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## INNHold

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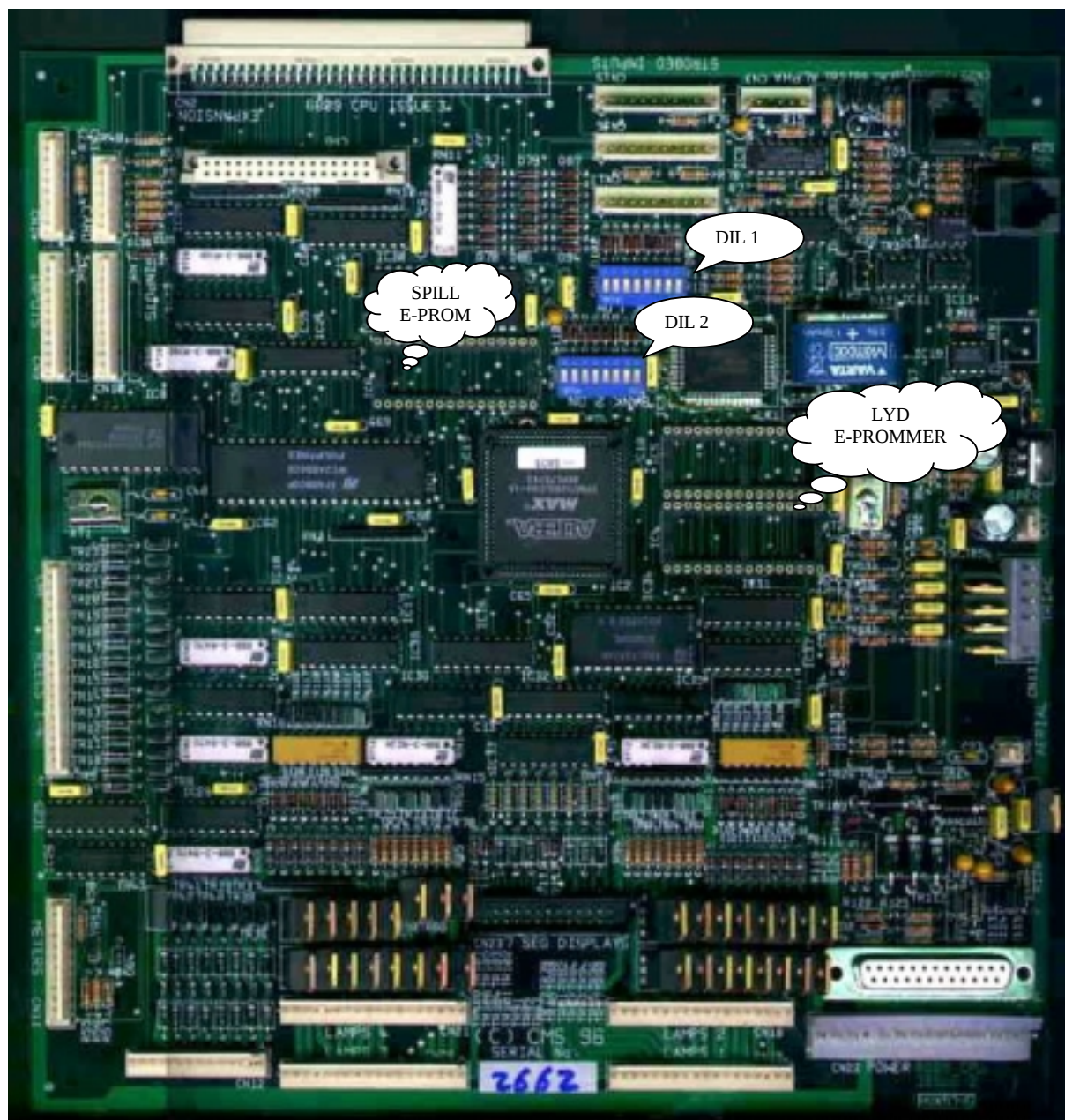






## HOVEDKORT - CMS MPU HOVEDKORT

### MPU KRETSKORT





## PLUGGER - I/O

### ALPHA NUMERISK DISPLAY ( 5V ) CN3

| CN 3<br>ALPHA NUMERIC DISPLAY |         |          |            |
|-------------------------------|---------|----------|------------|
| PIN                           | COLOUR  | FUNCTION | CONNECT TO |
| 1                             |         |          | N.U.       |
| 2                             |         |          | N.U.       |
| 3                             |         | KEY      |            |
| 4                             |         |          | N.U.       |
| 5                             |         |          | N.U.       |
| 6                             | VIO     | 0V       | SCSPK 1-2  |
| 7                             | GRN/PNK | +5V      | SCSPK 1-1  |

SCSPK = Spare Connector At Speaker



ANTENNE CN6

| CN 6<br>AERIAL |        |          |               |
|----------------|--------|----------|---------------|
| PIN            | COLOUR | FUNCTION | CONNECT<br>TO |
| 1              | PNK    | AERIAL   | AERIAL        |
| 2              |        | POLARIZE | N.U.          |

Dette er en ledning som er lagt ut rundt om kring i maskinen for å detektere transienter.  
Oppstår en transient resetter maskin.



HØYTALER CN7

| <b>CN 7<br/>SPEAKER</b> |               |                   |                       |
|-------------------------|---------------|-------------------|-----------------------|
| <b>PIN</b>              | <b>COLOUR</b> | <b>CONNECTION</b> | <b>CONNECT<br/>TO</b> |
| 1                       | GRY/BLK       | AUDIO OUT         | SPK                   |
| 2                       | BLK           | 0V                | SPK                   |
| 3                       |               | KEY               |                       |



DIREKTE INNGANGER MYNT CN9

| <b>CN9<br/>DIRECT INPUTS</b> |               |                            |                   |
|------------------------------|---------------|----------------------------|-------------------|
| <b>PIN</b>                   | <b>COLOUR</b> | <b>FUNCTION</b>            | <b>CONNECT TO</b> |
| 1                            | GRY/BLK       | HOPPER COUNT (20NOK/10NOK) | HPRB 1-5          |
| 2                            | GRY/BRN       | HOPPER COUNT 1NOK          | HPRB 1-6          |
| 3                            |               | N.U.                       | N.C               |
| 4                            | GRY/ORG       | COIN IN ( C ), 1NOK NEW    | COI 1-9           |
| 5                            | GRY/YEL       | COIN IN ( D ), 1NOK OLD    | COI 1-7           |
| 6                            | GRY/GRN       | COIN IN ( E ), 5NOK        | COI 1-6           |
| 7                            | GRY/BLU       | COIN IN ( F ), 10NOK       | COI 1-4           |
| 8                            | GRY/VIO       | COIN IN ( B ), 20NOK       | COI 1-2           |
| 9                            |               | N.U.                       | N.C               |
| 10                           |               | N.U.                       | N.C               |
| 11                           |               | N.U.                       | N.C               |
| 12                           |               | KEY                        |                   |

HPRB - Hopper base plate kontakt  
COI - Myntvekt I/O kontakt



DIREKTE INNGANGER SEDDEL CN10

| <b>CN10<br/>DIRECT INPUTS</b> |               |                  |                         |
|-------------------------------|---------------|------------------|-------------------------|
| <b>PIN</b>                    | <b>COLOUR</b> | <b>FUNCTION</b>  | <b>CONNECT TO</b>       |
| 1                             | VIO/WHT       | NOTE IN 50NOK    | DSI PL1-11<br>JCM CN1-5 |
| 2                             | VIO/BRN       | NOTE IN 100NOK   | DSI PL1-13<br>JCM CN1-7 |
| 3                             | VIO/RED       | NOTE IN 200NOK   | DSI PL1-7<br>JCM CN1-9  |
| 4                             | VIO/ORG       | NOTE IN 500NOK # | DSI PL1-8<br>JCM N.C.   |
| 5                             | VIO/YEL       | NOTE ALARM       | DSI PL1-1<br>JCM CN1-13 |
| 6                             |               |                  |                         |
| 7                             |               |                  |                         |
| 8                             |               |                  |                         |
| 9                             |               |                  |                         |
| 10                            |               |                  |                         |
| 11                            |               | KEY              |                         |
| 12                            |               |                  |                         |

DSI - Diversified seddelakseptør

JCM - Japan Cash seddelakseptør EBA10-PB

# - Inngangen er ikke aktiv grunnet regelverk



UTGANGER – TELLERE CN11

| <b>CN11<br/>METER OUTPUTS</b> |               |                          |                      |
|-------------------------------|---------------|--------------------------|----------------------|
| <b>PIN</b>                    | <b>COLOUR</b> | <b>FUNCTION</b>          | <b>CONNECT TO</b>    |
| 1                             | GRN/BLK       | METER 1 - TOTAL IN       | MTR 1-1 total in     |
| 2                             | GRN/BRN       | METER 2 - TOTAL OUT      | MTR 1-2 total out    |
| 3                             | GRN/RED       | METER 3 - TOTAL REFILL   | MTR 1-3 total refill |
| 4                             | GRN/ORG       | METER 4 - TOTAL NOTES    | MTR 1-4 total notes  |
| 5                             | GRN/WHT       | HOPPER DRIVE 10KR/20KR   | HPRB 1-2             |
| 6                             | GRN/GRY       | HOPPER DRIVE 1KR         | HPRB 1-3             |
| 7                             |               | N.U.                     | N.C.                 |
| 8                             |               | N.U.                     | N.C.                 |
| 9                             |               | N.U.                     | N.C.                 |
| 10                            |               | KEY                      |                      |
| 11                            |               | N.U.                     | N.U.                 |
| 12                            | YEL/PNK       | +12V WITH CURRENT DETECT | YEL/PNK              |

