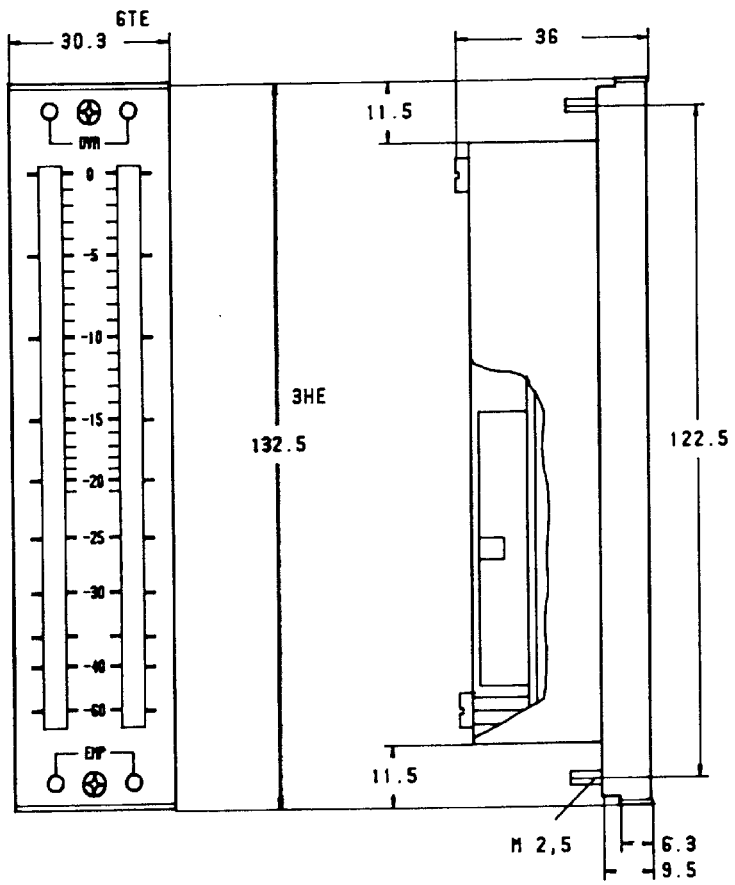
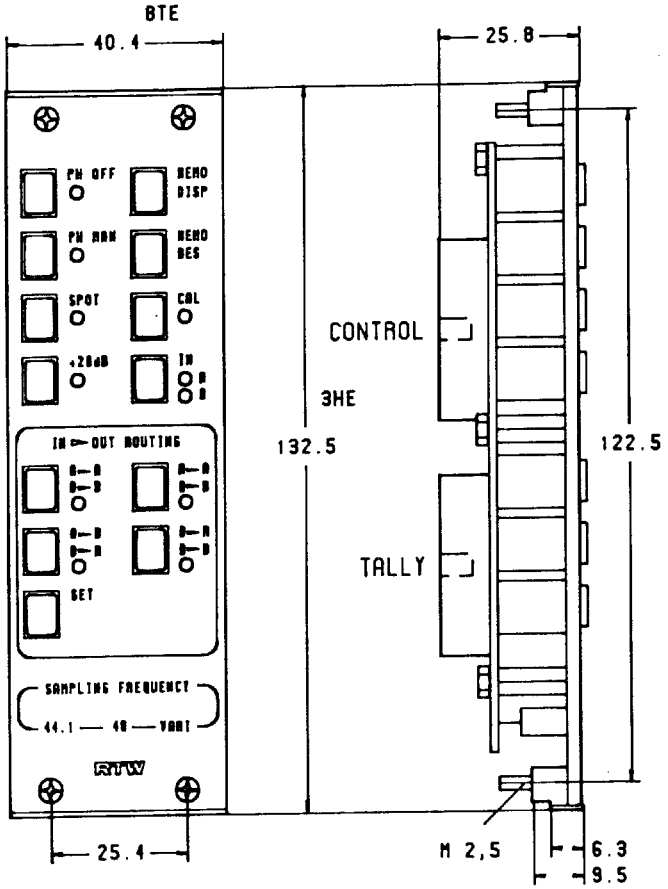
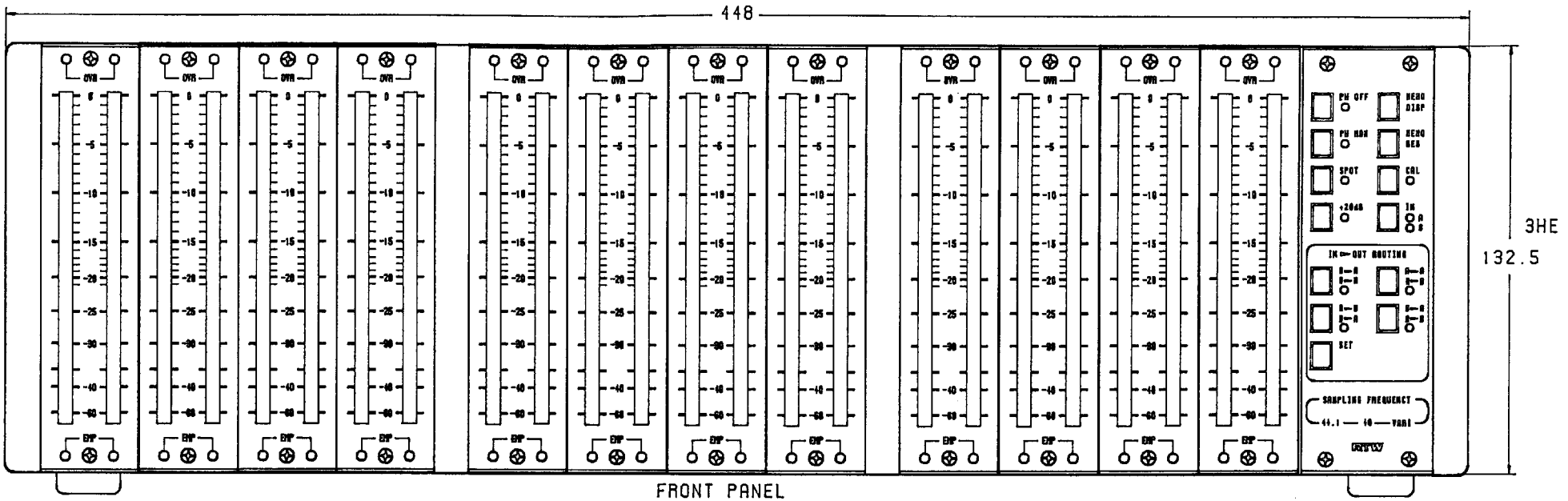
DISPLAYPANEL 13219

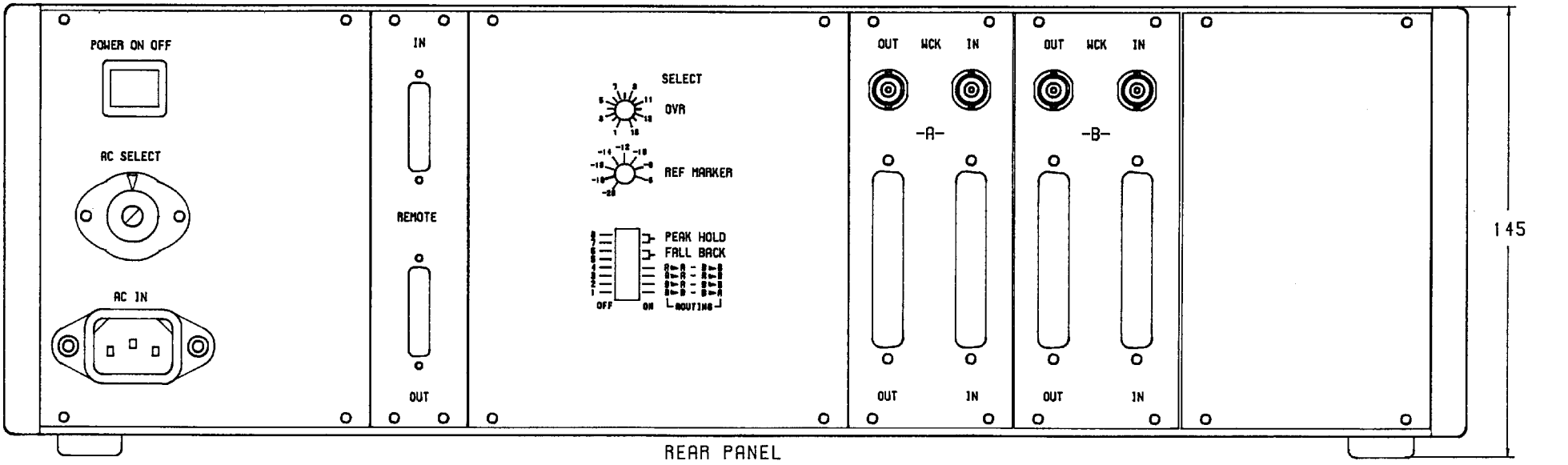


CONTROLPANEL 13220



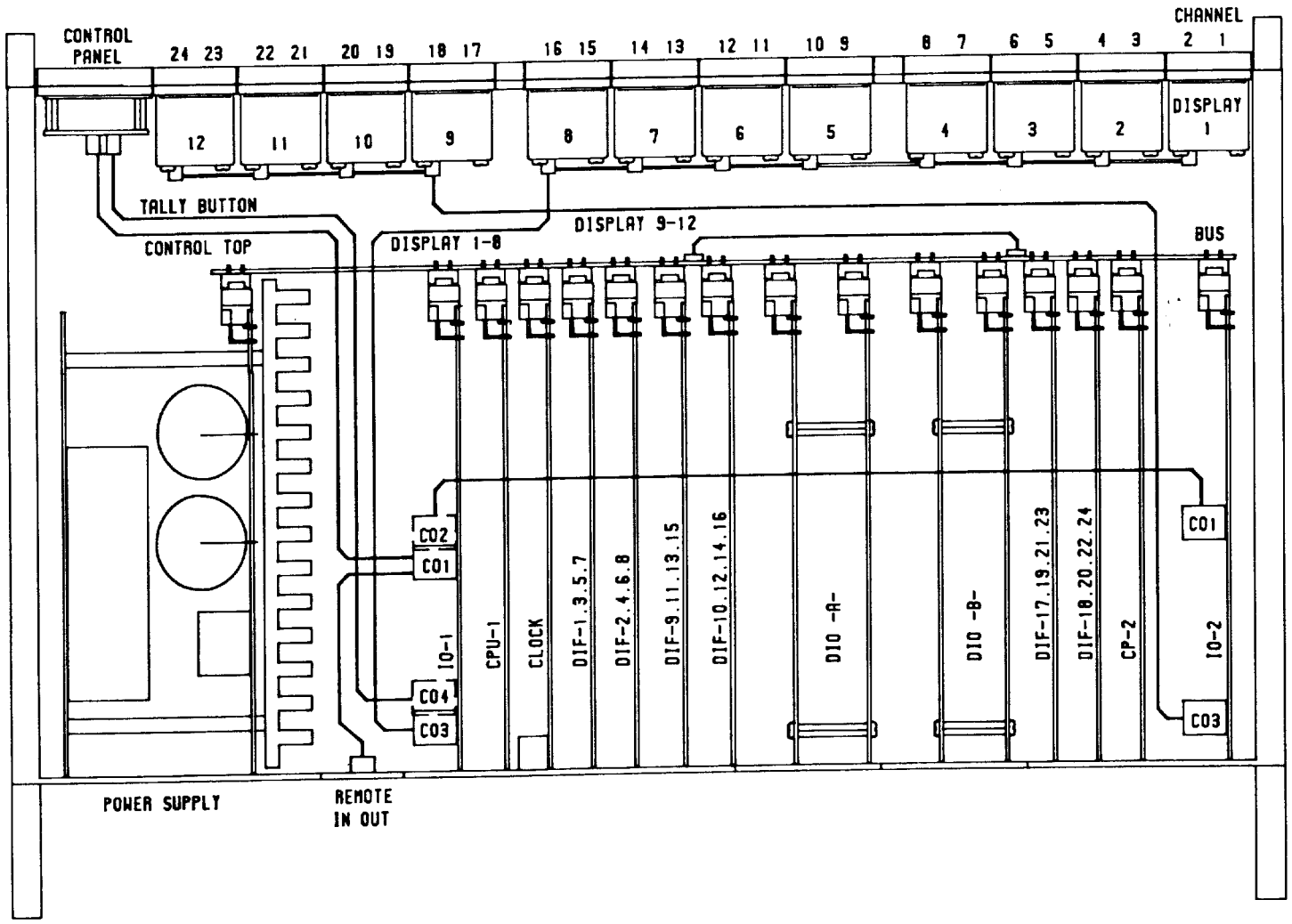
		OUTLINES 1190
Datum	Name	DISPLAYPANEL 13219 CONTROLPANEL 13220
6.89	BO.	
RTW	RADIO-TECHNISCHE WERKSTATTEN GMBH	Blatt





DEEPTH: 250 mm (300 including handles and connectors)

