

ARBEITSUNTERLAGE

OPTION SELECTION GERÄT 6104

ÄHNLICHES TEIL

REV.

NÄCHSTE BAUGR.

BADISCHE ANILIN- & SODA-FABRIK AG
WERK WILLSTÄTT, MD-Gerätebau

Tag 6.08.81

Name

Loos

Option Selection für
Gerät 6104
Board 81 098-XXX

Urheberrechtsschutz nach DIN 34

81 620-401

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[illegible]

Note : (X) = Standard Jumper Configuration

1. Radial Select Option : (Binary Select Option not installed)

Option \ Jumper Pin	J J 2				J J 1
	21-22	17-18	13-14	9-10	5 - 6
Jumper Pos.	☐	☐	☐	☐	☐
Radial Select	Drive 0	(X)			(X)
	Drive 1		x		(X)
	Drive 2			x	(X)
	Drive 3			x	(X)

2. Binary Select Option : (if installed)

Option \ Jumper Pin	J J 1									
	9-10	11-12	13-14	15-16	17-18	20-19	21-22	24-23	8-7	
Jumper Pos.	☐	☐	☐	☐	☐	☐	☐	☐	☐	
Binary Select	Drive 0							(X)	(X)	
	Drive 1			x					x	
	Drive 2					x			x	
	Drive 3		x						x	
	Drive 4						x		x	
	Drive 5			x					x	
	Drive 6				x				x	
	Drive 7	x							x	

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3. Side Select Option

Option \ Jumper Pin	J J 2							
	1-2	3-4	5-6	19-20	15-16	11-12	7-8	23-24
Jumper Pos.	☐	☐	☐	☐	☐	☐	☐	☐
Side Select step in	⊗							
Side Select Select 0		x						
activated by Select 1			x	x				x
Select 2			x		x			x
Select 3			x			x		x

4. Head Load Option

There are 3 head load options :

- auto head load :
head load = activated by select-input
- selected head load :
head load = select.head load-input
- radial head load :
head load = head load input

Option \ Jumper Pin	J J 4				J J 7
	13-14	15-14	10-11	11-12	1 - 2
Jumper Pos.	☐	☐	☐	☐	☐
Auto Head Load		x	x		x
Selected Head Load	⊗		⊗		⊗
Radial Head Load	x			x	x

5. Door lock latch

The door lock solenoid may be activated by the following signals directly :

- head load
- ready
- select
- in use

The status of IN USE may stored in a latch which controls the solenoid optionally.

Jumper		J J 5						
Option	Pin	1-2	3-4	5-6	8-7	10-9	12-11	13-14
Jumper Pos.		☐	☐	☐	☐	☐	☐	☐
door lock solenoid activated by :	head load	⊗						
	ready		x					
	select			x				
	in use				x			
	door lock latch enable				⊗			⊗

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6. Hard sector - sector divider option

If sectored diskettes are used, hard sector option must be selected.
The generated sector pulses may be also divided by an $\div 2$, $\div 4$ counter.

Option \ Jumper Pin	J J 4		J J 6				Remarks
	7-8	8-9	1-2	3-4	5-6	7-8	
Jumper Pos.	☐	☐	☐	☐	☐	☐	
hard sector	not active	x*					* only PC-Board 81098-002
	active		x				
sector pulse counter	0	x				or x	
	8				x		
	16			x			
	32		x				

7. Write protect option

If this option is active, write protect status does not inhibit the write circuitry.

Control-Unit has full control over the write circuitry of the FDD.

Option \ Jumper Pin	J J 4	
	1 - 2	3 - 2
Jumper Pos.	☐	☐
option	active	⊗
	not active	x

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8. True -false data separator option

If true data separator is used, IBM 3740 FORMAT may be accepted.
The circuitry may also work as a simple one-shot separator by switching one jumper.

Option \ Jumper Pin	J J 10	
	1 - 2	2 - 3
Jumper Pos.	☐	☐
true data separator	⊗	
false data separator		x

9. - 5 V Regulator

If using the drive on an -12 V Voltage source, the installed -5 V Regulator on the PCB must be enabled.