MTR - Telleverk boks plugg  
HPRB - Hopper base kontakt



TRANSISTOR UTGANGER – INHIBIT CN12

| <b>CN12</b><br><b>TRANSISTOR OUTPUTS</b> |               |                      |                   |
|------------------------------------------|---------------|----------------------|-------------------|
| <b>PIN</b>                               | <b>COLOUR</b> | <b>FUNCTION</b>      | <b>CONNECT TO</b> |
| 1                                        |               | N.U.                 | N.C.              |
| 2                                        |               | KEY                  |                   |
| 3                                        | BLU/BLK       | COIN B, INHIBIT (20) | CIO 1-16          |
| 4                                        | BLU/BRN       | COIN C, 1NOK NEW     | CIO 1-10          |
|                                          |               | COIN D, 1NOK OLD     | COI 1-13          |
|                                          |               | COIN E, INHIBIT (5)  | COI 1-14          |
| 5                                        | BLU/RED       | COIN F, INHIBIT (10) | CIO 1-15          |
| 6                                        | BLU/ORG       | ALL NOTES INHIBIT    | JCM CN1-16        |
|                                          |               |                      | DSI PL1-10        |
| 7                                        | BLU/YEL       | 1KR DIVERT           | RIH 1-1           |
| 8                                        | BLU/GRN       | NOTE ESCROW          | DSI PL1-4         |
| 9                                        | BLU/VIO       | 10KR/20KR DIVERT     | RIH 1-2           |
| 10                                       |               | N.U.                 | N.C.              |
| 11                                       |               | N.U.                 | N.C.              |
| 12                                       |               | N.U.                 | N.C.              |
| 13                                       |               | N.U.                 | N.C.              |
| 14                                       |               | N.U.                 | N.C.              |

DSI = DIVERSIFIED CONNECTOR  
JCM = JAPAN CASH CONNECTOR  
CIO = COINMECH I/O CONNECTOR  
RIH = ROUTE INHIBIT CONNECTOR



MATRISSE INNGANGER – KNAPPER CN15

| <b>CN15<br/>MULTIPLEXED INPUTS</b> |               |                 |                            |
|------------------------------------|---------------|-----------------|----------------------------|
| <b>PIN</b>                         | <b>COLOUR</b> | <b>FUNCTION</b> | <b>CONNECT TO</b>          |
| 1                                  |               | N.U.            | N.C.                       |
| 2                                  | BLK/BRN       | START BUTTON    | <START> button             |
| 3                                  | BLK/RED       | STAKE BUTTON    | <INNSATS> button           |
| 4                                  | BLK/ORG       | COLLECT BUTTON  | <ANGRE/UTBETAL> button     |
| 5                                  | BLK/YEL       | HOLD 5 BUTTON   | <HOLD 5> button            |
| 6                                  | BLK/GRN       | HOLD 4 BUTTON   | <HOLD 4> button            |
| 7                                  | BLK/BLU       | HOLD 3 BUTTON   | <HOLD 3> button            |
| 8                                  | BLK/VIO       | HOLD 2 BUTTON   | <HOLD 2> button            |
| 9                                  |               | KEY             |                            |
| 10                                 | BLK/GRY       | HOLD 1 BUTTON   | <HOLD 1> button            |
| 11                                 | BLK           | BUTTON COMMON   | Common to all CN15 buttons |
| 12                                 |               | N.U.            | N.C.                       |



MATRISSE INNGANGER – KNAPPER CN16

| <b>CN16<br/>MULTIPLEXED INPUTS</b> |               |                              |                        |
|------------------------------------|---------------|------------------------------|------------------------|
| <b>PIN</b>                         | <b>COLOUR</b> | <b>FUNCTION</b>              | <b>CONNECT<br/>TO</b>  |
| 1                                  |               | N.U.                         | N.C.                   |
| 2                                  |               | N.U.                         | N.C.                   |
| 3                                  | ORG/BRN       | KENO SELECT BUTTON           | <QUIK PIC KENO> button |
| 4                                  | ORG/RED       | POKER SELECT BUTTON          | <JOKER POKER> button   |
| 5                                  | ORG/YEL       | BARS 'N' SEVEN SELECT BUTTON | <BARS 'n' 7's> button  |
| 6                                  | ORG/GRN       | PAY OUT BUTTON               | <UTBETAL> button       |
| 7                                  |               | N.U.                         | N.C.                   |
| 8                                  |               | KEY                          |                        |
| 9                                  |               | N.U.                         | N.C.                   |
| 10                                 |               | N.U.                         | N.C.                   |
| 11                                 | ORG           | BUTTON COMMON                | Common to CN16 buttons |
| 12                                 |               | N.U.                         | N.C.                   |



MATRISSE INNGANGER – BRYTERE CN17

| <b>CN17<br/>MULTIPLEXED INPUTS</b> |               |                                 |                                              |
|------------------------------------|---------------|---------------------------------|----------------------------------------------|
| <b>PIN</b>                         | <b>COLOUR</b> | <b>FUNCTION</b>                 | <b>CONNECT TO</b>                            |
| 1                                  |               | N.U.                            | N.C.                                         |
| 2                                  | YEL/BLK       | REFILL KEY 1 (REFILLKEY)        | REFILL KEY                                   |
| 3                                  | YEL/BRN       | REFILL KEY 2 (SERVICEKEY)       | SERVICE KEY                                  |
| 4                                  | YEL/RED       | TEST SWITCH                     | TST SW                                       |
| 5                                  | YEL/ORG       | FRONT DOOR SWITCH               | FRD SW                                       |
| 6                                  | YEL/BLU       | CASHDOOR SWITCH                 | CAD SW                                       |
| 7                                  |               | KEY                             |                                              |
| 8                                  | YEL/VIO       | HOPPER LOW SWITCH (10/20KR)     | HPRB 1-9                                     |
| 9                                  | YEL/GRY       | NOTE SECURITY SWITCH # (SPARE ) | SPR AT SP. 1-4                               |
| 10                                 | YEL/WHT       | HOPPER LOW SWITCH (1KR)         | HPRB 1-10                                    |
| 11                                 | YEL/VIO/BLK   | SWITCH COMMON 1                 | SERVICE DOOR SW<br>REFILL KEY<br>SERVICE KEY |
| 12                                 | YEL/VIO/BRN   | SWITCH COMMON 2                 | HPRB 1-8<br>CASH DOOR                        |

HPRB - Hopper Base Connector



KOMMUNIKASJONS PORT CN27

| CN27<br>COMMS PORT |         |           |               |
|--------------------|---------|-----------|---------------|
| PIN                | COLOUR  | FUNCTION  | CONNECT TO    |
| 1                  | VIO/PNK | 0V COMMON | MBR 9-WAY - 5 |
| 2                  | PNK/BRN | RECEIVE   | MBR 9-WAY - 2 |
| 3                  | PNK/BLK | TRANSMIT  | MBR 9-WAY - 3 |
| 4                  |         |           |               |
| 5                  |         |           |               |
| 6                  |         |           |               |
| 7                  |         |           |               |
| 8                  |         |           |               |
| 9                  |         |           |               |
| 10                 |         |           |               |
| 11                 |         |           |               |
| 12                 |         |           |               |
| 13                 |         |           |               |
| 14                 |         |           |               |
| 15                 |         |           |               |
| 16                 |         |           |               |
| 17                 |         |           |               |
| 18                 |         |           |               |
| 19                 |         |           |               |
| 20                 |         |           |               |
| 21                 |         |           |               |
| 22                 |         |           |               |
| 23                 |         |           |               |
| 24                 |         |           |               |
| 25                 |         |           |               |

MBR - Kommunikasjonsplugg brakett på telleverk



STRØMTILFØRSEL CN22

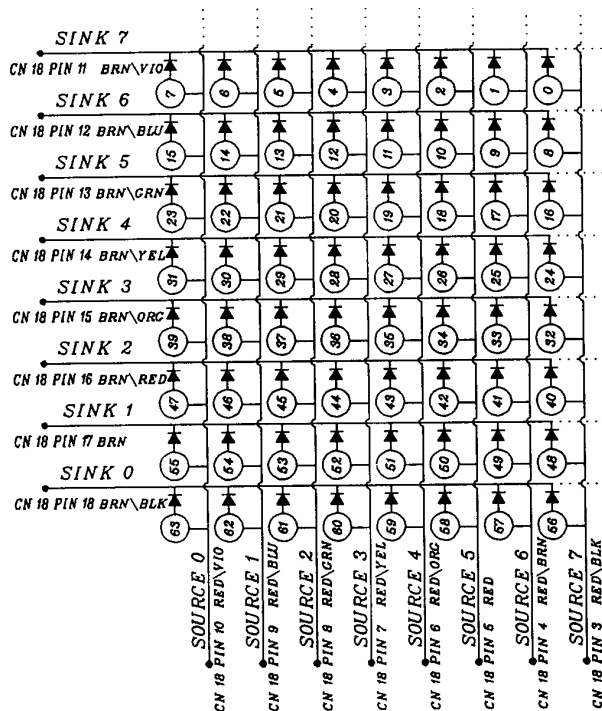
| <b>CN22<br/>POWER IN</b> |               |                 |                   |
|--------------------------|---------------|-----------------|-------------------|
| <b>PIN</b>               | <b>COLOUR</b> | <b>FUNCTION</b> | <b>CONNECT TO</b> |
| 1                        | VIO           | 0V              | PSU PL1-1         |
| 2                        | VIO           | 0V              | PSU PL1-2         |
| 3                        | VIO           | 0V              | PSU PL1-5         |
| 4                        | VIO           | 0V              | PSU PL1-6         |
| 5                        |               | N.U.            | N.C.              |
| 6                        |               | N.U.            | N.C.              |
| 7                        | YEL           | +12V            | PSU PL1-3         |
| 8                        | YEL           | +12V            | PSU PL1-4         |
| 9                        |               | N.U.            | N.C.              |
| 10                       |               | N.U.            | N.C.              |
| 11                       |               | KEY             |                   |
| 12                       |               | N.U.            | N.C.              |
| 13                       | BRN           | +48V            | PSU PL 1-9        |
| 14                       | BRN           | +48V            | PSU PL 1-10       |