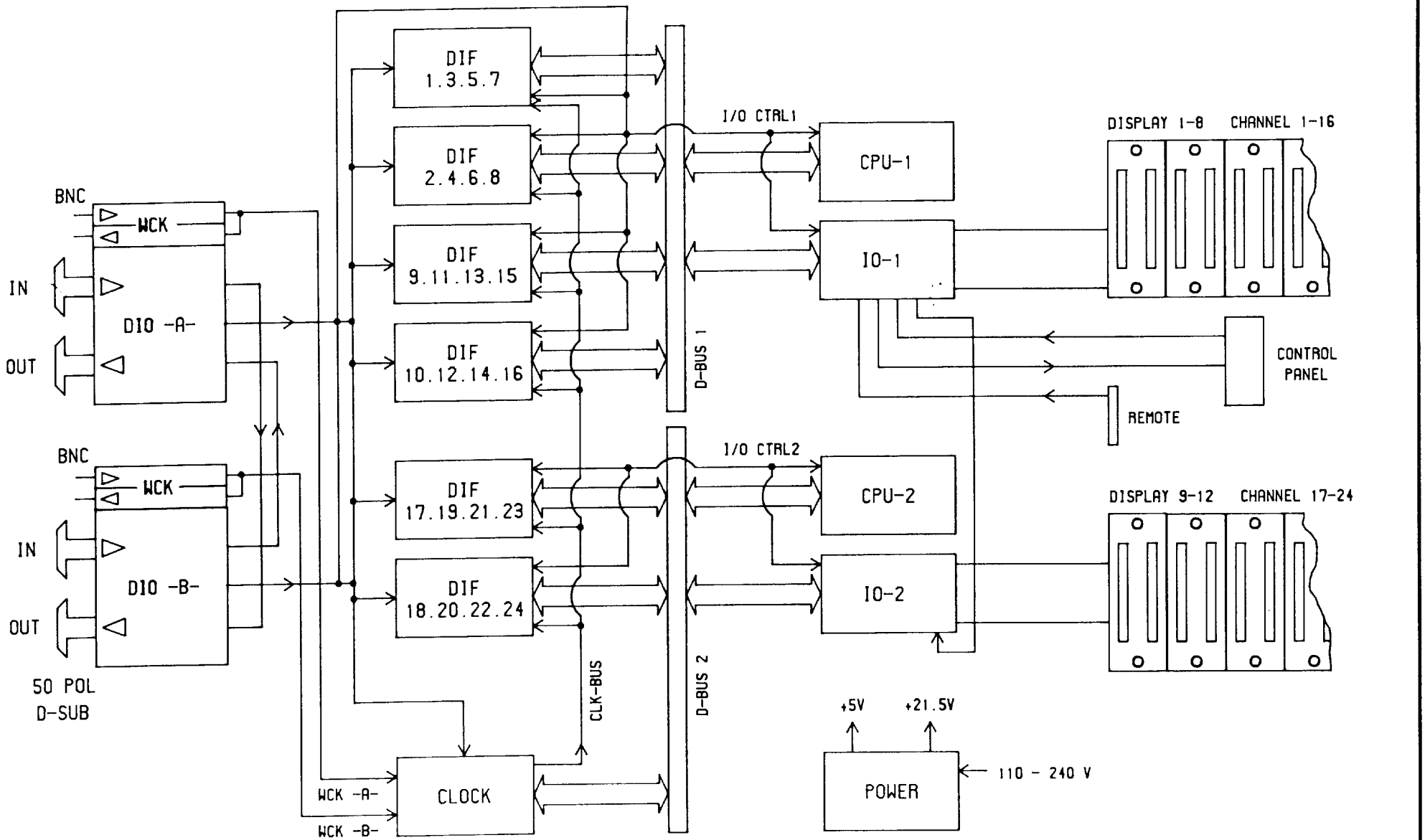
	1190 DMS OUTLINES
RTW	RADIO-TECHNISCHE WERKSTATTEN GMBH



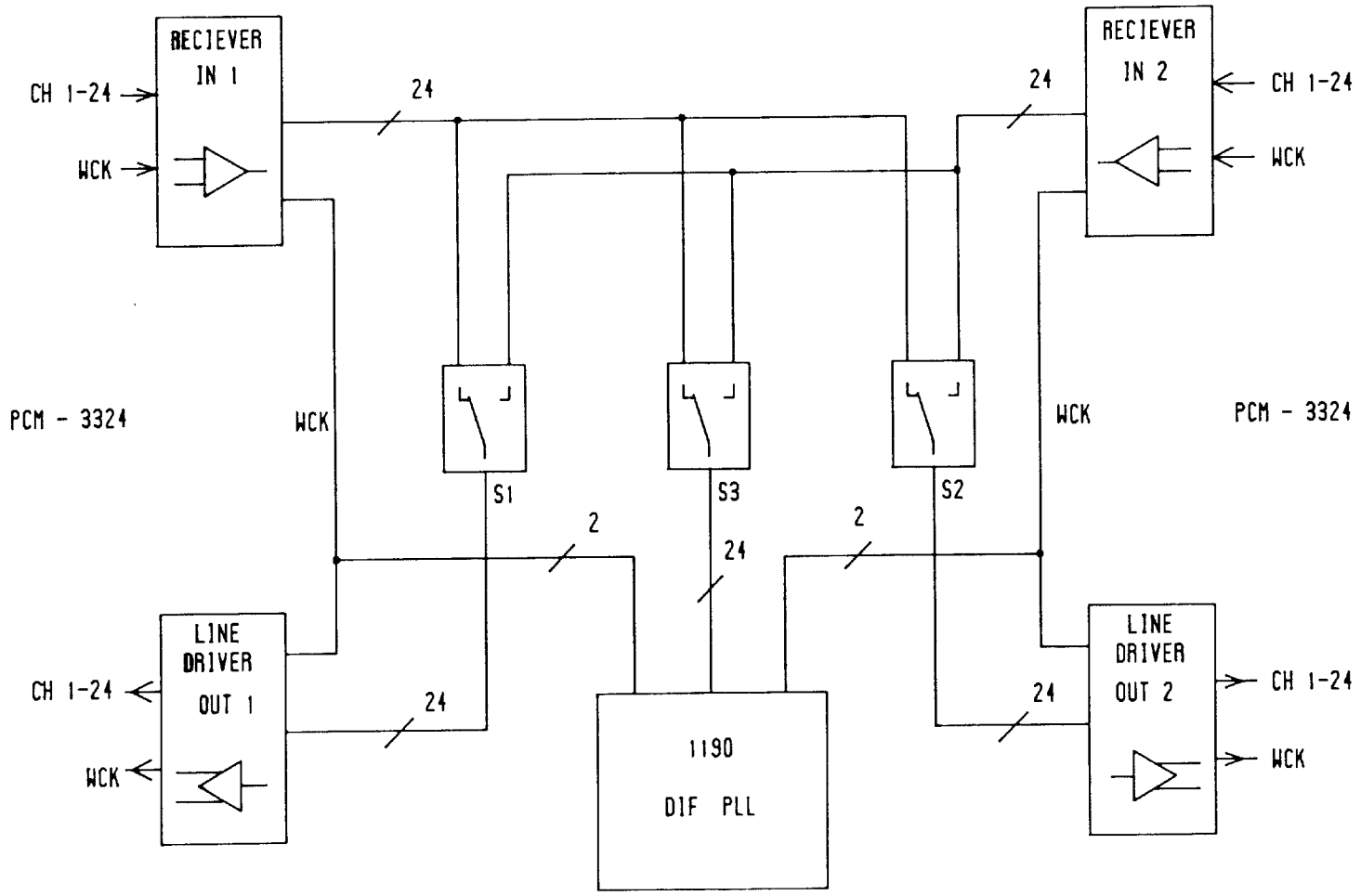
DESCRIPTION	ASST - NO.
CONTROL PANEL	13220
DISPLAY PANEL	13219
POWER SUPPLY	13214
IO-1	13212
CPU-1	13201
CLOCK	13212
DIF 1.3.5.7	13211
DIF 2.4.6.8	13211
DIF 9.11.13.15	13211
DIF 10.12.14..16	13211
DIO -A-	13217
DIO -B-	13217
DIF 17.19.21.23	13211
DIF 18.20.22.24	13211
CPU-2	13201
IO-2	13212

CONNECTOR	POL
CO 1	20
CO 2	20
CO 3	34
CO 4	20

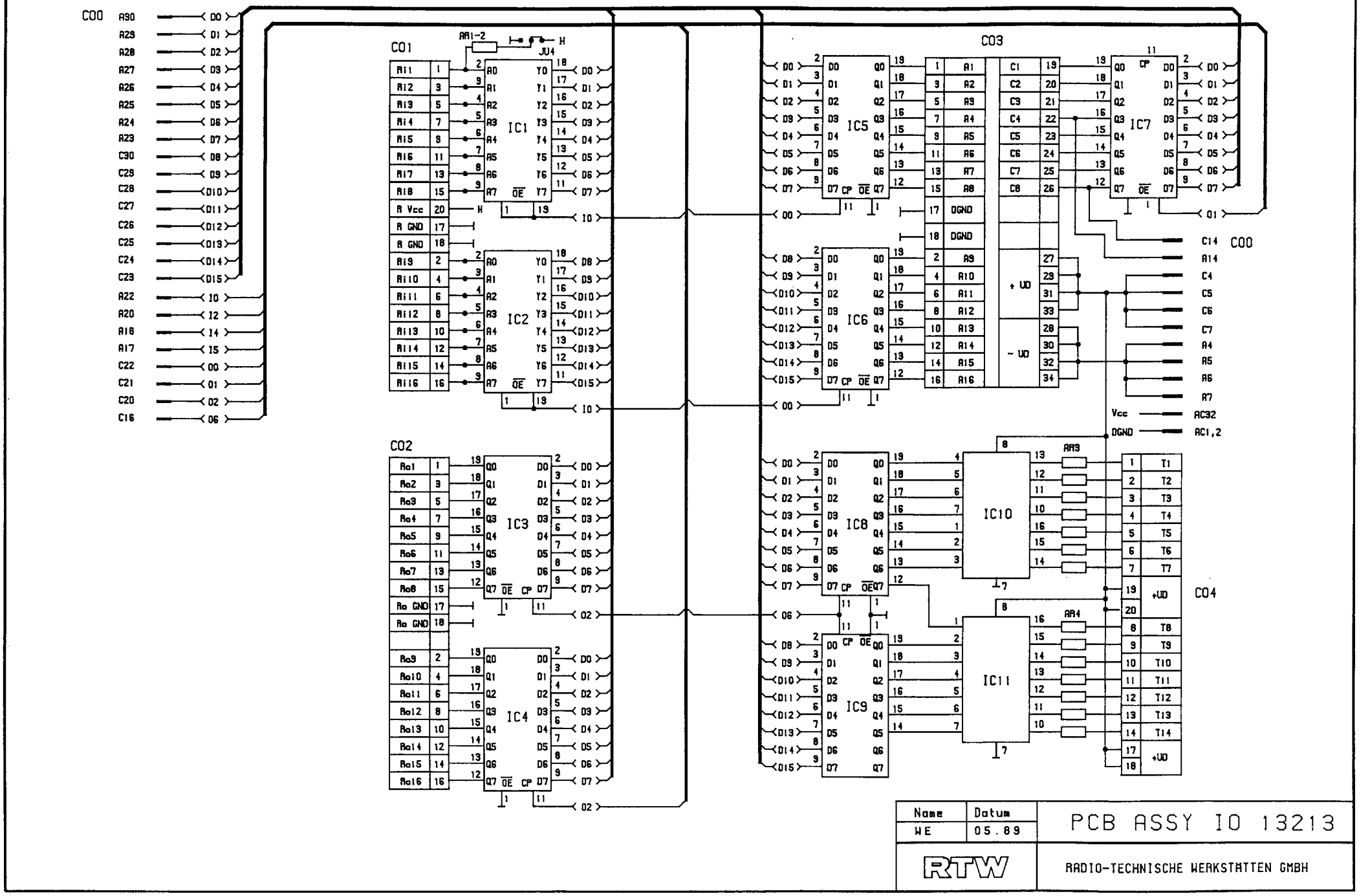
Datum	Name	1190 PCB POSITIONS	
8.89	Ba.		
RTW		RADIO-TECHNISCHE WERKSTATTEN GMBH	Blatt

