\
DA13	o	GND\G#18\
DA14	o	CBUS D09 H\#5\
DA15	o	CBUS D07 H\#5\
DA16	o	CBUS D08 H\#5\
DA17	o	GND\G#18\
DA18	o	GND\G#18\
DA19	o	CBUS D02 H\#5\
DA20	o	CBUS D03 H\#5\
DA21	o	CBUS PARITY LEFT H\#5\
DA22	o	CBUS START L\#5\
DA23	o	CBUS DONE L\#5\
DA24	o	GND\G#18\
DA25	o	GND\G#18\
DA26	o	CBUS D16 H\#5\
DA27	o	CBUS D17 H\#5\
DA28	o	CBUS RESET L\#5\
DA29	o	CBUS STORE L\#5\
DA30	o	CBUS PARITY RIGHT H\#5\
DA31	o	GND\G#18\
DA32	o	CBUS D30 H\#5\
DA33	o	GND\G#18\
DA34	o	CBUS D23 H\#5\
DA35	o	GND\G#18\
DA36	o	GND\G#18\

M9006
E54

EA1	o	GND\G#18\
EA2	o	GND\G#18\
EA3	o	GND\G#18\
EA4	o	GND\G#18\
EA5	o	CBUS SEL 0 H\#5\
EA6	o	GND\G#18\
EA7	o	CBUS SEL 1 H\#5\
EA8	o	GND\G#18\
EA9	o	CBUS SEL 2 H\#5\
EA10	o	CBUS SEL 3 H\#5\
EA11	o	CBUS SEL 4 H\#5\
EA12	o	GND\G#18\
EA13	o	GND\G#18\
EA14	o	CBUS SEL 5 H\#5\
EA15	o	CBUS SEL 6 H\#5\
EA16	o	CBUS SEL 7 H\#5\
EA17	o	GND\G#18\
EA18	o	GND\G#18\
EA19	o	CBUS D34 H\#5\
EA20	o	CBUS D24 H\#5\
EA21	o	CBUS D01 H\#5\
EA22	o	CBUS D06 H\#5\
EA23	o	CBUS D13 H\#5\
EA24	o	GND\G#18\
EA25	o	GND\G#18\
EA26	o	CBUS D11 H\#5\
EA27	o	CBUS D15 H\#5\
EA28	o	CBUS D00 H\#5\
EA29	o	CBUS D12 L\#5\
EA30	o	EBUS D502 L\#5\
EA31	o	GND\G#18\
EA32	o	EBUS D500 L\#5\
EA33	o	GND\G#18\
EA34	o	EBUS PARITY L\#5\
EA35	o	GND\G#18\
EA36	o	GND\G#18\

M9006
D24

DA1	o	GND\G#18\
DA2	o	GND\G#18\
DA3	o	GND\G#18\
DA4	o	GND\G#18\
DA5	o	EBUS D11 L\#5\
DA6	o	GND\G#18\
DA7	o	EBUS D13 L\#5\
DA8	o	GND\G#18\
DA9	o	EBUS P100 L\#5\
DA10	o	EBUS REMOVE D5 STATUS L\#5\
DA11	o	EBUS RESET L\#5\
DA12	o	GND\G#18\
DA13	o	GND\G#18\
DA14	o	EBUS D505 L\#5\
DA15	o	CBUS SPARE 5 H\#5\
DA16	o	EBUS PARITY ACTIVE L\#5\
DA17	o	GND\G#18\
DA18	o	GND\G#18\
DA19	o	EBUS D503 L\#5\
DA20	o	EBUS XFER A L\#5\
DA21	o	EBUS SPARE DR 3 L\#400\
DA22	o	EBUS SPARE DR 2 L\#400\
DA23	o	EBUS SPARE DR 1 L\#400\
DA24	o	GND\G#18\
DA25	o	GND\G#18\
DA26	o	EBUS DEMAND A L\#5\
DA27	o	EBUS CLK A L\#5\
DA28	o	EBUS 10/11 CLK A L\#5\
DA29	o	CBUS SPARE 1 H\#5\
DA30	o	CBUS SPARE 2 H\#5\
DA31	o	GND\G#18\
DA32	o	CBUS SPARE 3 H\#5\
DA33	o	GND\G#18\
DA34	o	GND\G#18\
DA35	o	CROBAR L\#5\
DA36	o	GND\G#18\
DA37	o	GND\G#18\