Option \ Jumper Pin	J J 9	
	1 - 2	
Jumper Pos.	☐	
-5 V Regulator	ON	x
	OFF	⊗

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10. Light barrier/mechanical track OO switch

Option \ Jumper Pin	J J 12			
	1 - 2	3 - 4	1 - 3	2 - 4
Jumper Pos.			cut trace	cut trace
Light barrier			⊗	⊗
Mech. track OO switch		x	R	R

R = remove cut-trace

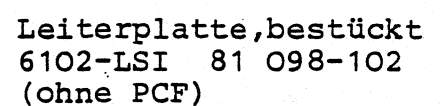
6104-LSI

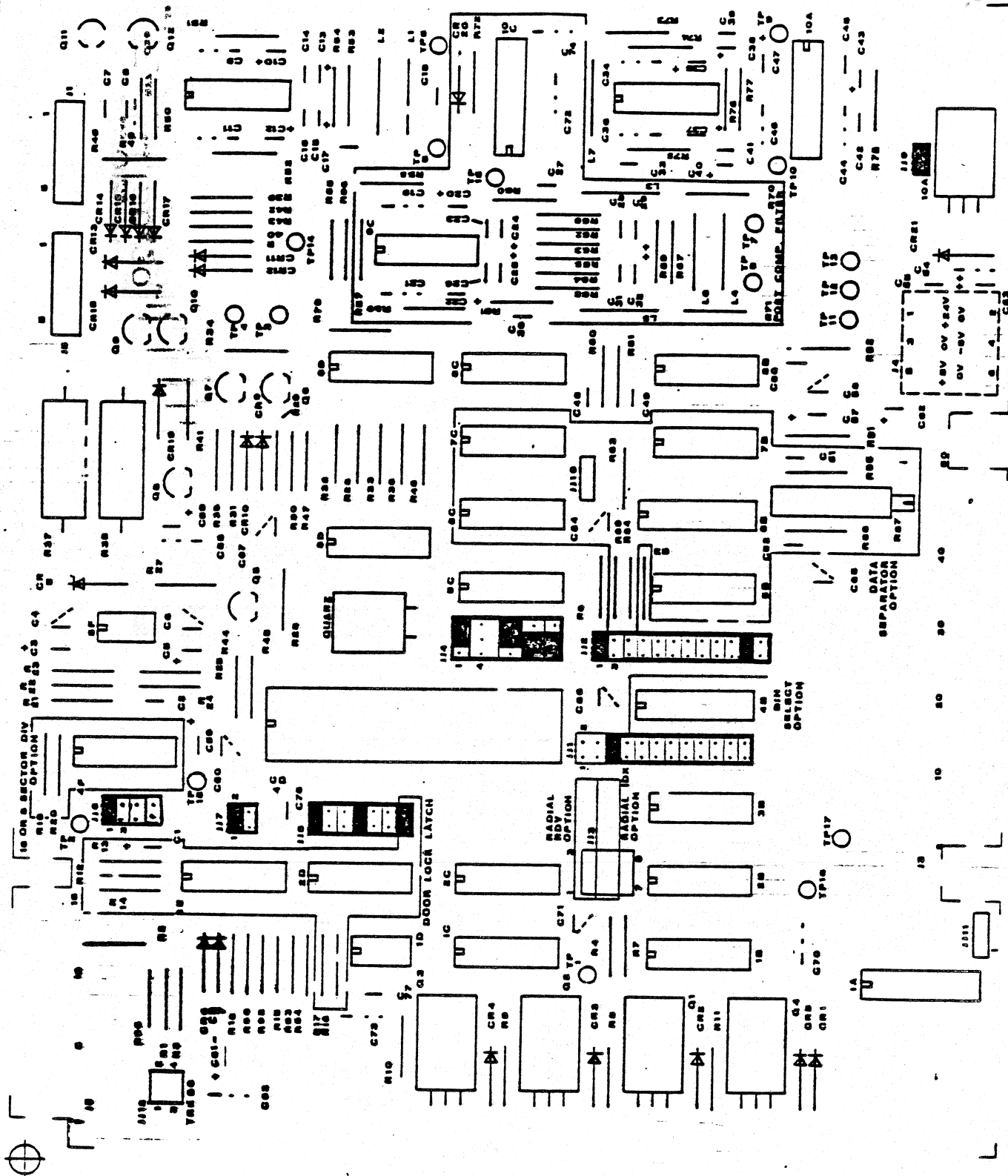
BEMERKUNG: IN ALLEN AUSFÜHRUNGEN

**IST ENTHALTEN: TIME DOMAIN FILTER
NEG.VOLTAGE REGULATOR
AUTO ERASE
HARD SEKTOR (32)**

		UNTER NUMMERN AUSFÜHRUNGEN			
	Für optische TRACK OO- Schalter	-102	-103	-110	
	Für mechn. TRACK OO- Schalter	-002	-003	-010	
O P T I O N S	DATA SEPARATOR			X	
	SEKTOR DIVIDER 8 or 16		X	X	
	BINARY SEL.		X	X	
	PCF		X		
		Standard Board			
	Part Nr.	Jumperplan siehe Blatt	Umbau aus	Bemerkungen	
	81098-011	81 620-	81098-010/-110	} siehe Arbeitsunterlage mit EN B 2181 für Hard Sektor bei Verwendung von LSI 81041-XXX bis Rev.J	
	81098-031	81620-402 31-37	81098-003/-103		
	81098-501	81620-403 37a	81098-002/-102	siehe Arbeitsunterlage	
BASF Aktiengesellschaft WERK WILLSTATT 12.05.81 Loos		Leiterplatte, bestückt FDD 6104-LSI		81 098-XXX	And. Index

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Leiterplatte, bestückt
6104-LSI 81098-103
mit PCF