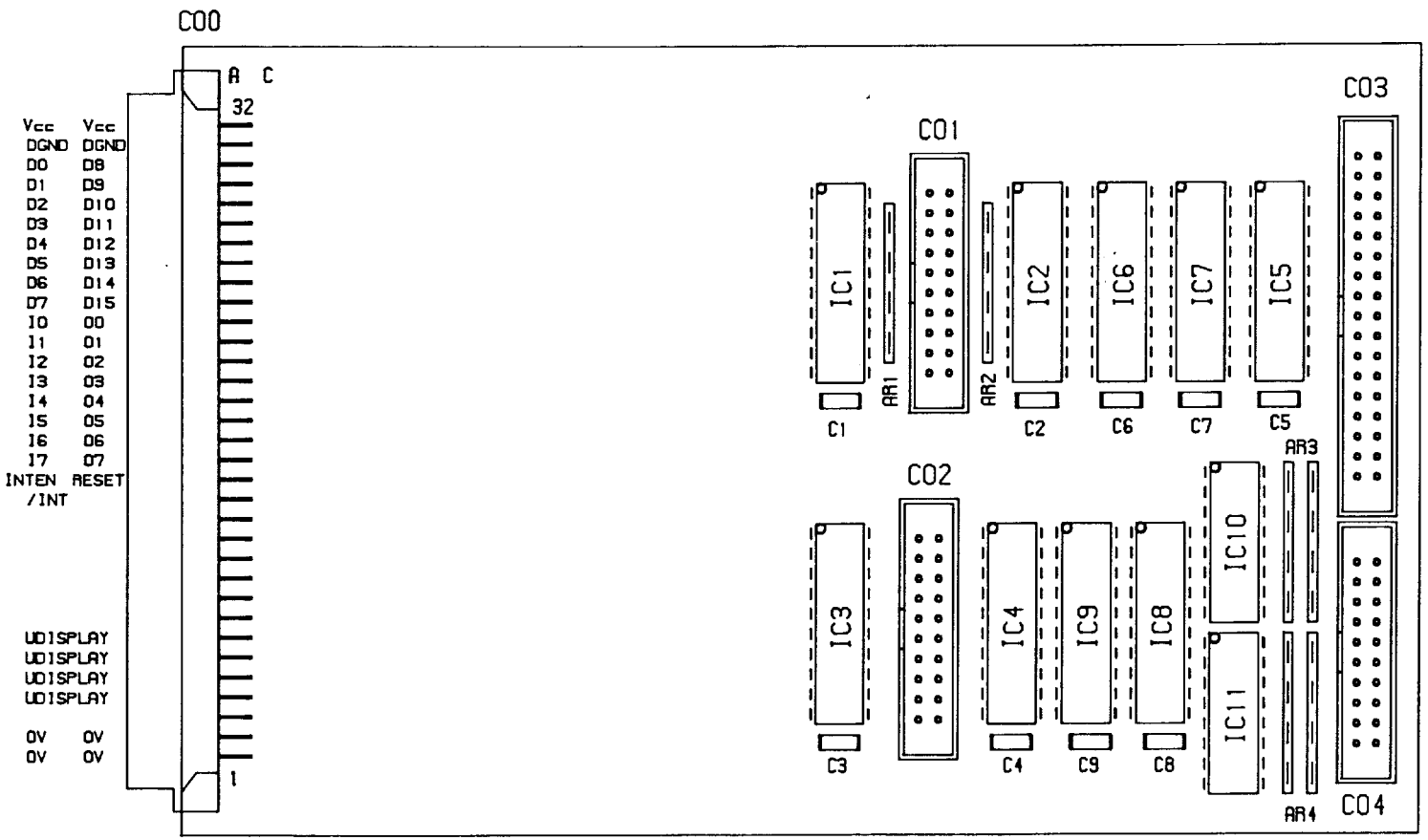


Bearb.	Datum	BLOCK DIAGRAM 1190
BO.	8.89	
RTW	RADIO-TECHNISCHE WERKSTATTEN GMBH	Blatt

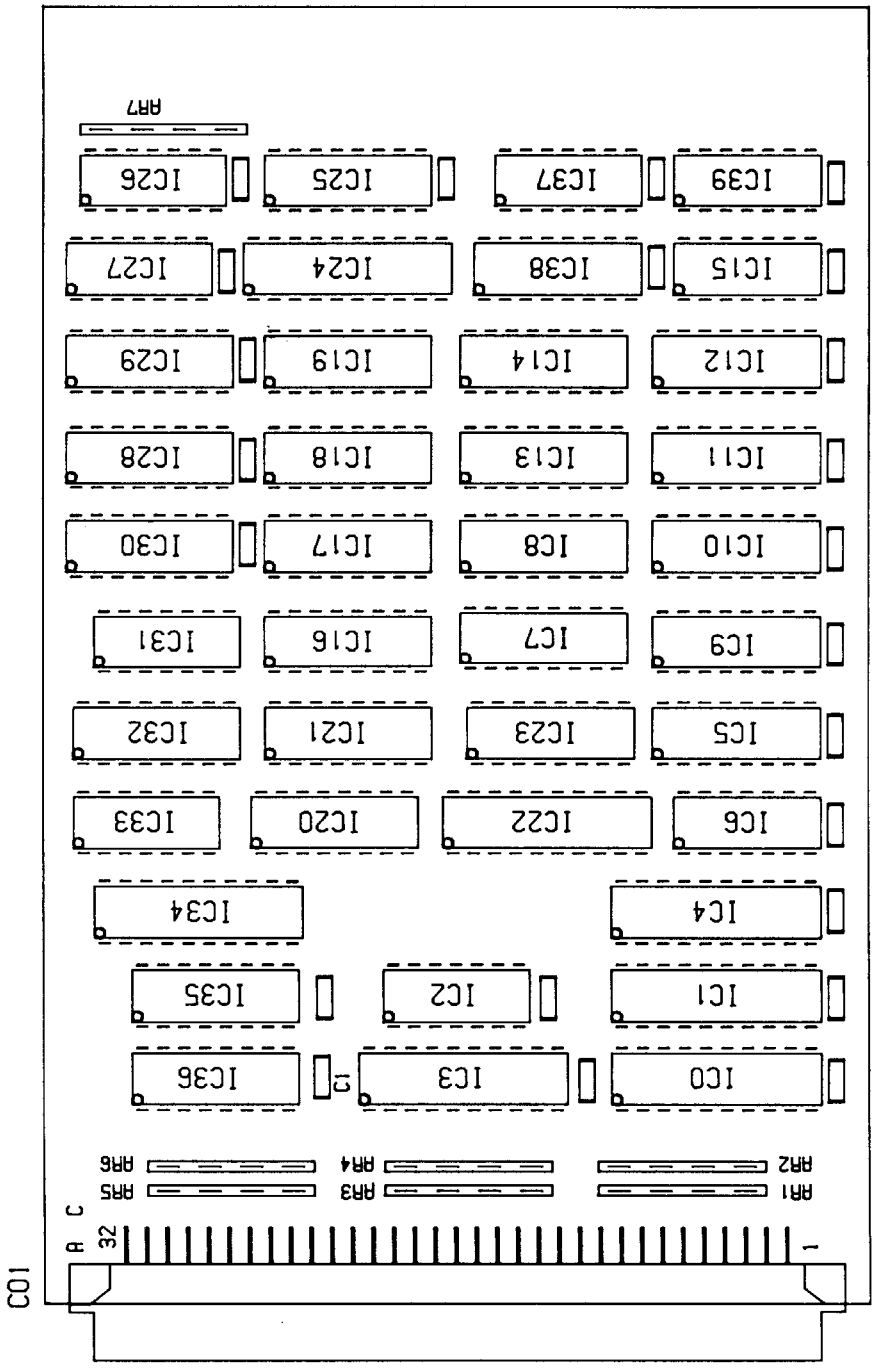


Name	Datum	BLOCKDIAGRAM IO-CONTROL
WE	08.89	
RTW		RADIO-TECHNISCHE WERKSTATTEN GMBH

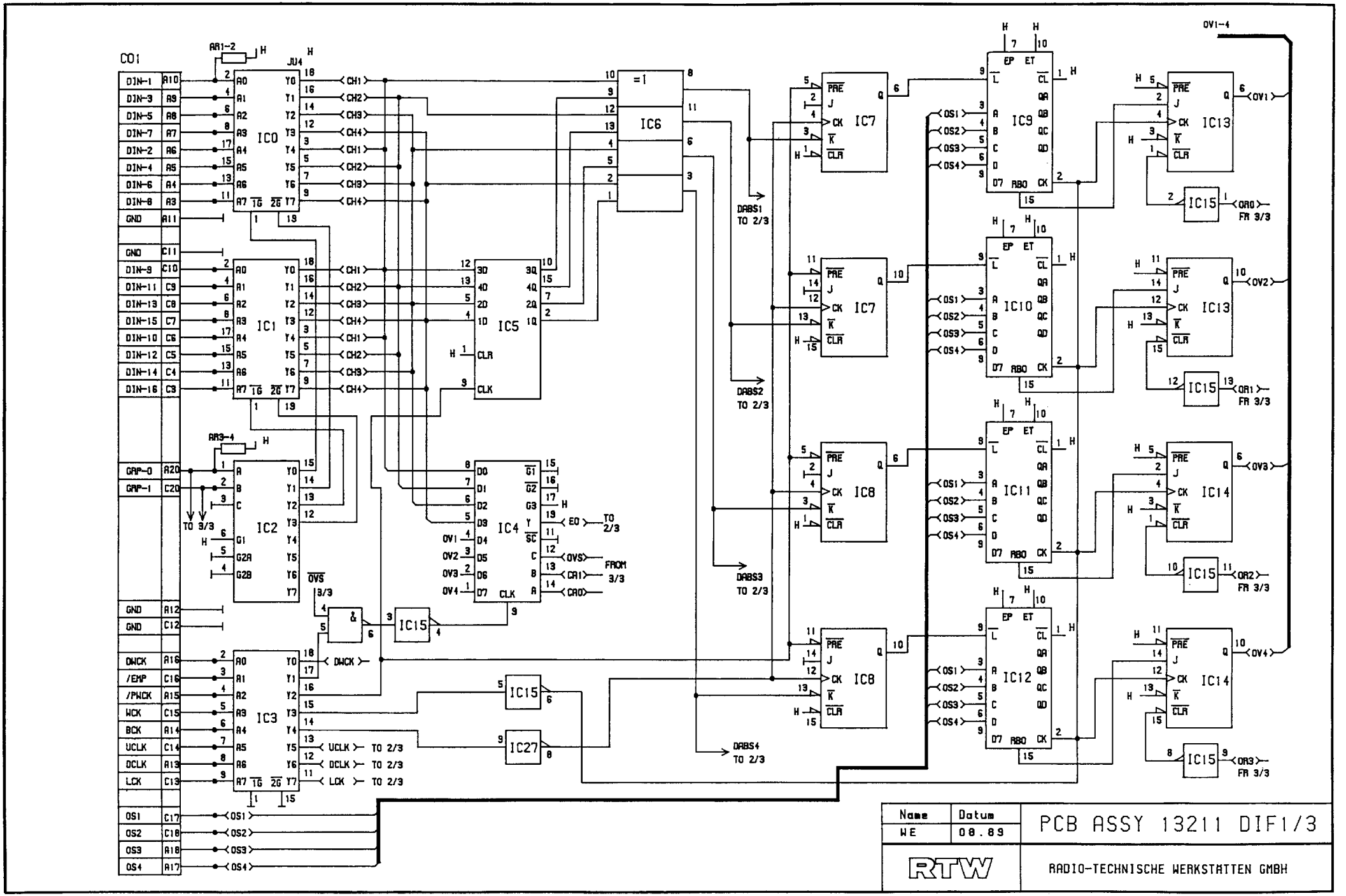

C00
A30
A29
A28
A27
A26
A25
A24
A23
C30
C29
C28
C27
C26
C25
C24
C23
A22
A20
A18
A17
C22
C21
C20
C16
D0
D1
D2
D3
D4
D5
D6
D7
D8
D9
D10
D11
D12
D13
D14
D15
I0
I2
I4
I5
O0
O1
O2
O6
C01
AR1-2
JU4
H
Ri1
Ri2
Ri3
Ri4
Ri5
Ri6
Ri7
Ri8
R Vcc
R GND
R GND
Ri9
Ri10
Ri11
Ri12
Ri13
Ri14
Ri15
Ri16
IC1
IC2
C02
Ro1
Ro2
Ro3
Ro4
Ro5
Ro6
Ro7
Ro8
Ro GND
Ro GND
Ro9
Ro10
Ro11
Ro12
Ro13
Ro14
Ro15
Ro16
IC3
IC4
C03
IC5
IC6
IC7
IC8
IC9
IC10
IC11
AR3
AR4
+ UD
- UD
DGND
C14
A14
C4
C5
C6
C7
A4
A5
A6
A7
Vcc
DGND
AC32
AC1,2
C04
T1
T2
T3
T4
T5
T6
T7
T8
T9
T10
T11
T12
T13
T14
+UD
Name
Datum
WE
05.89
PCB ASSY IO 13213
RTW
RADIO-TECHNISCHE WERKSTATTEN GMBH