PSU - Powersupply Unit - Strømforsyning



LAMPEUTGANGER CN18

| <b>CN18 - LAMPS 1<br/>MULTIPLEXED LAMPS</b> |               |                 |                                |
|---------------------------------------------|---------------|-----------------|--------------------------------|
| <b>PIN</b>                                  | <b>COLOUR</b> | <b>FUNCTION</b> | <b>CONNECT TO</b>              |
| 1                                           |               | SPARE           | N.C.                           |
| 2                                           |               | KEY             |                                |
| 3                                           | RED/BLK       | SOURCE 7        | LAMP 0, 8, 16, 24, 40, 48      |
| 4                                           | RED/BRN       | SOURCE 6        | LAMP 1, 9, 17, 25, 33, 41      |
| 5                                           | RED           | SOURCE 5        | LAMP 2, 10, 18, 26, 34         |
| 6                                           | RED/ORG       | SOURCE 4        | LAMP 3, 11, 19, 27, 35         |
| 7                                           | RED YEL       | SOURCE 3        | LAMP 4, 12, 20, 28, 36, 44, 52 |
| 8                                           | RED/GRN       | SOURCE 2        | LAMP 5, 13, 21, 29, 37, 45, 53 |
| 9                                           |               | SOURCE 1        | N.C.                           |
| 10                                          |               | SOURCE 0        | N.C.                           |
| 11                                          | BRN/VIO       | SINK 7          | LAMP 0, 1, 2, 3, 4, 5          |
| 12                                          | BRN/BLU       | SINK 6          | LAMP 8, 9, 10, 11, 12, 13      |
| 13                                          | BRN/GRN       | SINK 5          | LAMP 16, 17, 18, 19, 20, 21    |
| 14                                          | BRN/YEL       | SINK 4          | LAMP 24, 25, 26, 27, 28, 29    |
| 15                                          | BRN/ORG       | SINK 3          | LAMP 32, 33, 34, 35, 36, 37    |
| 16                                          | BRN/RED       | SINK 2          | LAMP 40, 41, 44, 45            |
| 17                                          | BRN           | SINK 1          | LAMP 48, 52, 53                |
| 18                                          | BRN/BLK       | SINK 0          | N.C.                           |





**LAMPEUTGANGER CN19**

Not Used In Casino Winner

| <b>CN19 - LAMPS 2<br/>MULTIPLEXED LAMPS</b> |               |                 |                   |
|---------------------------------------------|---------------|-----------------|-------------------|
| <b>PIN</b>                                  | <b>COLOUR</b> | <b>FUNCTION</b> | <b>CONNECT TO</b> |
| 1                                           |               |                 | N.C.              |
| 2                                           |               |                 | N.C.              |
| 3                                           |               | KEY             |                   |
| 4                                           |               |                 | N.C.              |
| 5                                           |               |                 | N.C.              |
| 6                                           |               |                 | N.C.              |
| 7                                           |               |                 | N.C.              |
| 8                                           |               |                 | N.C.              |
| 9                                           |               |                 | N.C.              |
| 10                                          |               |                 | N.C.              |
| 11                                          |               |                 | N.C.              |
| 12                                          |               |                 | N.C.              |
| 13                                          |               |                 | N.C.              |
| 14                                          |               |                 | N.C.              |
| 15                                          |               |                 | N.C.              |
| 16                                          |               |                 | N.C.              |
| 17                                          |               |                 | N.C.              |
| 18                                          |               |                 | N.C.              |

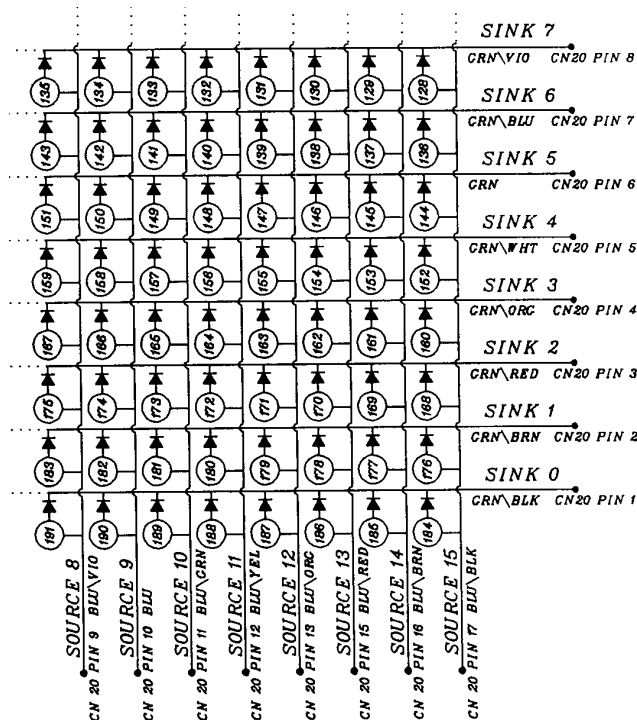




## LAMPEUTGANGER CN20

Not Used In Casino Winner

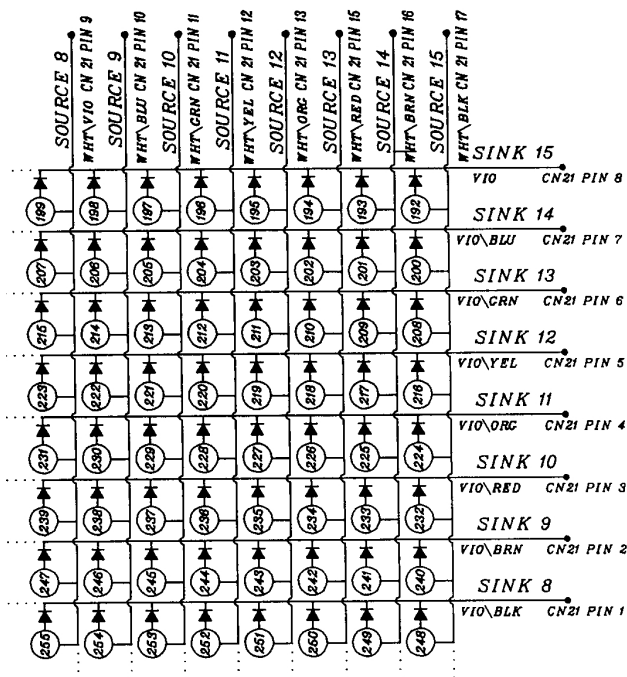
| <b>CN20 LAMPS 3<br/>MULTIPLEXED LAMPS</b> |               |                 |                   |
|-------------------------------------------|---------------|-----------------|-------------------|
| <b>PIN</b>                                | <b>COLOUR</b> | <b>FUNCTION</b> | <b>CONNECT TO</b> |
| 1                                         |               | SINK 0          | N.C.              |
| 2                                         |               | SINK 1          | N.C.              |
| 3                                         |               | SINK 2          | N.C.              |
| 4                                         |               | SINK 3          | N.C.              |
| 5                                         |               | SINK 4          | N.C.              |
| 6                                         |               | SINK 5          | N.C.              |
| 7                                         |               | SINK 6          | N.C.              |
| 8                                         |               | SINK 7          | N.C.              |
| 9                                         |               | SOURCE 8        | N.C.              |
| 10                                        |               | SOURCE 9        | N.C.              |
| 11                                        |               | SOURCE 10       | N.C.              |
| 12                                        |               | SOURCE 11       | N.C.              |
| 13                                        |               | SOURCE 12       | N.C.              |
| 14                                        |               | SOURCE 13       | N.C.              |
| 15                                        |               | KEY             |                   |
| 16                                        |               |                 | N.C.              |
| 17                                        |               |                 | N.C.              |
| 18                                        |               |                 | N.C.              |