OPTION	CABLE LOCATION
KL10	4CF01
DTE20(KNO RH20)	2CF10
DTE20 & RH20	2CF37

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REVISIONS		
CHK	CHANGE NO.	REV

digital	DATE 11-OCT-75	ENG. 10	DATE 20-OCT-75	TITLE: EBUS+CBUS CABLES I/O TO CPU
	CHK. 0	DATE 20-OCT-75	BOARD LOCATION: 1	
FIRST USED ON OPTION/MODEL: KL10		NEXT HIGHER ASSEMBLY: B-DD-KL10-0		SIZE CODE D IC KL10-0-IOC2

BC20C/
M9006

AA1 [B,NC,GND TTL\G#18\]
AB1 [B,NC,GND TTL\G#18\]
AC1 SBUS(N) D00 L\N
AD1 SBUS(N) D18 L\N
AE1 SBUS(N) D01 L\N
AF1 SBUS(N) D19 L\N
AH1 GND TTL\G#18\
AJ1 SBUS(N) D02 L\N
AK1 NC
AL1 SBUS(N) D20 L\N
AM1 SBUS(N) D03 L\N
AN1 SBUS(N) D21 L\N
AP1 GND TTL\G#18\
AR1 SBUS(N) ADR PAR ERR L\N
AS1 SBUS(N) SPARE LINE #1\N
AT1 GND TTL\G#18\
AU1 [B,NC,GND TTL\G#18\]
AV1 [B,NC,GND TTL\G#18\]
BA1 [B,NC,GND TTL\G#18\]
BB1 [B,NC,GND TTL\G#18\]
BC1 SBUS(N) D04 L\N
BD1 SBUS(N) D22 L\N
BE1 SBUS(N) D05 L\N
BF1 SBUS(N) D23 L\N
BH1 GND TTL\G#18\
BJ1 SBUS(N) D06 L\N
BK1 NC
BL1 SBUS(N) D24 L\N
BM1 SBUS(N) D07 L\N
BN1 SBUS(N) D25 L\N
BP1 GND TTL\G#18\
BR1 SBUS(N) D08 L\N
BS1 SBUS(N) D26 L\N
BT1 GND TTL\G#18\
BU1 [B,NC,GND TTL\G#18\]
BV1 [B,NC,GND TTL\G#18\]

AA2 [B,NC,GND TTL\G#18\]
AB2 [B,NC,GND TTL\G#18\]
AC2 GND TTL\G#18\
AD2 GND TTL\G#18\
AE2 SBUS(N) ADR 14 L\N
AF2 GND TTL\G#18\
AH2 SBUS(N) ADR 15 L\N
AJ2 SBUS(N) ADR 16 L\N
AK2 GND TTL\G#18\
AL2 SBUS(N) ADR 17 L\N
AM2 SBUS(N) ADR 18 L\N
AN2 GND TTL\G#18\
AP2 SBUS(N) ADR 19 L\N
AR2 SBUS(N) ADR 20 L\N
AS2 SBUS(N) ADR 21 L\N
AT2 SBUS(N) ADR 22 L\N
AU2 SBUS(N) ADR 23 L\N
AV2 GND TTL\G#18\
BA2 [B,NC,GND TTL\G#18\]
BB2 [B,NC,GND TTL\G#18\]
BC2 GND TTL\G#18\
BD2 GND TTL\G#18\
BE2 SBUS(N) ADR 24 L\N
BF2 GND TTL\G#18\
BH2 SBUS(N) ADR 25 L\N
BJ2 SBUS(N) ADR 26 L\N
BK2 GND TTL\G#18\
BL2 SBUS(N) ADR 27 L\N
BM2 SBUS(N) ADR 28 L\N
BN2 GND TTL\G#18\
BP2 SBUS(N) ADR 29 L\N
BR2 SBUS(N) ADR 30 L\N
BS2 SBUS(N) ADR 31 L\N
BT2 SBUS(N) ADR 32 L\N
BU2 SBUS(N) ADR 33 L\N
BV2 GND TTL\G#18\