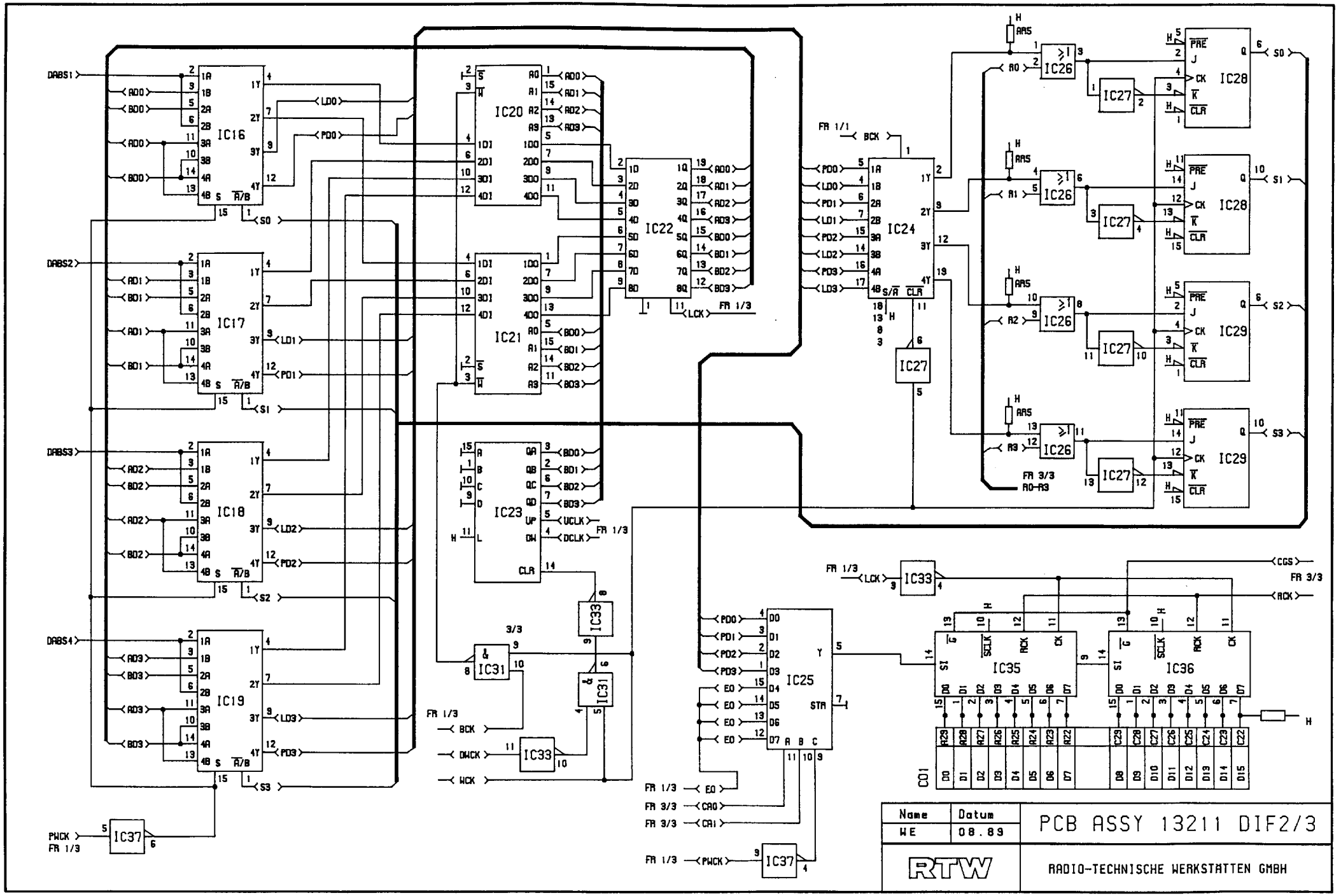


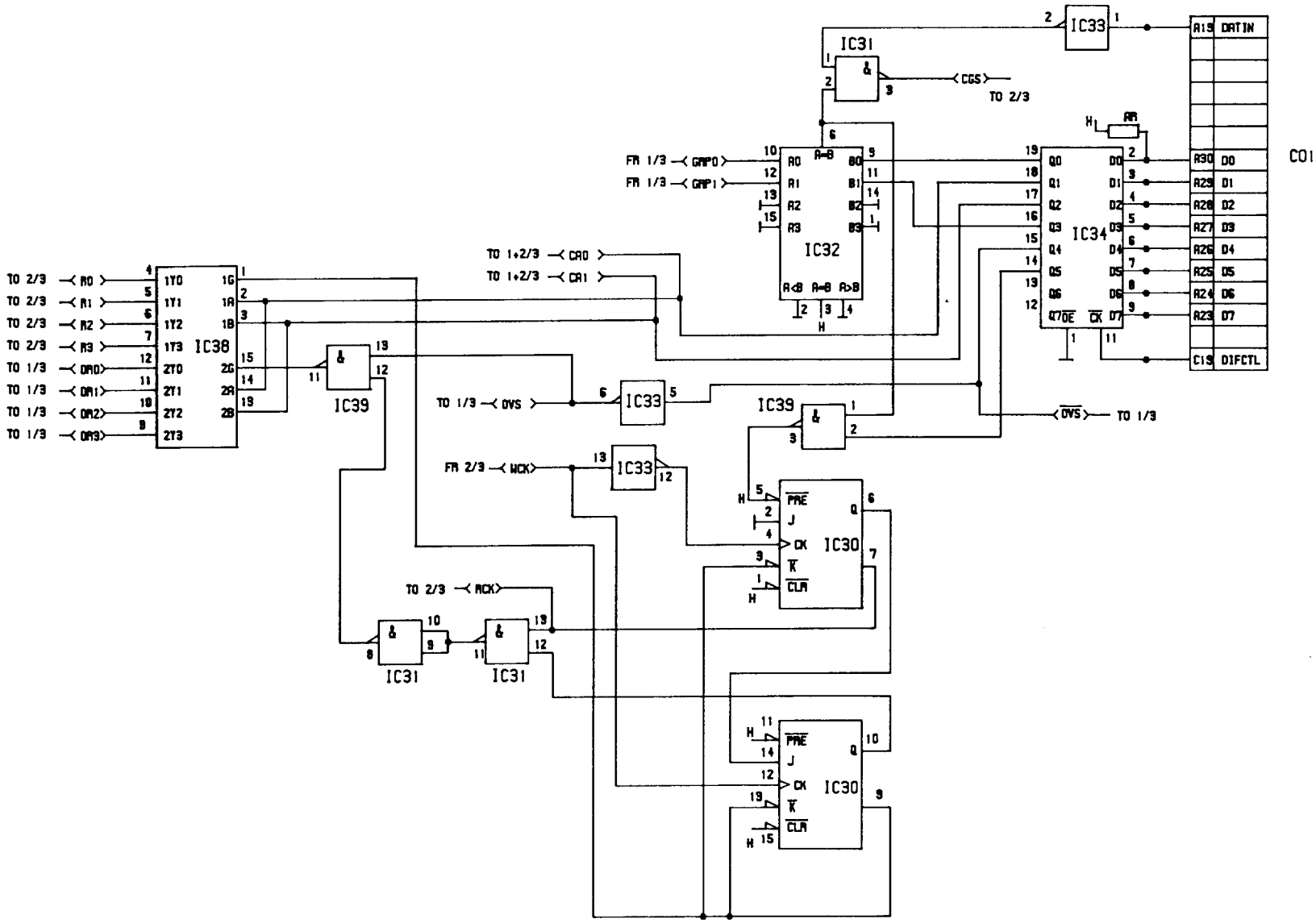
Name	Datum	PCB ASSY IO 13213
WE	05.89	
RTW		RADIO-TECHNISCHE WERKSTATTEN GMBH



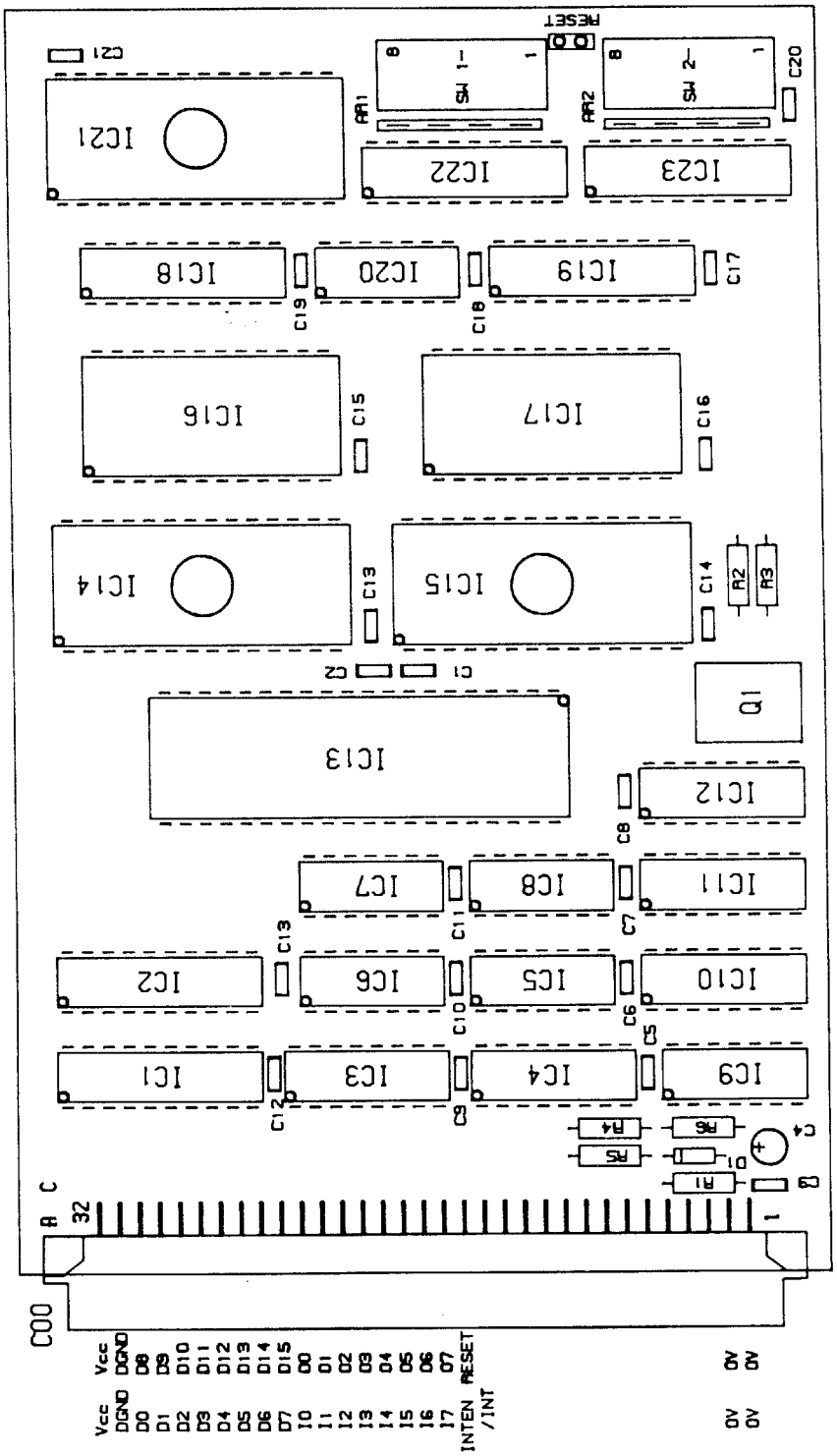
		PCB ASSY 13211 DIF	RADIO-TECHNISCHE WERKSTATTEN GMBH
Name	Datum		
WE	08.89	RTW	


CO1
DIN-1 A10
DIN-3 A9
DIN-5 A8
DIN-7 A7
DIN-2 A6
DIN-4 A5
DIN-6 A4
DIN-8 A3
GND A11
GND C11
DIN-9 C10
DIN-11 C9
DIN-13 C8
DIN-15 C7
DIN-10 C6
DIN-12 C5
DIN-14 C4
DIN-16 C3
GRP-0 A20
GRP-1 C20
GND A12
GND C12
DWCK A16
/EMP C16
/PWCK A15
WCK C15
BCK A14
UCLK C14
DCLK A13
LCK C13
OS1 C17
OS2 C18
OS3 A18
OS4 A17
AR1-2
AR3-4
JU4
IC0
IC1
IC2
IC3
IC4
IC5
IC6
IC7
IC8
IC9
IC10
IC11
IC12
IC13
IC14
IC15
IC27
CH1
CH2
CH3
CH4
OV1
OV2
OV3
OV4
OVS
EO
CA1
CA0
DWCK
UCLK
DCLK
LCK
TO 3/3
FROM 3/3
TO 2/3
DABS1 TO 2/3
DABS2 TO 2/3
DABS3 TO 2/3
DABS4 TO 2/3
OV1-4
OR0 FR 3/3
OR1 FR 3/3
OR2 FR 3/3
OR3 FR 3/3
Name
Datum
WE
08.89
PCB ASSY 13211 DIF1/3
RTW
RADIO-TECHNISCHE WERKSTATTEN GMBH

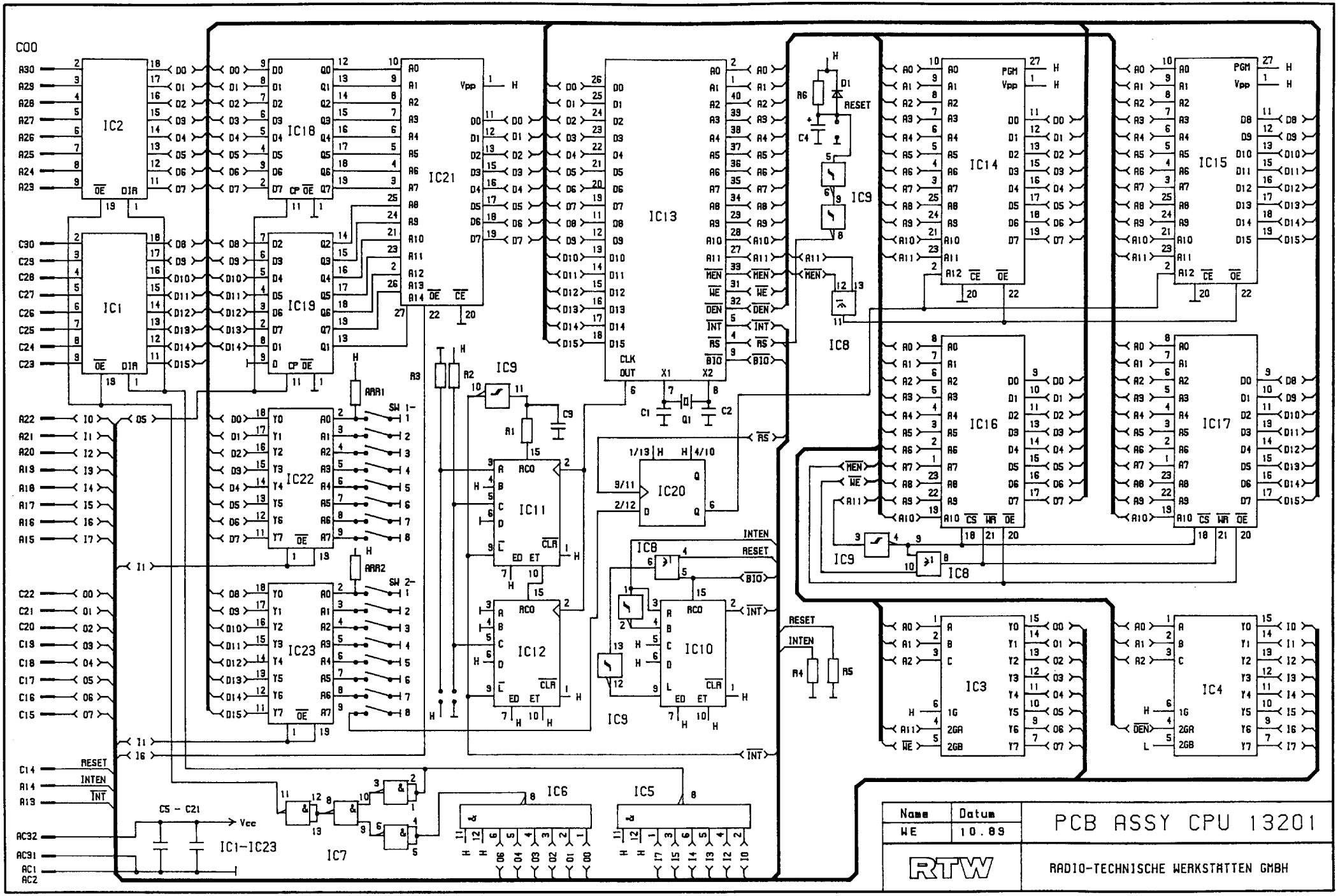

DABS1
DABS2
DABS3
DABS4
IC16
IC17
IC18
IC19
IC20
IC21
IC22
IC23
IC24
IC25
IC26
IC27
IC28
IC29
IC31
IC33
IC35
IC36
IC37
FR 1/1
FR 1/3
FR 3/3
RO-R3
PWCK
CO1
Name
Datum
WE
08.89
PCB ASSY 13211 DIF2/3
RTW
RADIO-TECHNISCHE WERKSTATTEN GMBH