LAMPEUTGANGER CN21

| <b>CN21 - LAMPS 4<br/>MULTIPLEXED LAMPS</b> |               |                 |                                             |
|---------------------------------------------|---------------|-----------------|---------------------------------------------|
| <b>PIN</b>                                  | <b>COLOUR</b> | <b>FUNCTION</b> | <b>CONNECT TO</b>                           |
| 1                                           |               | SINK 8          | N.C.                                        |
| 2                                           | VIO/BRN       | SINK 9          | LAMP 240, 241, 242, 243, 244, 245, 246, 247 |
| 3                                           | VIO/RED       | SINK 10         | LAMP 232, 233, 234, 235, 236, 237, 238, 239 |
| 4                                           | VIO/ORG       | SINK 11         | LAMP 224, 225, 226, 227, 228, 229, 230, 231 |
| 5                                           | VIO/YEL       | SINK 12         | LAMP 217, 218, 219, 220, 221, 222, 223      |
| 6                                           | VIO/GRN       | SINK 13         | LAMP 209, 210, 211, 212, 213, 214, 215      |
| 7                                           | VIO/BLU       | SINK 14         | LAMP 201, 202, 203, 204, 205, 206, 207      |
| 8                                           | VIO           | SINK 15         | LAMP 193, 194, 195, 196, 197, 198, 199      |
| 9                                           | WHT/GRN       | SOURCE 8        | LAMP 199, 207, 215, 223, 231, 239, 247      |
| 10                                          | WHT/BLU       | SOURCE 9        | LAMP 198, 206, 214, 222, 230, 238, 246      |
| 11                                          | WHT/GRN       | SOURCE 10       | LAMP 197, 205, 213, 221, 229, 237, 245      |
| 12                                          | WHT/YEL       | SOURCE 11       | LAMP 196, 204, 212, 220, 228, 236, 244      |
| 13                                          | WHT/ORG       | SOURCE 12       | LAMP 195, 203, 211, 219, 227, 235, 243      |
| 14                                          |               | KEY             |                                             |
| 15                                          | WHT/RED       | SOURCE 13       | LAMP 194, 202, 210, 218, 226, 234, 242      |
| 16                                          | WHT/BRN       | SOURCE 14       | LAMP 193, 201, 209, 217, 225, 233, 241      |
| 17                                          | WHT/BLK       | SOURCE 15       | LAMP 192, 224, 232, 240                     |
| 18                                          | BRN/BLK       | N.U.            |                                             |



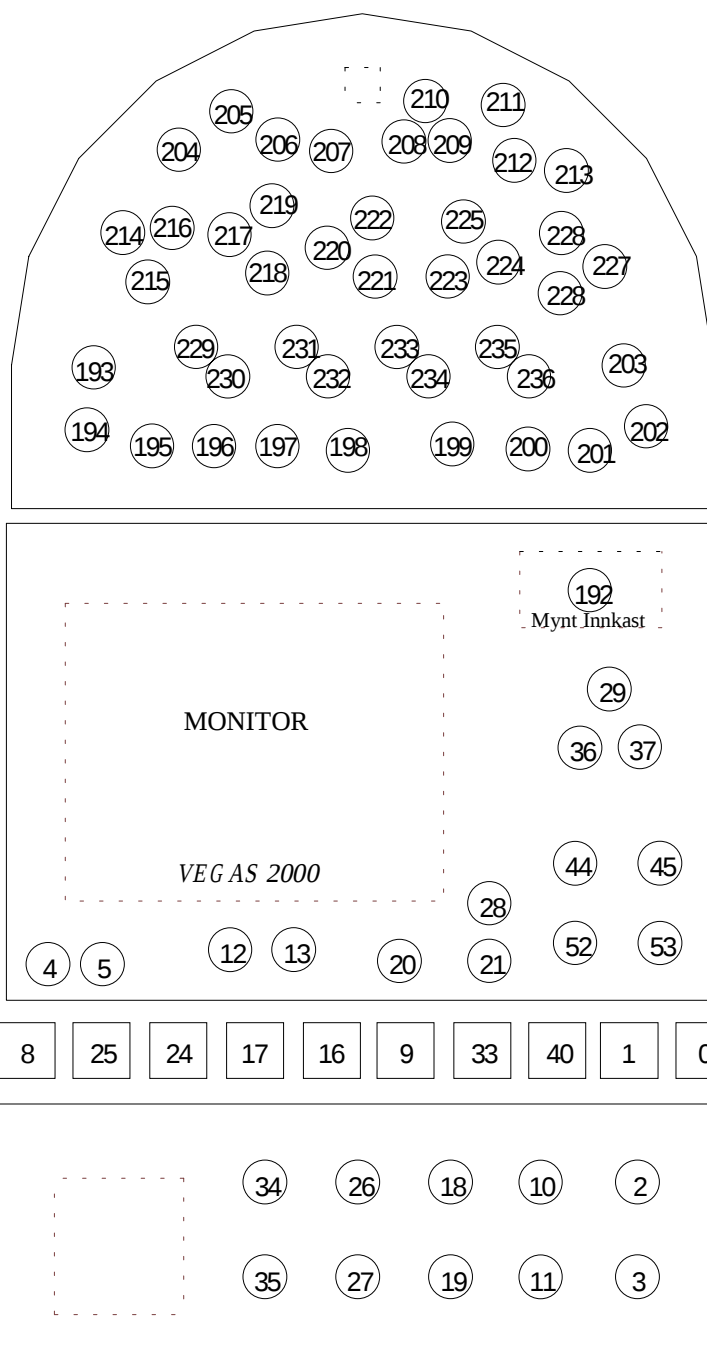


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**Vegas 2000** <sup>TM</sup>

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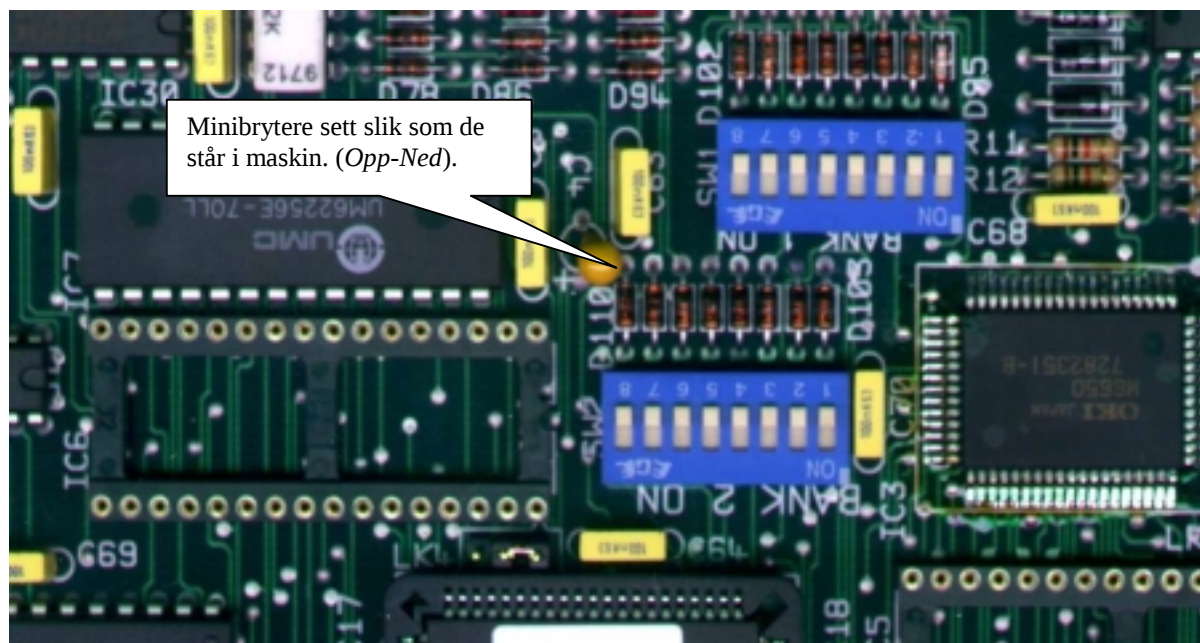


## LAMPE PLASSERING





## DIL SWITCHES

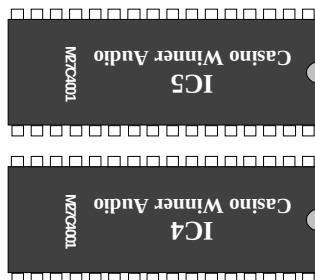




## SOFTWARE

### E-PROM AUDIO

Audio software består av to E-prommer, IC4 og IC5



| POS | NAVN/UTGAVE | DATO       | TYPE  | CHK. SUM | NOTAT          |
|-----|-------------|------------|-------|----------|----------------|
| IC4 | IC4         | 21.12.1998 | 4Mbit | 171A9E   | Samme som T.W. |
| IC5 | IC5         | 21.12.1998 | 4Mbit | 9238DB   | Samme som T.W. |
|     |             |            |       |          |                |
|     |             |            |       |          |                |

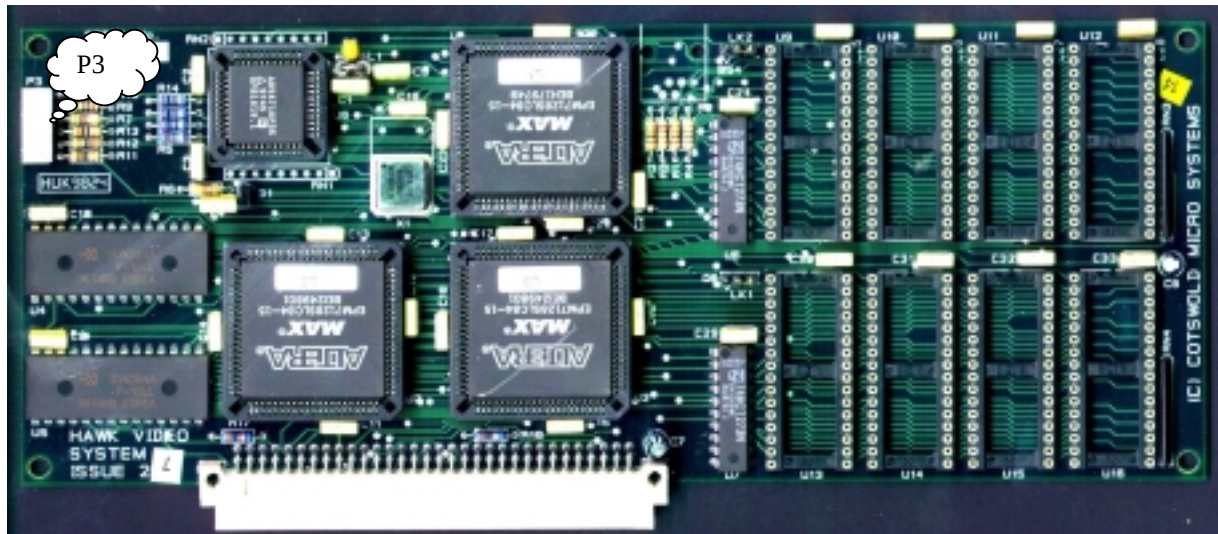
### E-PROM SPILL



| POS | NAVN/UTGAVE | DATO       | TYPE  | CHK.SUM | NOTAT |
|-----|-------------|------------|-------|---------|-------|
| IC  | Vegas 1.3   | 21.12.1998 | 4Mbit | 5F8200  |       |
|     |             |            |       |         |       |
|     |             |            |       |         |       |