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1.12.80

Peitz

Tag _____ Name _____

Option Selection für
Gerät 6104

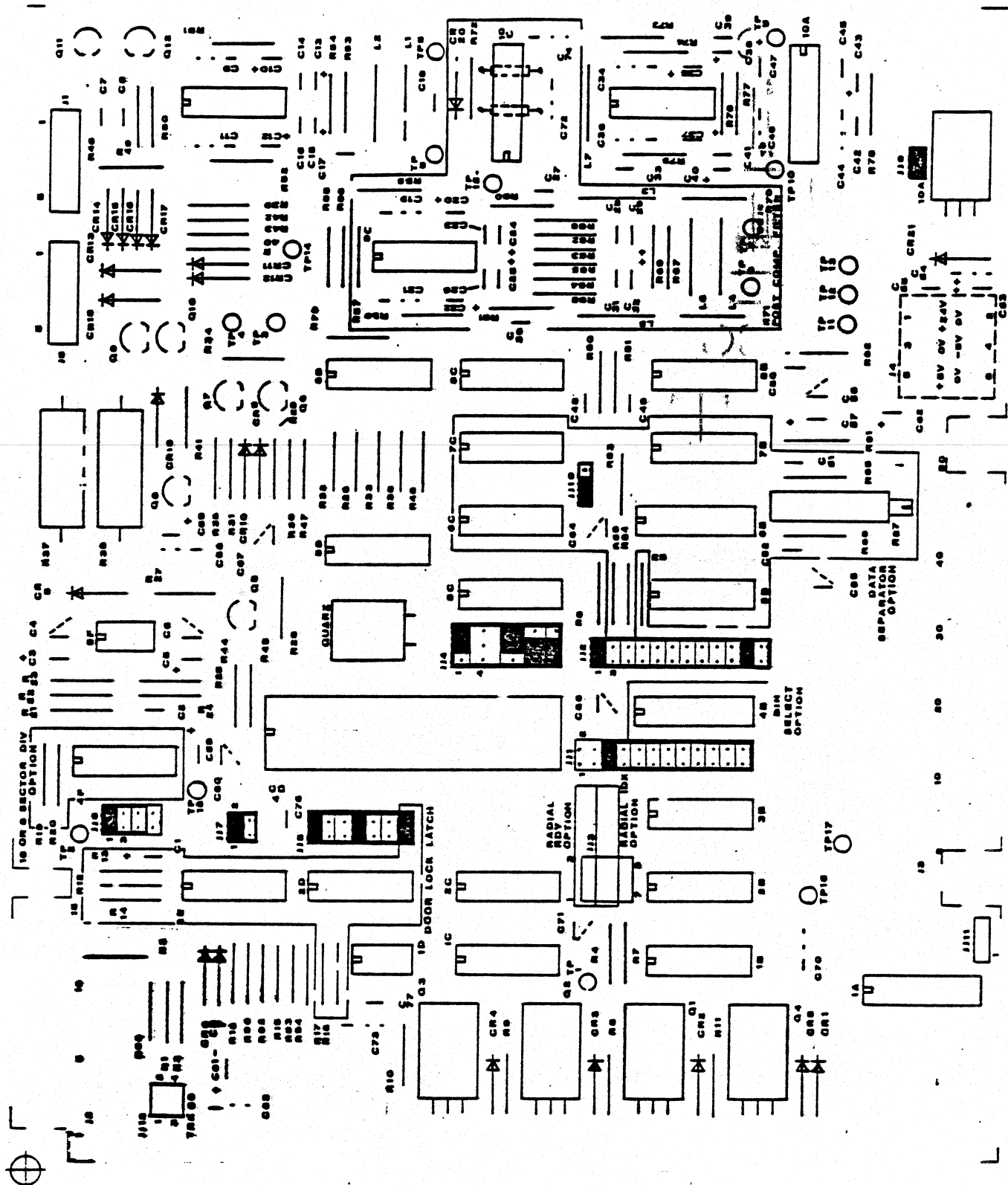
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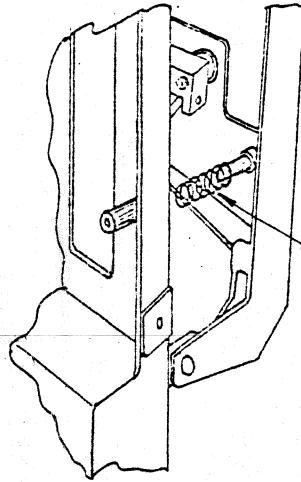
Leiterplatte, bestückt
6104-LSI 81 098-110
(ohne PCF)

100

-60

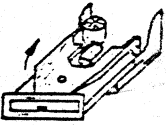
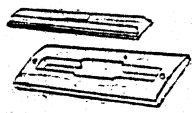
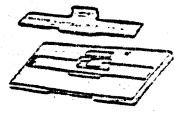
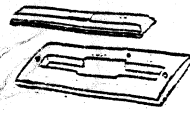
ACHTUNG:
CAUTION:

Bei allen anderen Einbaulagen müssen die Carrierfedern komplett ausgebaut werden.
(Siehe Übersicht-Einbaulagen).
The carrier springs must be completely removed by all other fitting positions.
(See mounting position list).



Carrier spring
2x/Gerät
2x/Unit

Übersicht-Einbaulagen für Carrierfeder
Mounting-Positionlist for Carrier Spring

Einbaulage Mounting position	Handle, Bezel	Carrierfeder carrier spring	Stückzahl quantity/ unit
 horizontal, liegend Carrier öffnet nach oben in Pfeilrichtung horizontal, laying carrier is opening on top in direction of arrow	 rundes Design rounded design	370750-001	2 x
	 low profile design	370749-001	2 x
 horizontal, seitlich hochkant stehend Carrier öffnet in Pfeilrichtung nach links oder rechts horizontal, standing lateral upright carrier is opening in direction of arrow to the left or right	 rundes Design rounded design	—	—
	 low profile design	370749-001	1 x

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WERK WILLSTATT

24.11.80

Wittkau

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FDD 6101/02/04

CARRIER SPRING

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