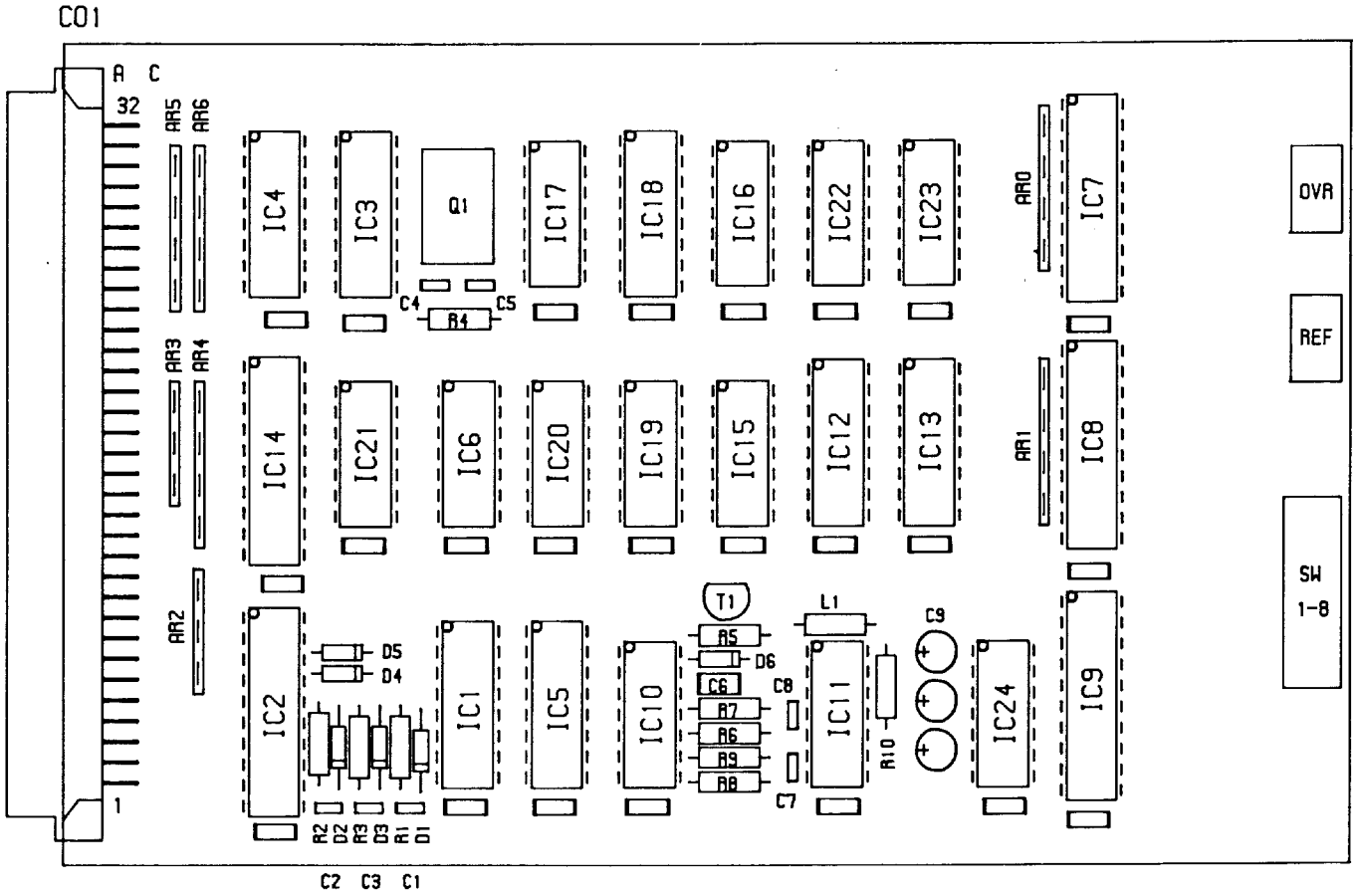


Name	Datum	PCB ASSY 13211 DIF3/3
WE	08.89	
RTW		RADIO-TECHNISCHE WERKSTATTEN GMBH

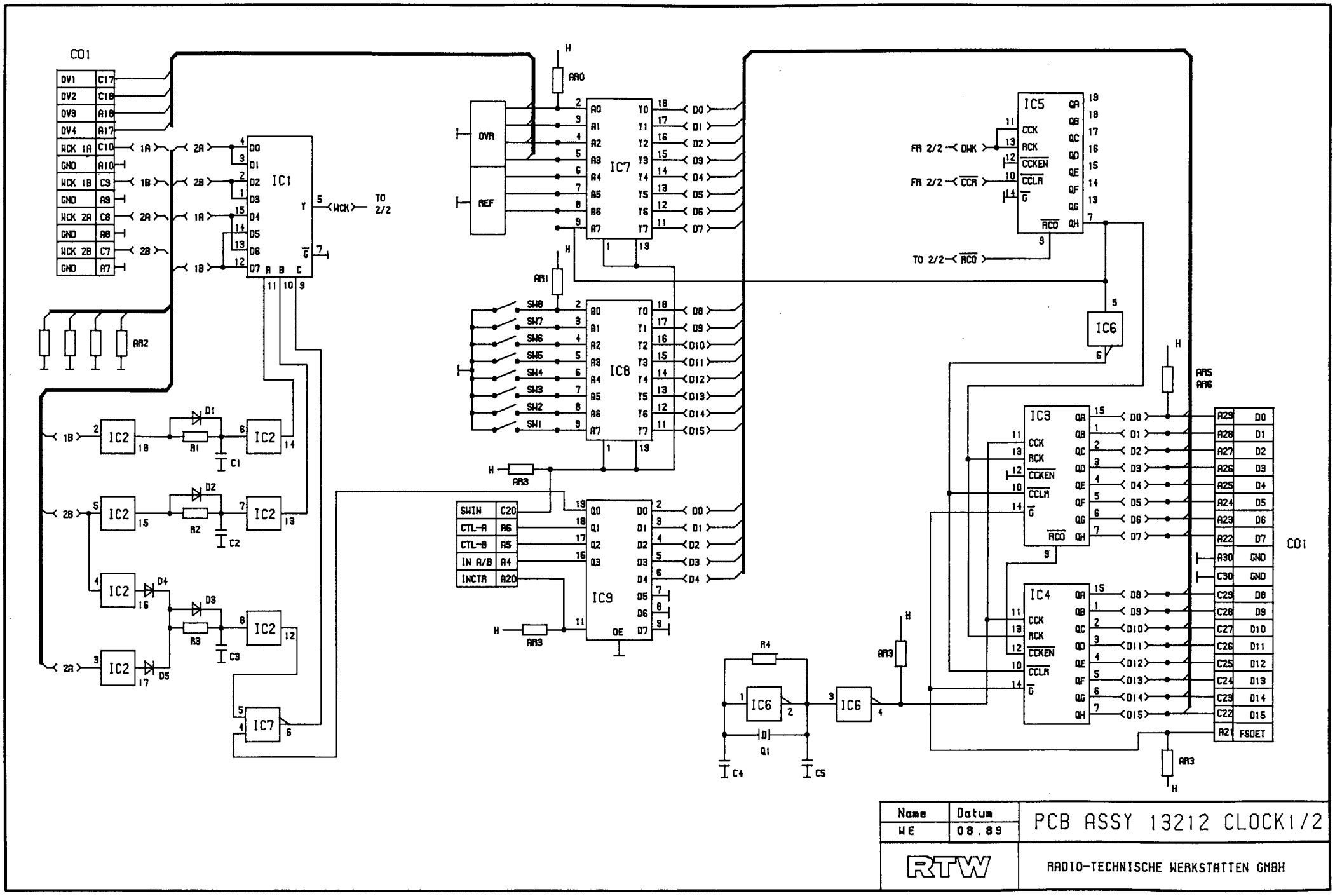


Name	Datum	PCB ASSY CPU 13201
WE	12.88	RADIO-TECHNISCHE WERKSTATTEN GMBH
	RTW	

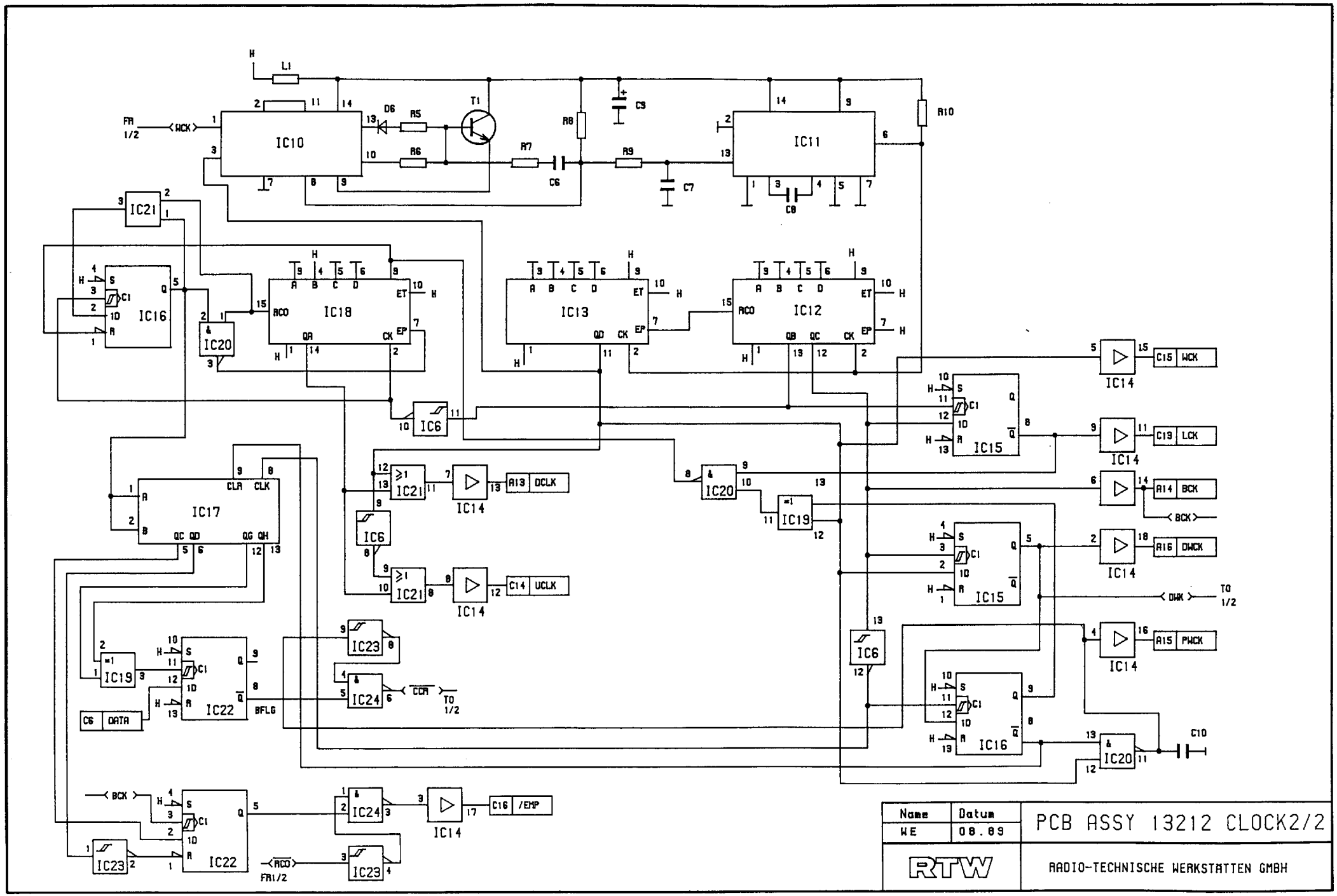

C00
IC2
IC18
IC21
IC13
IC1
IC19
IC22
IC23
IC9
IC11
IC12
IC20
IC10
IC8
IC14
IC15
IC16
IC17
IC3
IC4
IC6
IC5
IC7
IC1-IC23
RESET
INTEN
INT
BIO
RS
MEN
WE
DEN
Vcc
PCB ASSY CPU 13201
RADIO-TECHNISCHE WERKSTATTEN GMBH
Name
Datum
WE
10.89
RTW