## CMS GRAPHIC BOARD



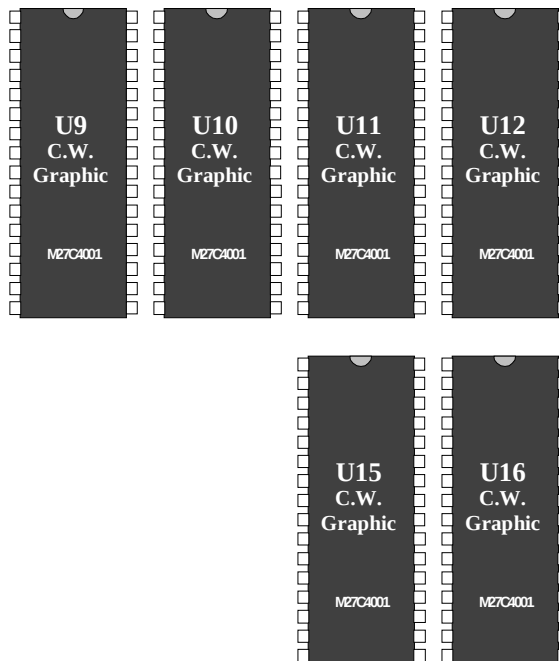
### PLUGGER – I/O

#### RGB VIDEO CONNECTOR PL3

| <i>P3</i><br><i>VIDEO OUTPUT</i> |               |                 |                   |
|----------------------------------|---------------|-----------------|-------------------|
| <i>PIN</i>                       | <i>COLOUR</i> | <i>FUNCTION</i> | <i>CONNECT TO</i> |
| 1                                | RED/BRN       | RED SIGNAL      | MON PB201 R       |
| 2                                | GRN           | GREEN SIGNAL    | MON PB201 G       |
| 3                                | BLU           | BLUE SIGNAL     | MON PB201 B       |
| 4                                | BLK           | 0V              | MON PB201 RE      |
| 5                                | YEL           | SYNCH           | MON PB201 VS      |
| 6                                | WHT           | SYNCH           | MON PB201 HS      |



## E-PROMMER GRAFIKK



| POS | NAVN/UTGAVE | DATO       | TYPE  | CHK.SUM | NOTAT |
|-----|-------------|------------|-------|---------|-------|
| U9  | U9 V2K.     | 21.12.1998 | 4Mbit | C515    |       |
| U10 | U10 C.W.    | 21.12.1998 | 4Mbit | 50F0    |       |
| U11 | U11 C.W.    | 21.12.1998 | 4Mbit | BFB6    |       |
| U12 | U12 C.W.    | 21.12.1998 | 4Mbit | 76EE    |       |
| U15 | U15 C.W.    | 21.12.1998 | 4Mbit | B79E    |       |
| U16 | U16 C.W.    | 21.12.1998 | 4Mbit | EA4C    |       |
|     |             |            |       |         |       |
|     |             |            |       |         |       |

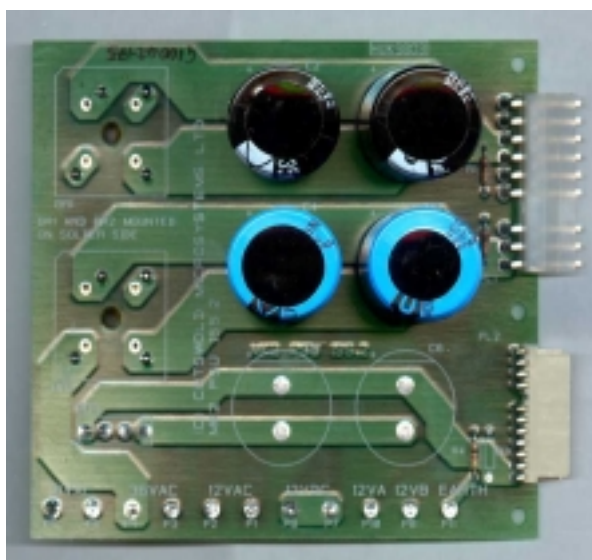


## CMS PSU

### TRANSFORMATOR BOKS

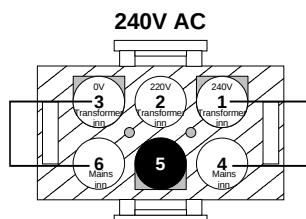
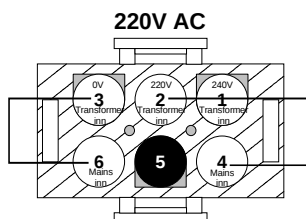
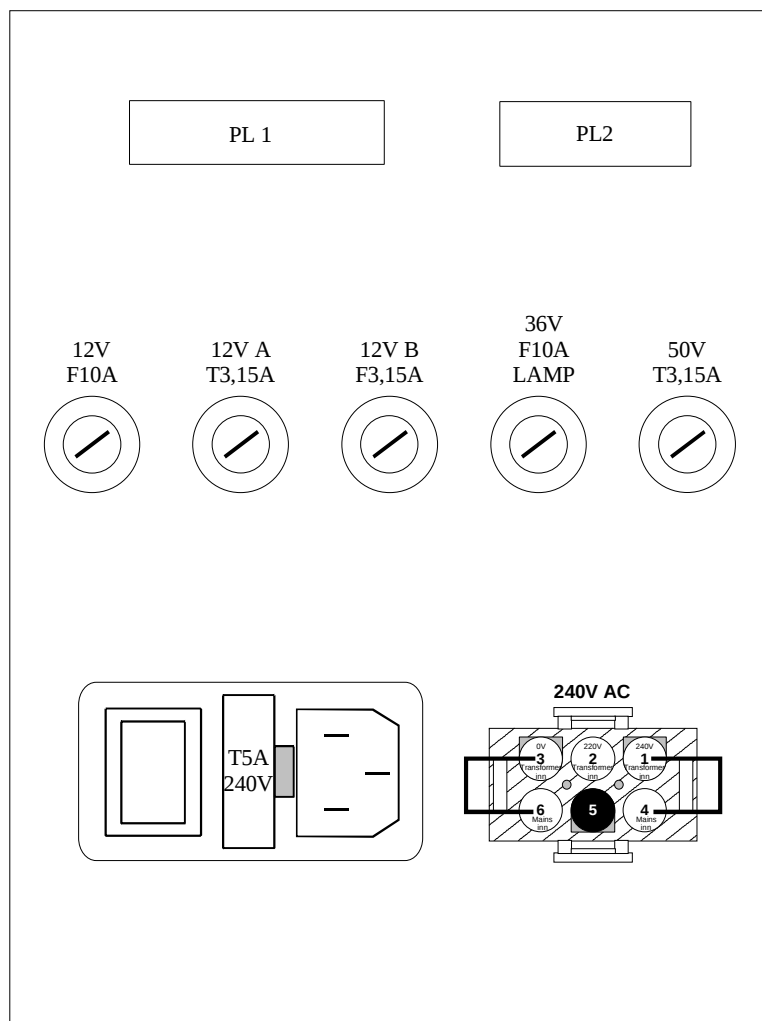


### LIKERETTER KRETSKORT





## SIKRINGER OG SPENNINGSVELGER





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PLUGG PL1

| <b>PL 1<br/>PSU CONNECTOR</b> |               |                 |                   |
|-------------------------------|---------------|-----------------|-------------------|
| <b>PIN</b>                    | <b>COLOUR</b> | <b>FUNCTION</b> | <b>CONNECT TO</b> |
| 1                             | VIO           | 0V              | MPU CN 22-1       |
| 2                             | VIO           | 0V              | MPU CN 22-2       |
| 3                             | YEL           | +12V            | MPU CN 22-7       |
| 4                             | YEL           | +12V            | MPU CN 22-8       |
| 5                             | VIO           | 0V              | MPU CN 22-3       |
| 6                             | VIO           | 0V              | MPU CN 22-4       |
| 7                             |               | KEY             |                   |
| 8                             |               | N.U.            |                   |
| 9                             | BRN           | +48V            | MPU CN 22-13      |
| 10                            | BRN           | +48V            | MPU CN 22-14      |