OPTION	CABLE LOCATION	VARIABLE
KL10	4AD02 4AD03	N = 0 N = 1
MA20	(3,5)AD01 (3,5)AD04	N = 0,1 N = 0,1
DNA20	1AD01 NONE	N = 0 N = 1

BC20C/
M9006

CA1 [B,NC,GND TTL\G#18\]
CB1 [B,NC,GND TTL\G#18\]
CC1 SBUS(N) MEM RESET L\N
CD1 SBUS(N) D30 L\N
CE1 SBUS(N) D09 L\N
CF1 SBUS(N) D27 L\N
CH1 GND TTL\G#18\
CJ1 SBUS(N) D10 L\N
CK1 NC
CL1 SBUS(N) D28 L\N
CM1 SBUS(N) D11 L\N
CN1 SBUS(N) D29 L\N
CP1 GND TTL\G#18\
CR1 SBUS(N) D12 L\N
CS1 CROBAR L\N
CT1 GND TTL\G#18\
CU1 [B,NC,GND TTL\G#18\]
CV1 [B,NC,GND TTL\G#18\]
DA1 [B,NC,GND TTL\G#18\]
DB1 [B,NC,GND TTL\G#18\]
DC1 SBUS(N) D13 L\N
DD1 SBUS(N) D31 L\N
DE1 SBUS(N) D14 L\N
DF1 SBUS(N) D32 L\N
DH1 GND TTL\G#18\
DJ1 SBUS(N) D15 L\N
DK1 NC
DL1 SBUS(N) D33 L\N
DM1 SBUS(N) D16 L\N
DN1 SBUS(N) D34 L\N
DP1 GND TTL\G#18\
DR1 SBUS(N) D17 L\N
DS1 SBUS(N) D35 L\N
DT1 GND TTL\G#18\
DU1 [B,NC,GND TTL\G#18\]
DV1 [B,NC,GND TTL\G#18\]

CA2 [B,NC,GND TTL\G#18\]
CB2 [B,NC,GND TTL\G#18\]
CC2 GND TTL\G#18\
CD2 GND TTL\G#18\
CE2 SBUS(N) ADR 34 L\N
CF2 GND TTL\G#18\
CH2 SBUS(N) ADR 35 L\N
CJ2 SBUS(N) ADR PAR L\N
CK2 GND TTL\G#18\
CL2 SBUS(N) WR RQ L\N
CM2 SBUS(N) RD RQ L\N
CN2 GND TTL\G#18\
CP2 SBUS(N) DATA PAR L\N
CR2 SBUS(N) CLK INT L\N
CS2 SBUS(N) RQ 3 L\N
CT2 SBUS(N) RQ 2 L\N
CU2 SBUS(N) CLK (N+1,SPARE\#400\,EXT) L\N
CV2 GND TTL\G#18\
DA2 [B,NC,GND TTL\G#18\]
DB2 [B,NC,GND TTL\G#18\]
DC2 GND TTL\G#18\
DD2 GND TTL\G#18\
DE2 SBUS(N) RQ 1 L\N
DF2 GND TTL\G#18\
DH2 SBUS(N) RQ 0 L\N
DJ2 SBUS(N) ERROR L\N
DK2 GND TTL\G#18\
DL2 SBUS(N) DIAG H\N
DM2 SBUS(N) START A H\N
DN2 GND TTL\G#18\
DP2 SBUS(N) START B H\N
DR2 SBUS(N) DATA VALID A L\N
DS2 SBUS(N) DATA VALID B L\N
DT2 SBUS(N) ACKN B L\N
DU2 SBUS(N) ACKN A L\N
DV2 GND TTL\G#18\

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REVISIONS		
CHK	CHANGE NO.	REV.

digital

DATE 21-OCT-75	ENG. J. J. J.	DATE 21-OCT-75	TITLE: SBUS CABLE MEMORY TO CPU
DATE 21-OCT-75	CHKD. J. J. J.	DATE 21-OCT-75	BOARD LOCATION: 1 OF 1
SHEET 1 OF 1		NEXT HIGHER ASSEMBLY: B-DD-KL10-0	
FIRST USED ON OPTION/MODEL: KL10		SIZE CODE D IC	NUMBER KL10-0-SBUS