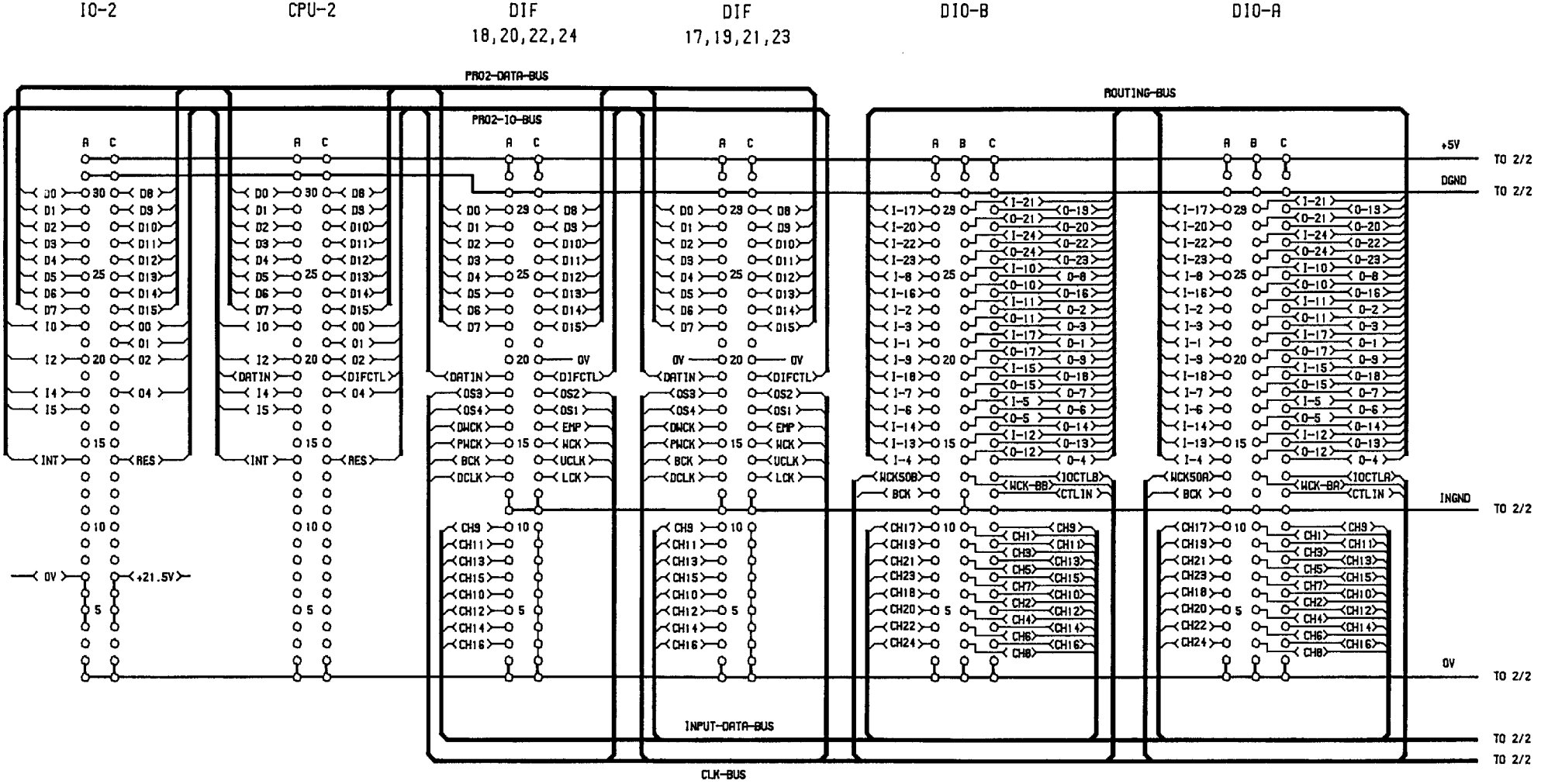


Name	Datum	PCB ASSY 13212 CLOCK
WE	08.89	
RTW		RADIO-TECHNISCHE WERKSTATTEN GMBH

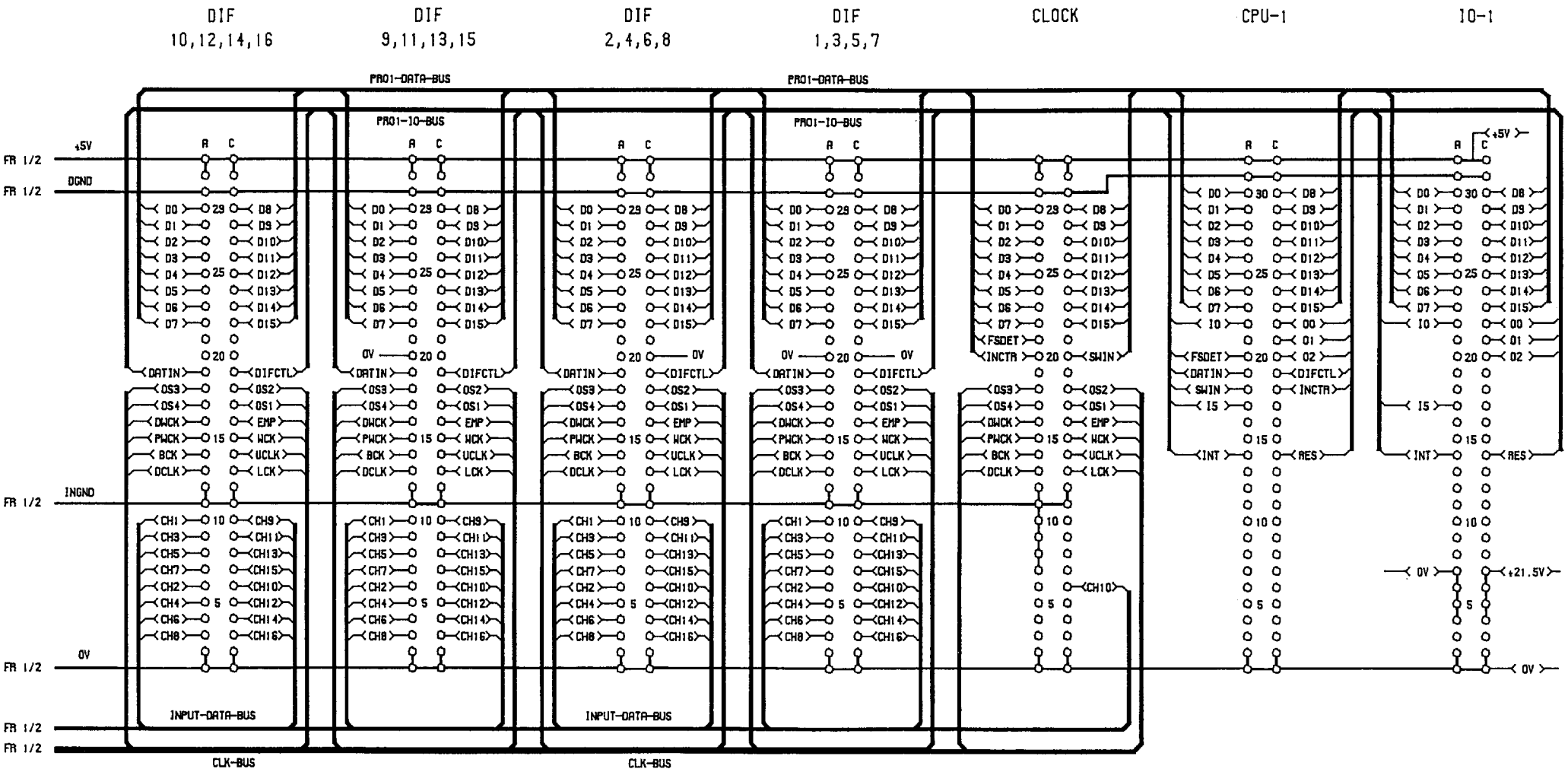


Name	Datum	PCB ASSY 13212 CLOCK1/2
WE	08.89	
RTW		RADIO-TECHNISCHE WERKSTÄTTEN GMBH

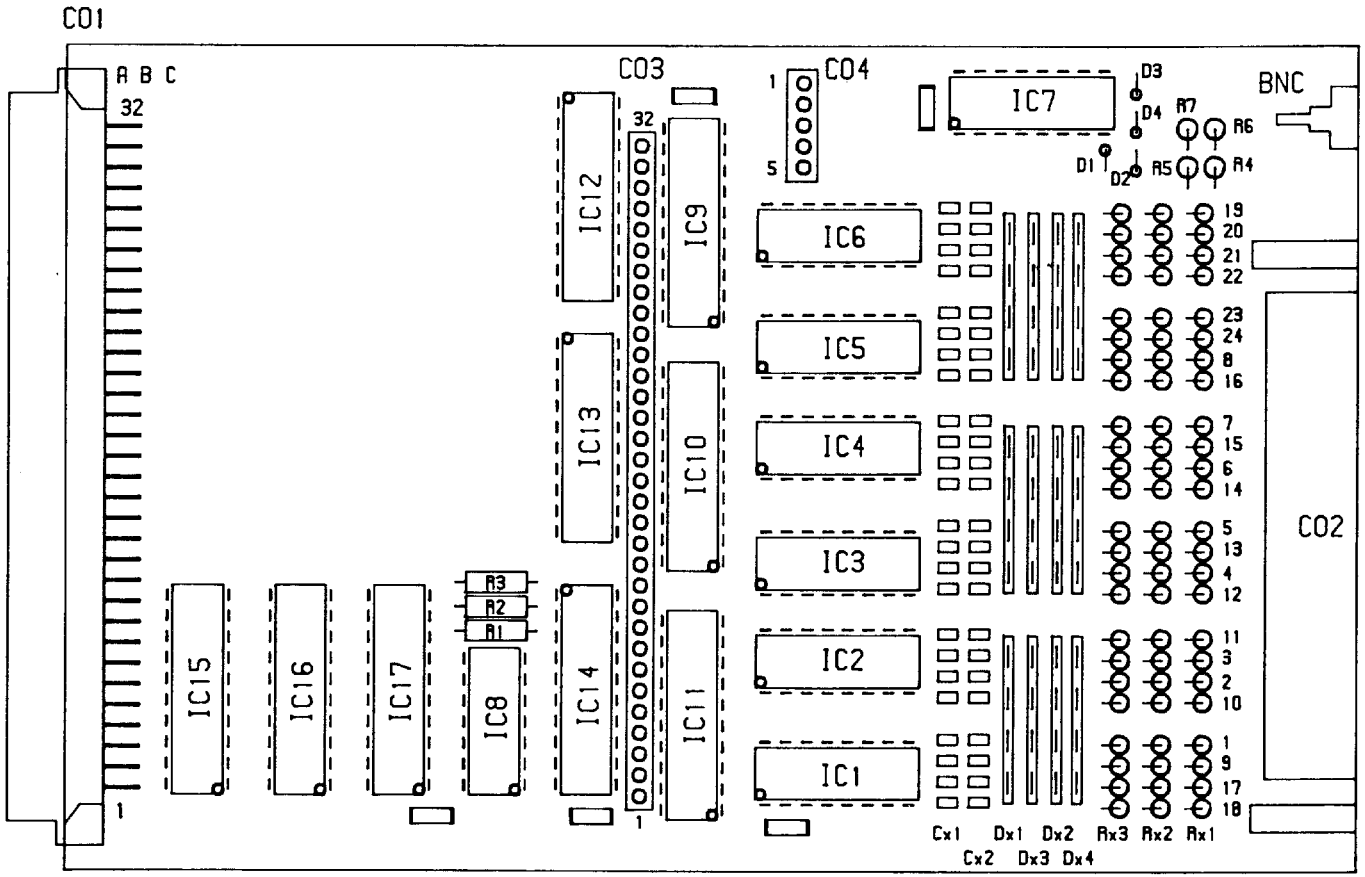

H
L1
FR 1/2
ACK
IC10
D6
R5
R6
T1
R8
C9
R7
C6
R9
C7
IC11
R10
C8
IC21
IC16
IC18
IC20
IC13
IC12
IC6
IC17
IC14
A13 DCLK
C14 UCLK
IC15
C15 WCK
C13 LCK
A14 BCK
A16 DWCK
A15 PWCK
DWK
TO 1/2
IC19
IC22
IC23
IC24
CCR
BFLG
C6 DATA
C10
BCK
C16 /EMP
RCO
FR1/2
Name
Datum
WE
08.89
PCB ASSY 13212 CLOCK2/2
RTW
RADIO-TECHNISCHE WERKSTATTEN GMBH



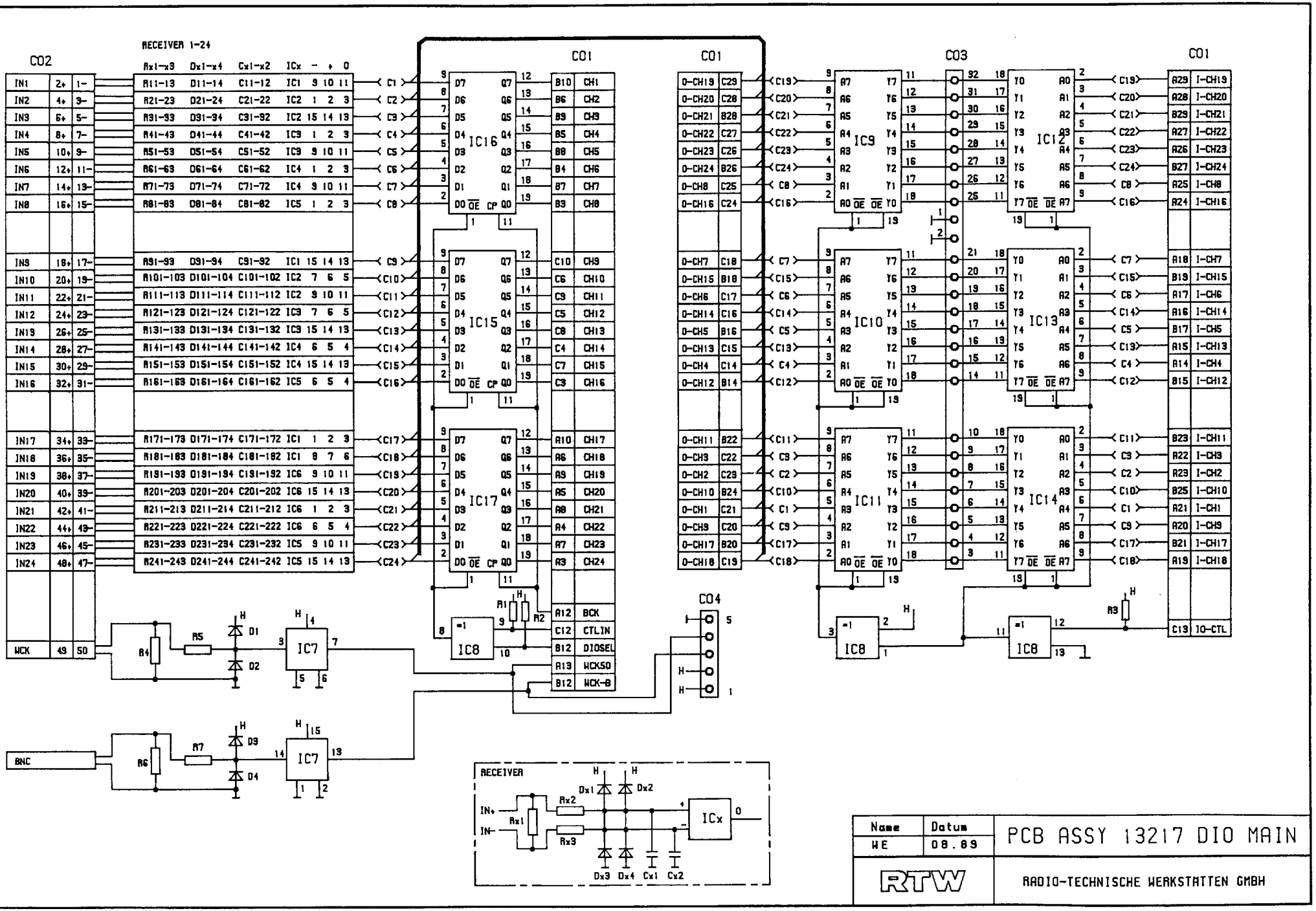
Name	Datum	PCB ASSY 13216 BUS 1/2
WE	08.89	
RTW		RADIO-TECHNISCHE WERKSTÄTTEN GMBH