MPU - Hovedkort



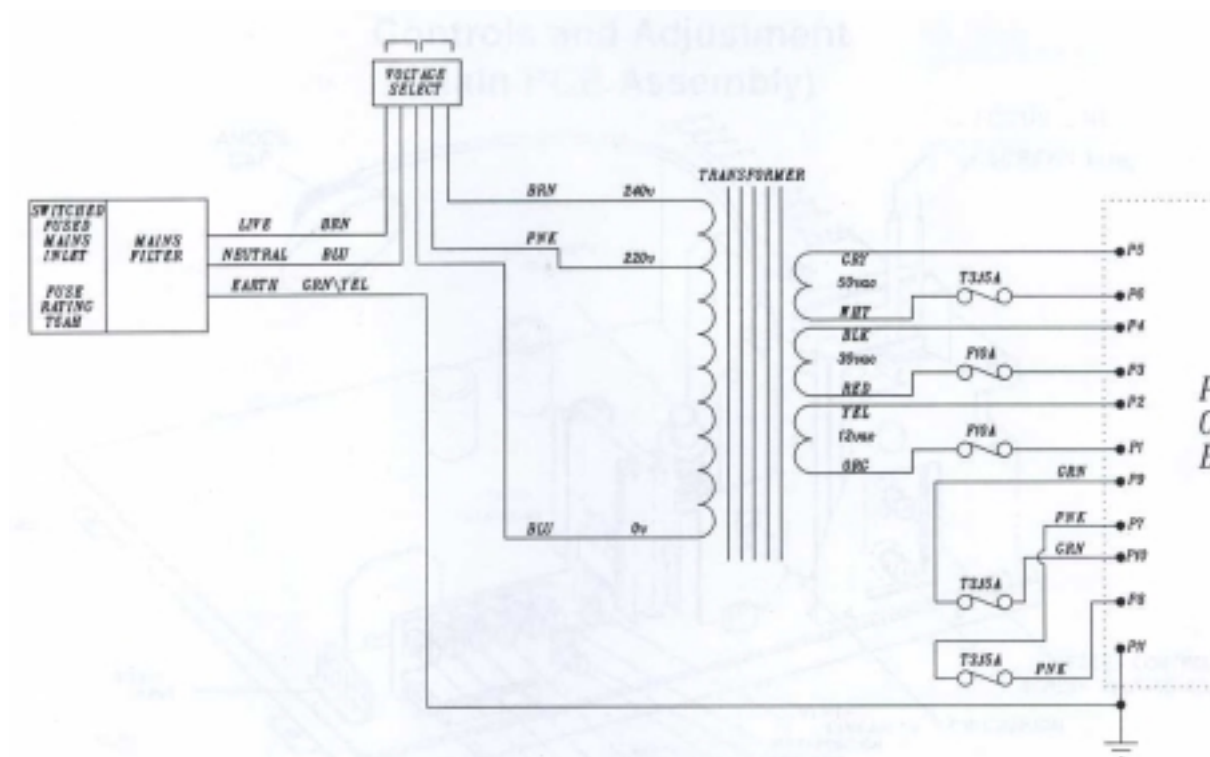
PLUGG PL2

| <b>PL 2<br/>PSU CONNECTOR</b> |               |                 |                                                                              |
|-------------------------------|---------------|-----------------|------------------------------------------------------------------------------|
| <b>PIN</b>                    | <b>COLOUR</b> | <b>FUNCTION</b> | <b>CONNECT TO</b>                                                            |
| 1                             | VIO           | 0V              | SERVICEDOOR SWITCH ( 4 )<br>CASHBOXDOOR SWITCH ( 1 )                         |
| 2                             | VIO           | 0V              | COINMECH CIO 1-3<br>COINMECH RIH 1-9                                         |
| 3                             | VIO           | 0V              | HOPPER BASE HPRB 1-16<br>NOTEVALIDATOR JCM CN1-2<br>NOTEVALIDATOR DSI PL1-14 |
| 4                             | VIO           | 0V              | FAN (BLK)<br>R.A.I.D. ALARM PL 1-2                                           |
| 5                             |               | KEY             |                                                                              |
| 6                             | YEL           | +12V A          | COINMECH CIO 1-11                                                            |
| 7                             | YEL           | +12V A          | NOTEVALIDATOR JCM CN1-1<br>NOTEVALIDATOR DSI PL1-16                          |
| 8                             | YEL           | +12V A          | R.A.I.D. ALARM PL1-1                                                         |
| 9                             | YEL           | +12V B          | FAN (RED)                                                                    |
| 10                            | VIO/GRN       | +12V B          | HOPPER BASE HPRB 1-1                                                         |
| 11                            |               | +24V            | N.C.                                                                         |
| 12                            |               | +24V            | N.C.                                                                         |

FAN - Vifte  
CIO - I/O Plugg Myntvekt  
RIH - Route Inhibit Plugg Myntvekt  
HPRB - Hopper Base Kontakt  
JCM - Japan Cash Seddelakseptør  
DSI - Diversified Seddelakseptør