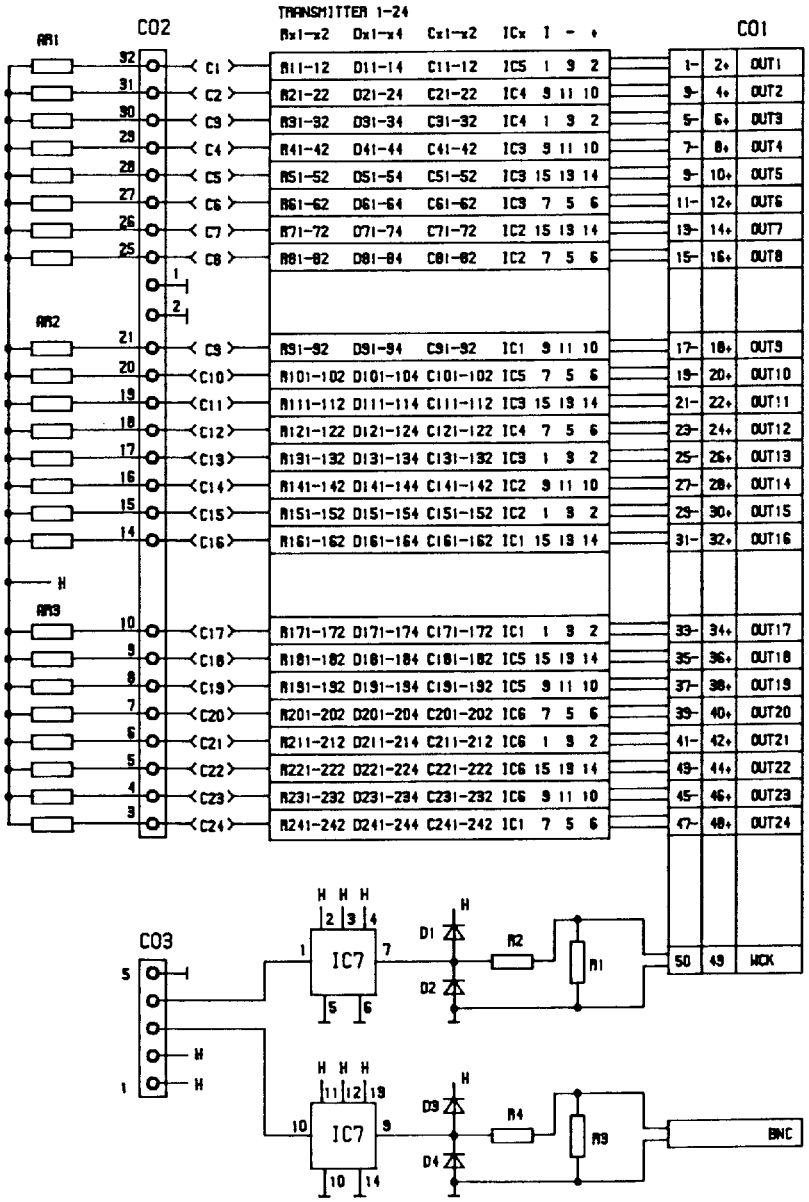


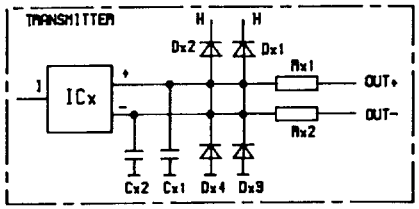
Name	Datum	PCB ASSY 13216 BUS 2/2
WE	08.89	
RTW		RADIO-TECHNISCHE WERKSTATTEN GMBH



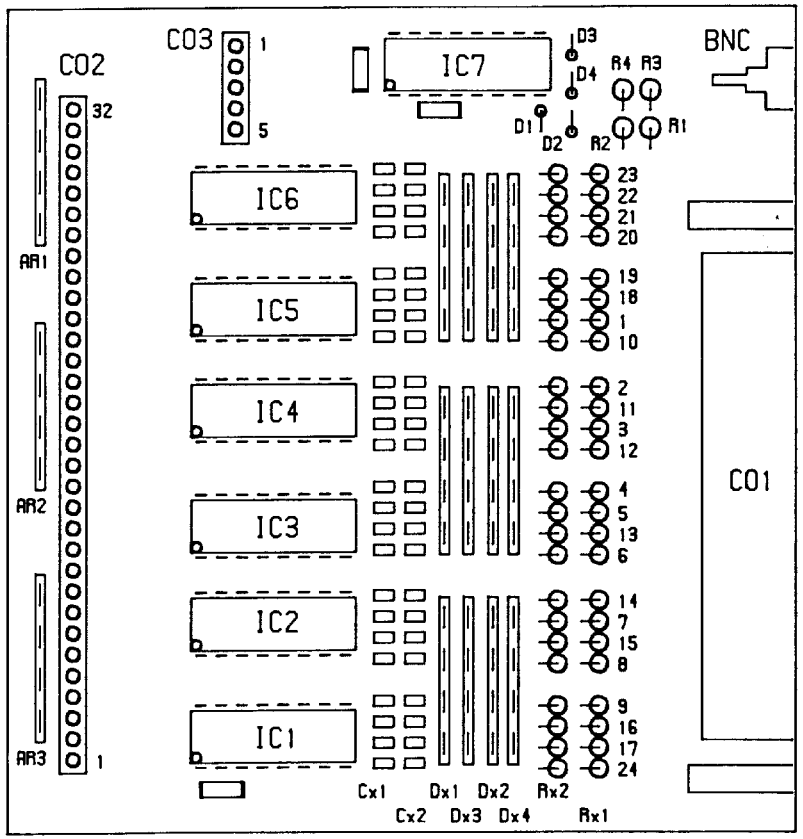
Name	Datum	PCB ASSY 13217 DIO MAIN
WE	08.09	
RTW		RADIO-TECHNISCHE WERKSTATTEN GMBH


CO2
RECEIVER 1-24
CO1
CO3
CO4
IC16
IC15
IC17
IC9
IC10
IC11
IC12
IC13
IC14
IC8
IC7
BNC
RECEIVER
ICx
PCB ASSY 13217 DIO MAIN
RADIO-TECHNISCHE WERKSTATTEN GMBH
Name
Datum
WE
08.89

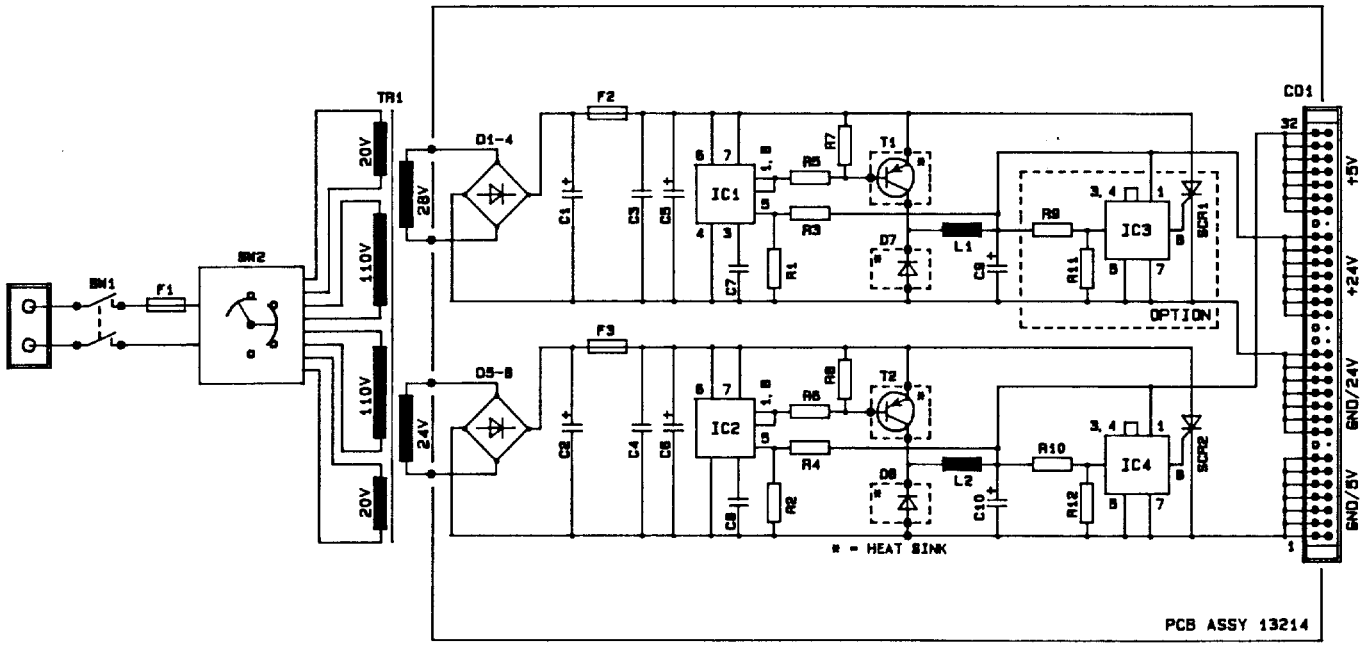




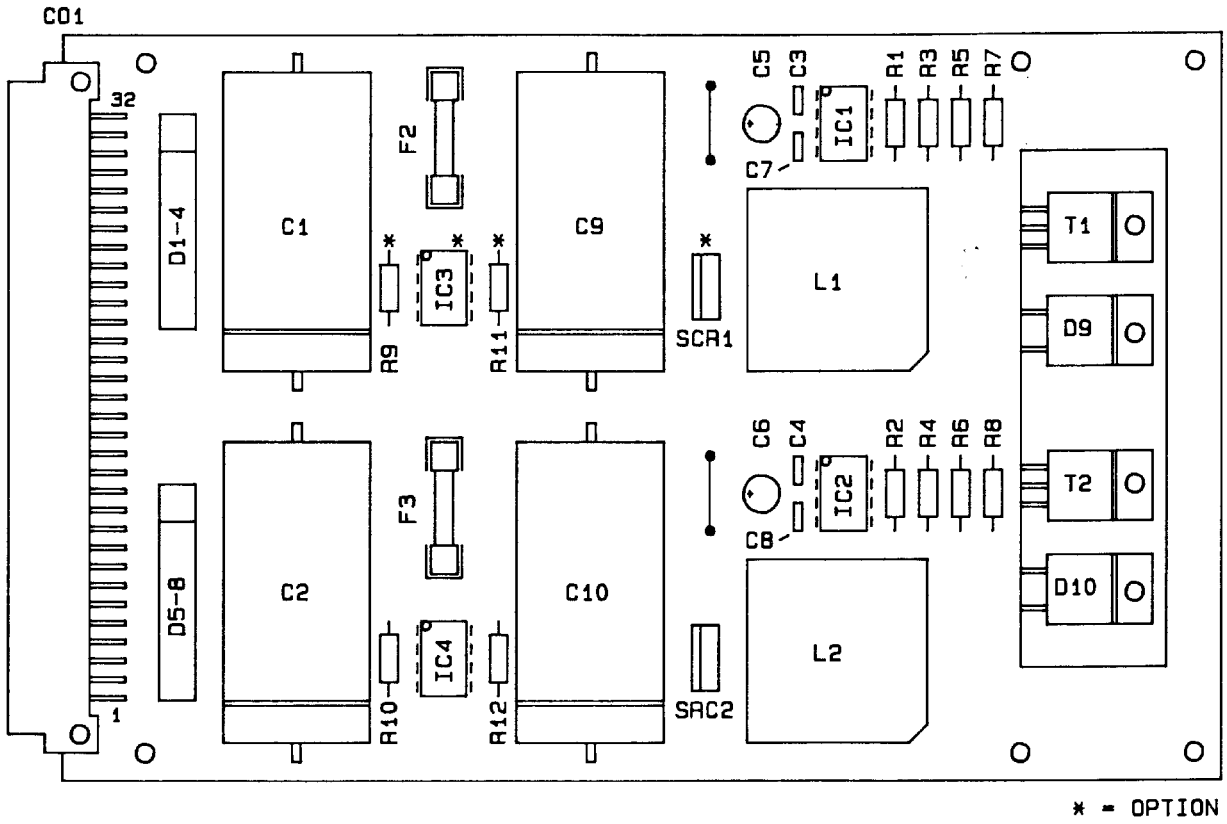
Name	Datum	PCB ASSY 13215 DIO SUB
WE	08.89	
RTW		RADIO-TECHNISCHE WERKSTATTEN GMBH



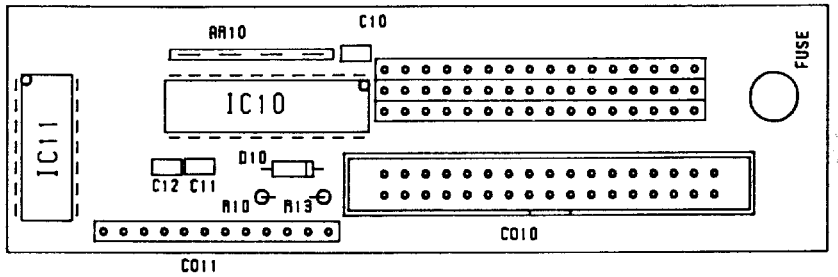
Name	Datum	PCB ASSY 13215 DIO SUB
WE	08.89	
RTW		RADIO-TECHNISCHE WERKSTATTEN GMBH