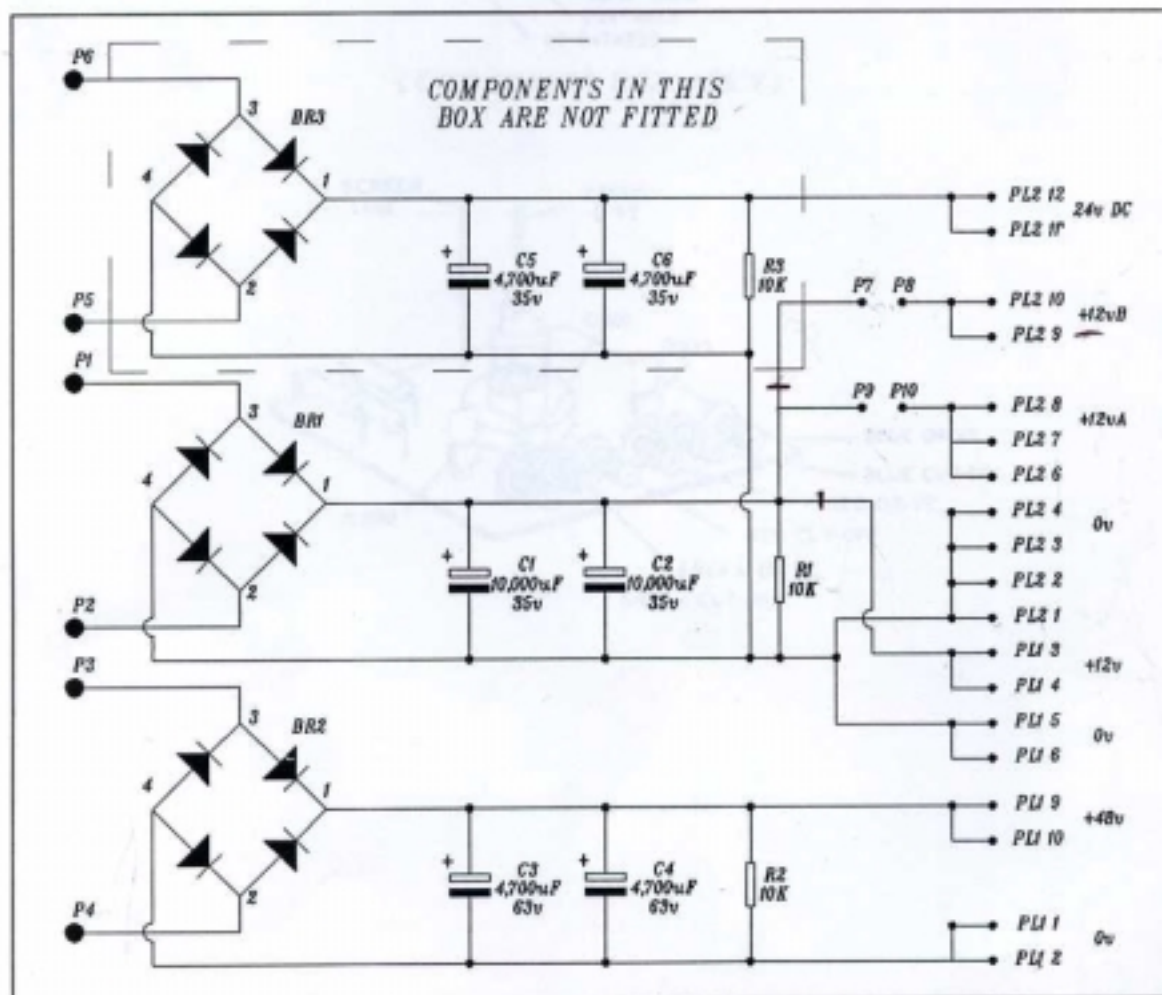


## SKJEMA TRAFØ



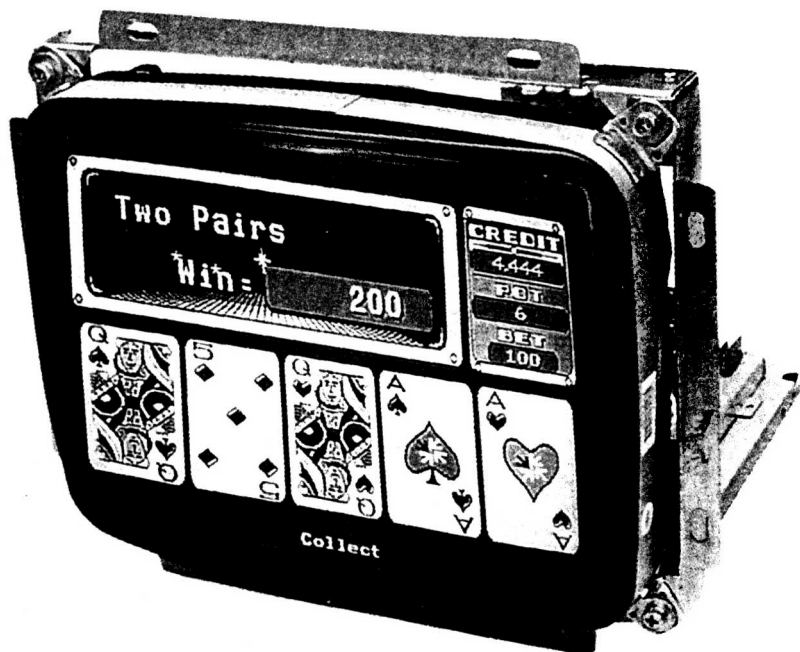


SKJEMA STRØMFORSYNING

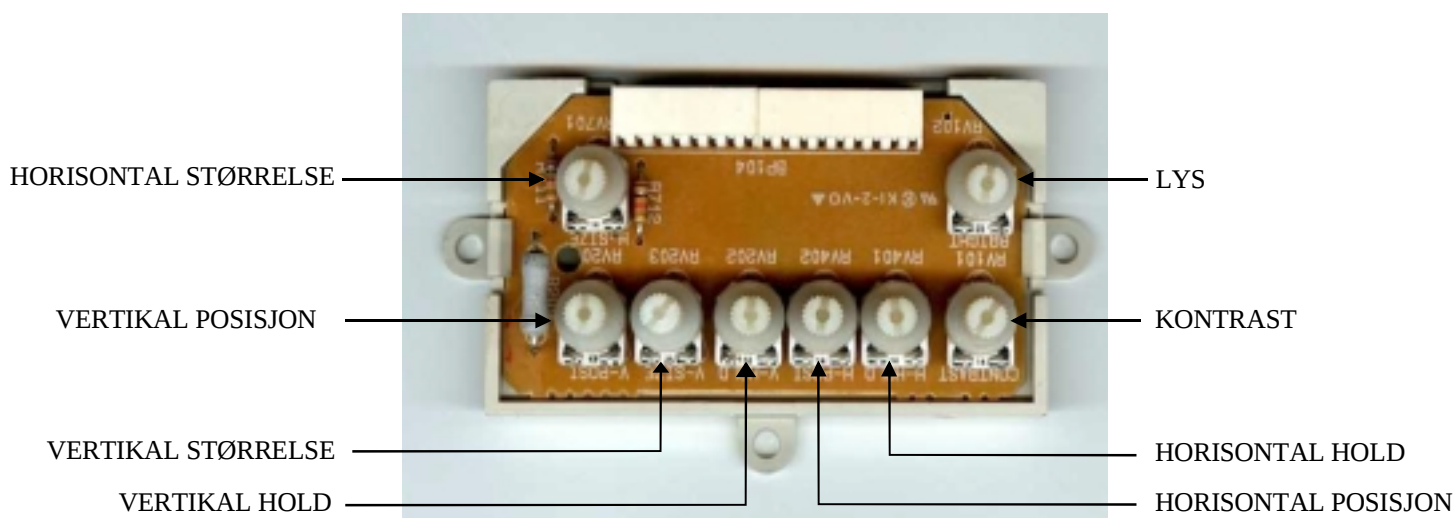




## CGA MONITOR KT 1401M



## KONTROLLER KORT





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## RTC II INTERFACE KORT

### VIRKEMÅTE

**Obs!** Dette kortet finnes i to utgaver:

1). For maskiner som ikke er klargjort til å detektere serienummer i fra seddel leser.

- Universalt. Dette kortet vil ikke fungere i Casino Winner MkII.

2). For maskiner som er klargjort til å detektere serienummer i fra seddel leser.

- Casino Winner MkII er klargjort for dette kortet.

Dette kortet har til oppgave å omforme signalet fra en seddel leser med seriell protokoll slik at maskinen "forstår" signalene.

Dette kortet krever at seddel akseptoren har seriell software montert eller aktivisert.

Signalene fra seddel akseptoren koplet til plugg P2.

For at kortet skal fungere må minibryterene stilles i henhold til hvilken seddelakseptor som Benyttes samt hvilken form for signal maskinen er klar for. Se neste side.

Casino Winner benytter parallell kommunikasjon, en signal ledning for hver seddel.

Signalet til maskinen er koplet til P1, P4 eller P5 avhengig av hvilken plugg maskinen er utstyrt med. Dersom maskin er utstyrt med flere plugger benytt kun en av dem.

Kortet er utstyrt med en lysdiode som skal lyse konstant dersom all kommunikasjon er i orden.

Dersom lysdiode blinker, sakte eller hurtig, skyldes dette en ekstern eller intern kommunikasjonsfeil eller alarm. (Sjekk minibryter oppsett og tilkoplinger og eventuelt installasjonsmenyen).

For å nullstille alarm må maskin slås av og på med nettbryter. Kortet resettes/nullstilles kun ved tilkopling av spenning.



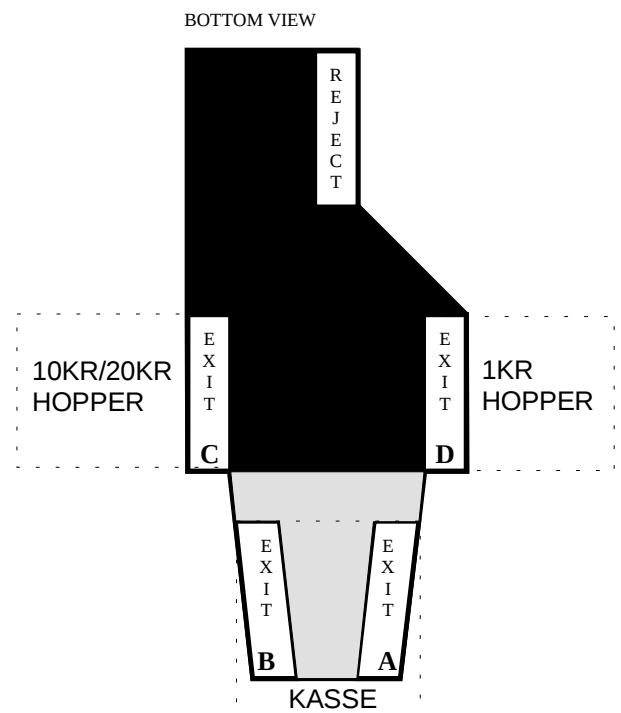
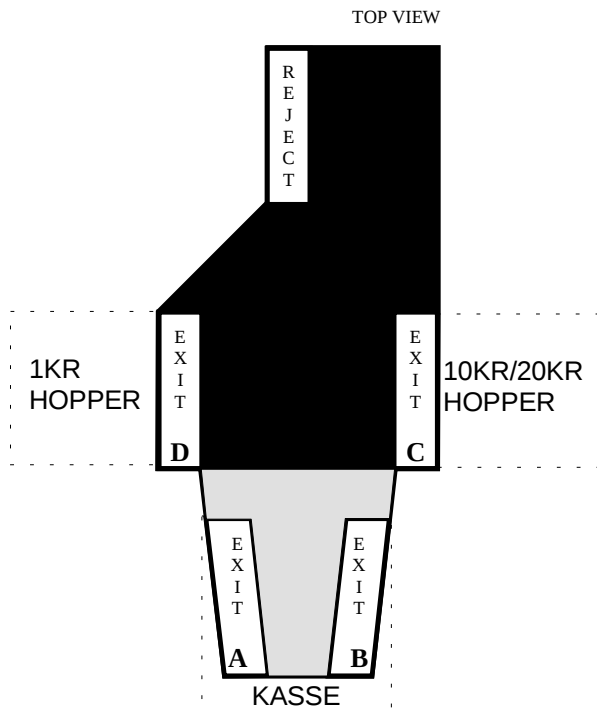
## MYNT INNKAST

### COINCONTROL C435s

Myntinnkastet krever ikke routingplugg for å kunne fordele mynt til utbetalingsenhet og kass

## TEKNISKE DATA

|                               |                                                                                       |
|-------------------------------|---------------------------------------------------------------------------------------|
| <b>Supply voltage:</b>        | +12V DC +24V DC                                                                       |
| <b>Supply voltage ripple:</b> | Within Vmin to Vmax up to 100Hz, <250V pk – pk<br>for Frequency>100Hz.                |
| <b>Current consumption:</b>   | Quiescent current 35mA max<br>Max current 2.5A max (4 solenoids active, CashFlow 129) |