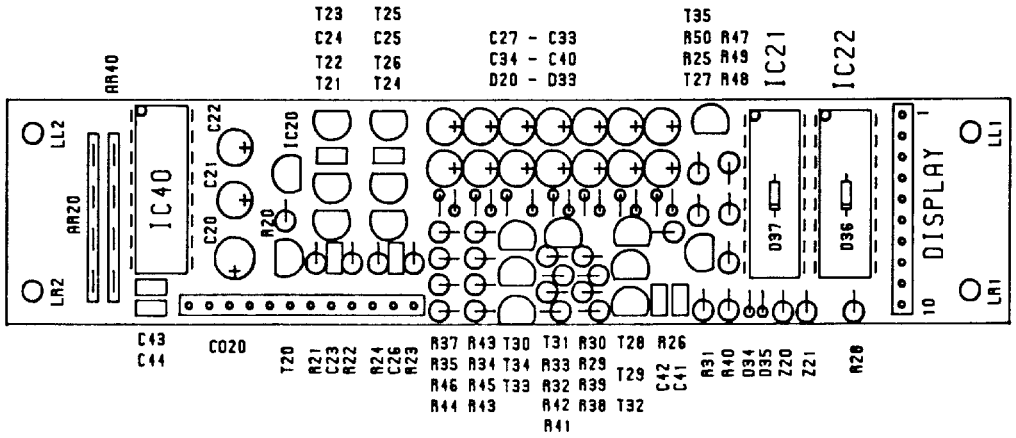


Name	Datum	PCB ASSY 13214 POWER
WE	08.89	
RTW		RADIO-TECHNISCHE WERKSTATTEN GMBH



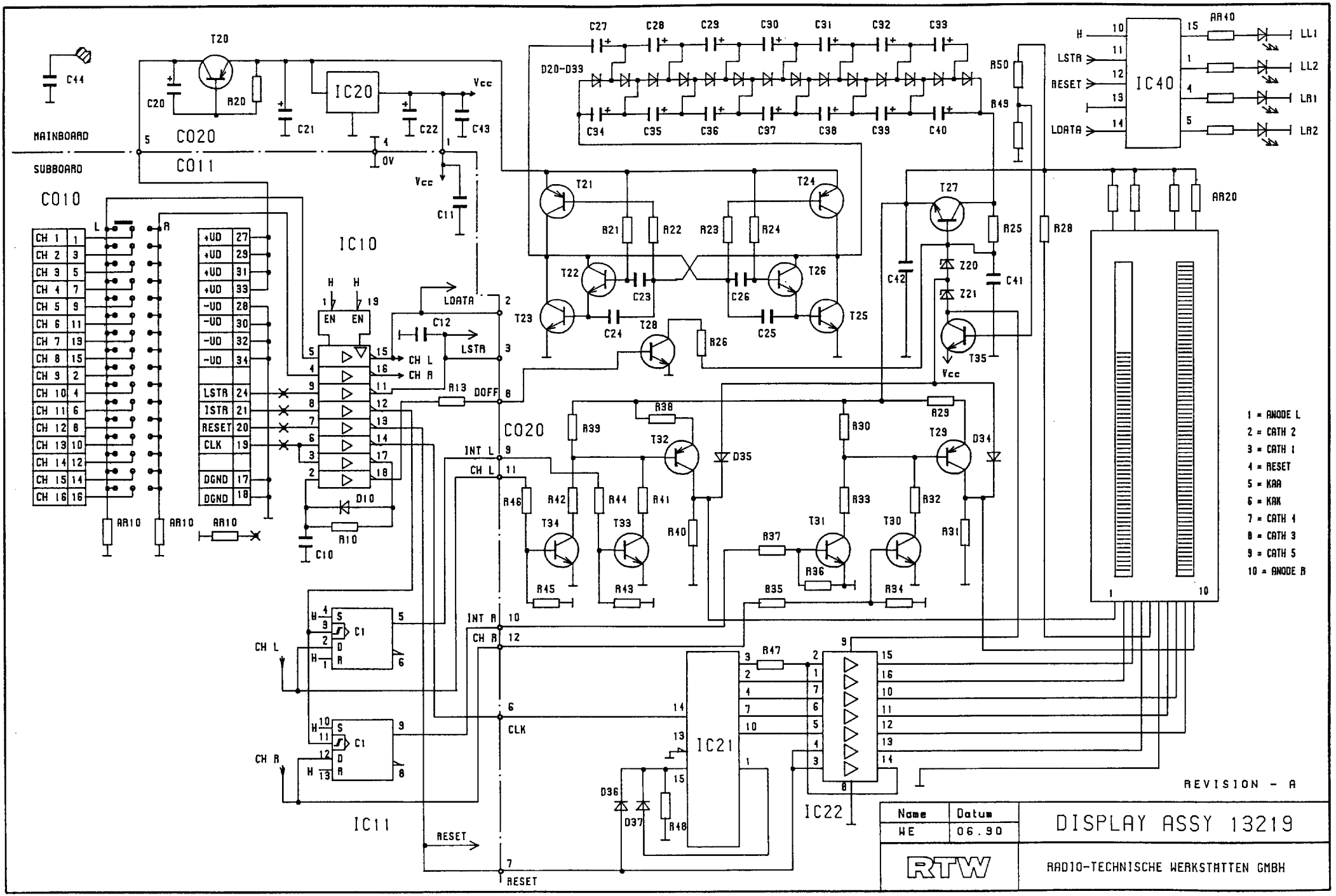
Name	Datum	PCB ASSY 13214 POWER
WE	08.89	
RTW		RADIO-TECHNISCHE WERKSTATTEN GMBH

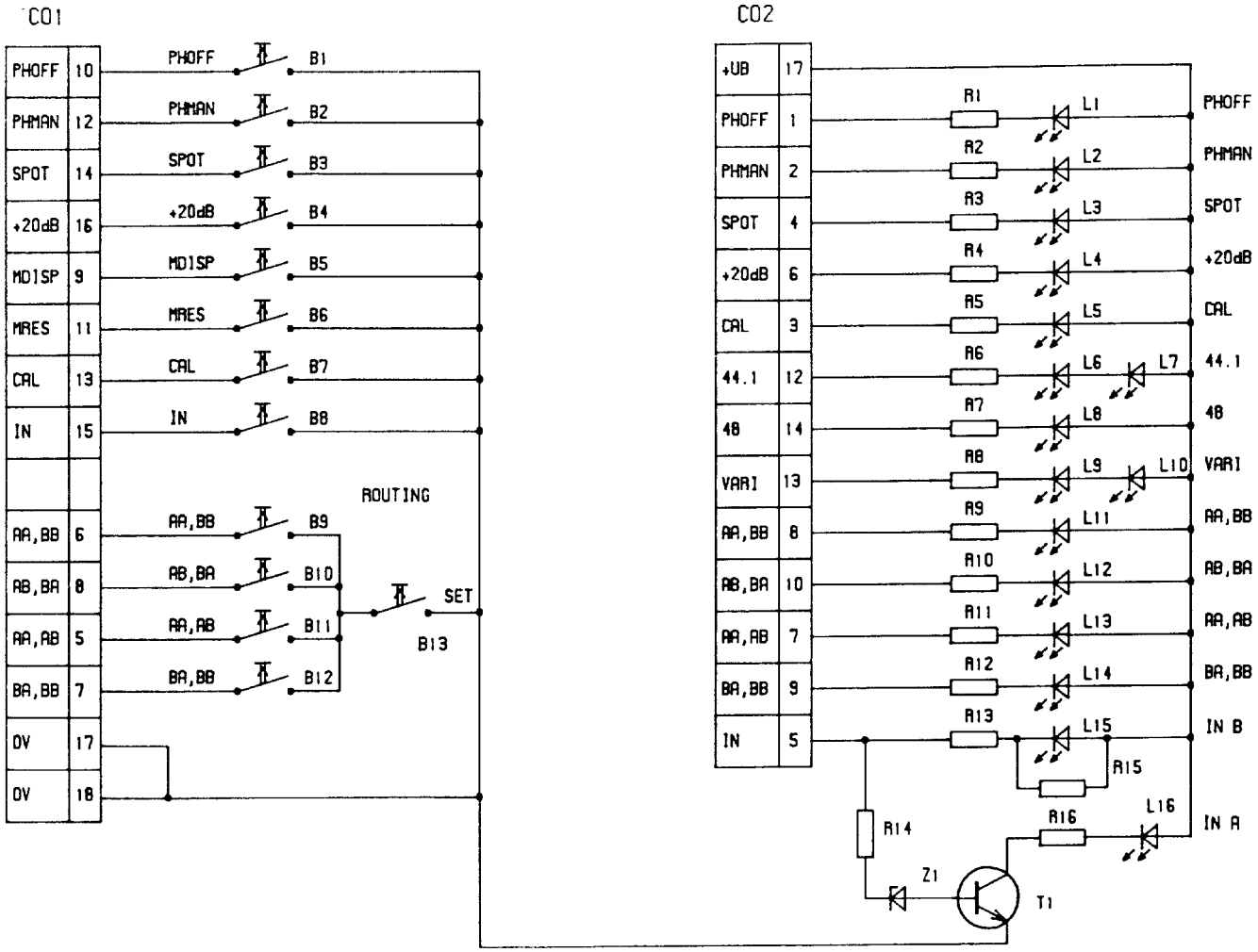




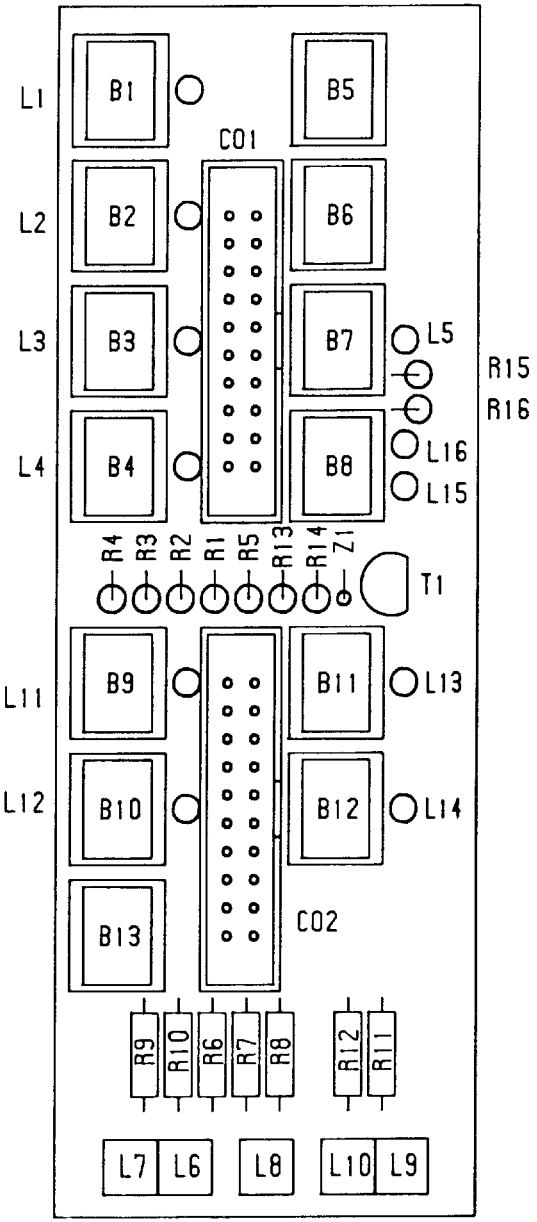
REVISION - A

Name	Datum	PCB DISPLAY 13219
WE	06.90	
RTW		RADIO-TECHNISCHE WERKSTATTEN GMBH

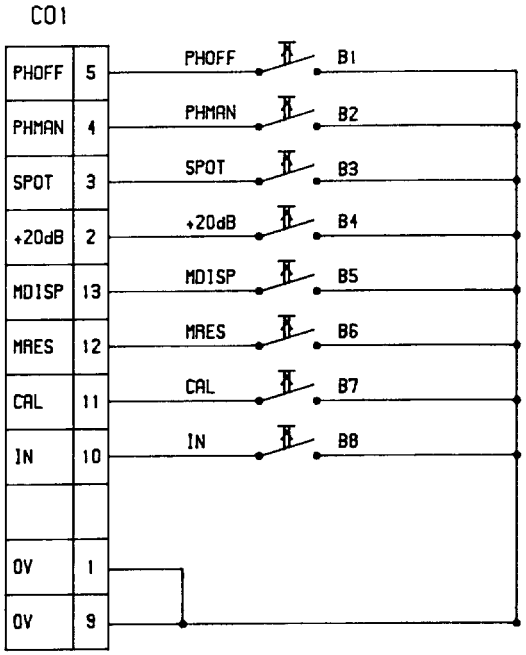

MAINBOARD
SUBBOARD
C010
C011
C020
C020
IC10
IC11
IC20
IC21
IC22
IC40
T20
T21
T22
T23
T24
T25
T26
T27
T28
T29
T30
T31
T32
T33
T34
T35
D10
D20-D33
D34
D35
D36
D37
Z20
Z21
C10
C11
C12
C20
C21
C22
C23
C24
C25
C26
C27
C28
C29
C30
C31
C32
C33
C34
C35
C36
C37
C38
C39
C40
C41
C42
C43
C44
R10
R11
R12
R13
R20
R21
R22
R23
R24
R25
R26
R28
R29
R30
R31
R32
R33
R34
R35
R36
R37
R38
R39
R40
R41
R42
R43
R44
R45
R46
R47
R48
R49
R50
AR10
AR20
AR40
Vcc
0V
LDATA
LSTR
RESET
CLK
DOFF
INT L
INT R
CH L
CH R
DGND
+UD
-UD
LL1
LL2
LR1
LR2
1 = ANODE L
2 = CATH 2
3 = CATH 1
4 = RESET
5 = KAA
6 = KAK
7 = CATH 4
8 = CATH 3
9 = CATH 5
10 = ANODE R
REVISION - A
Name
Datum
WE
06.90
DISPLAY ASSY 13219
RTW
RADIO-TECHNISCHE WERKSTATTEN GMBH



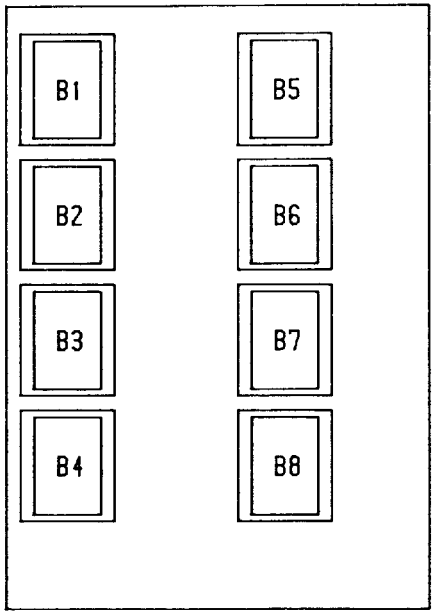
Name	Datum	PCB ASSY 13220 CONTROL PANEL
WE	08.89	
RTW		RADIO-TECHNISCHE WERKSTATTEN GMBH



Name	Datum	PCB ASSY 13220 CONTROL PANEL
WE	08.89	
RTW		RADIO-TECHNISCHE WERKSTATTEN GMBH



Name	Datum	PCB ASSY 1194 REMOTE CONTROL
WE	08.89	
RTW		RADIO-TECHNISCHE WERKSTATTEN GMBH



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