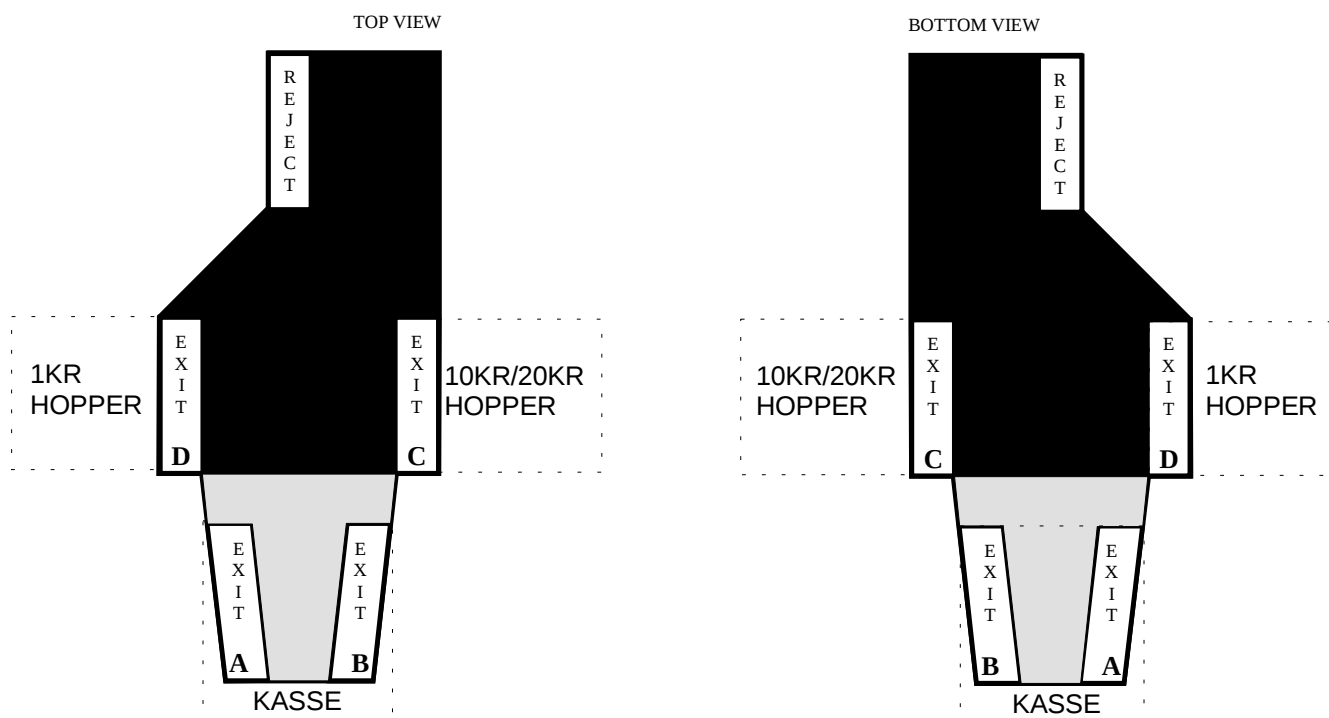




## 20KR OG 1KR TIL UTBETALINGSENHET



Når routing plugg konfigureres er det viktig at pinner settes korrekt i, låsetapp mot hull i plugg. Pass på at låsetapp ikke er flat. Napp i ledning for å forsikre om at pinne sitter fastlåst. Dersom pinne skal fjernes må låsetapp presses ned.





## GENERELL ROUTING

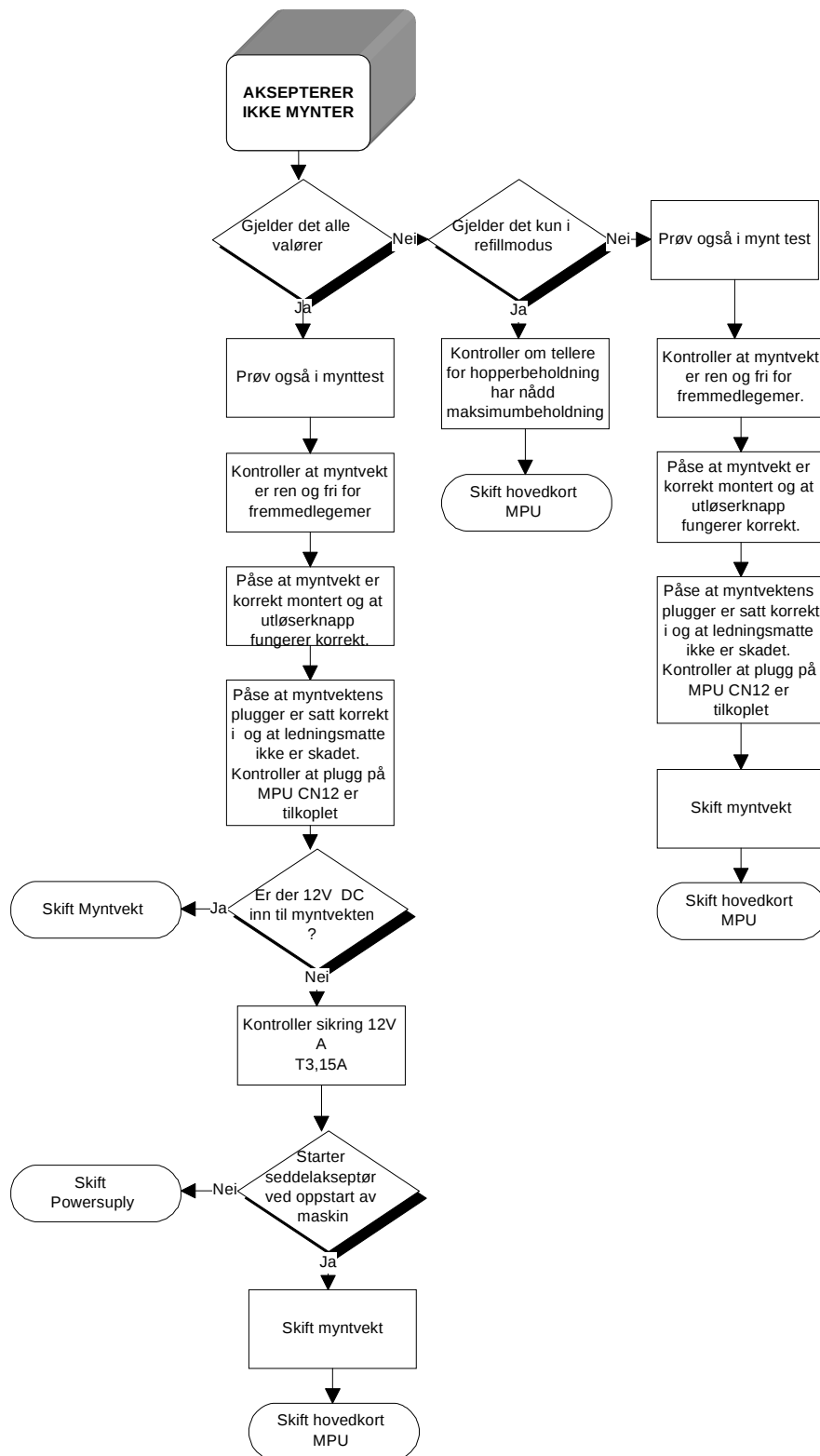


## I/O SIGNAL TILKOPLINGER



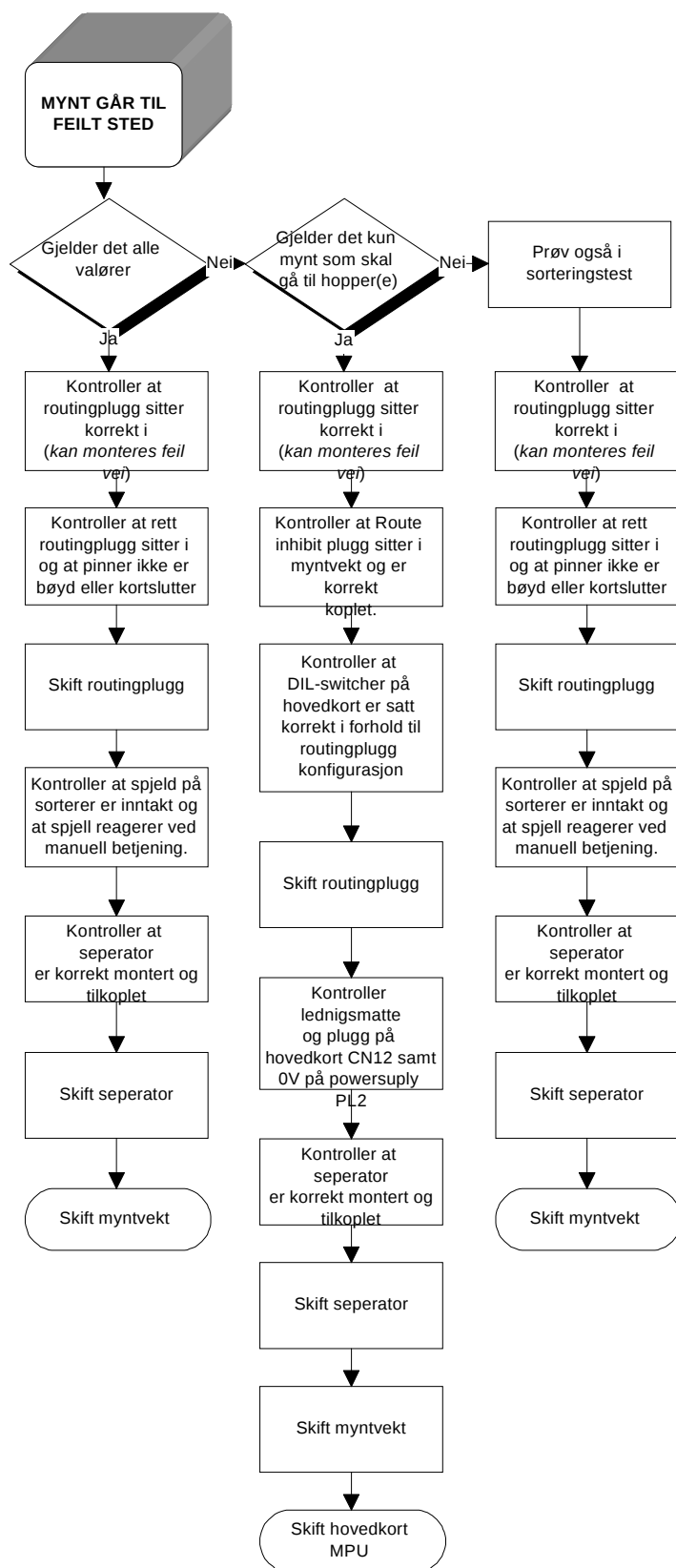
## FEILSØKING - MYNTINNKAST CASHFLOW ME126

### INGEN AKSEPT - FEILSØKINGS FLYTSKJEMA



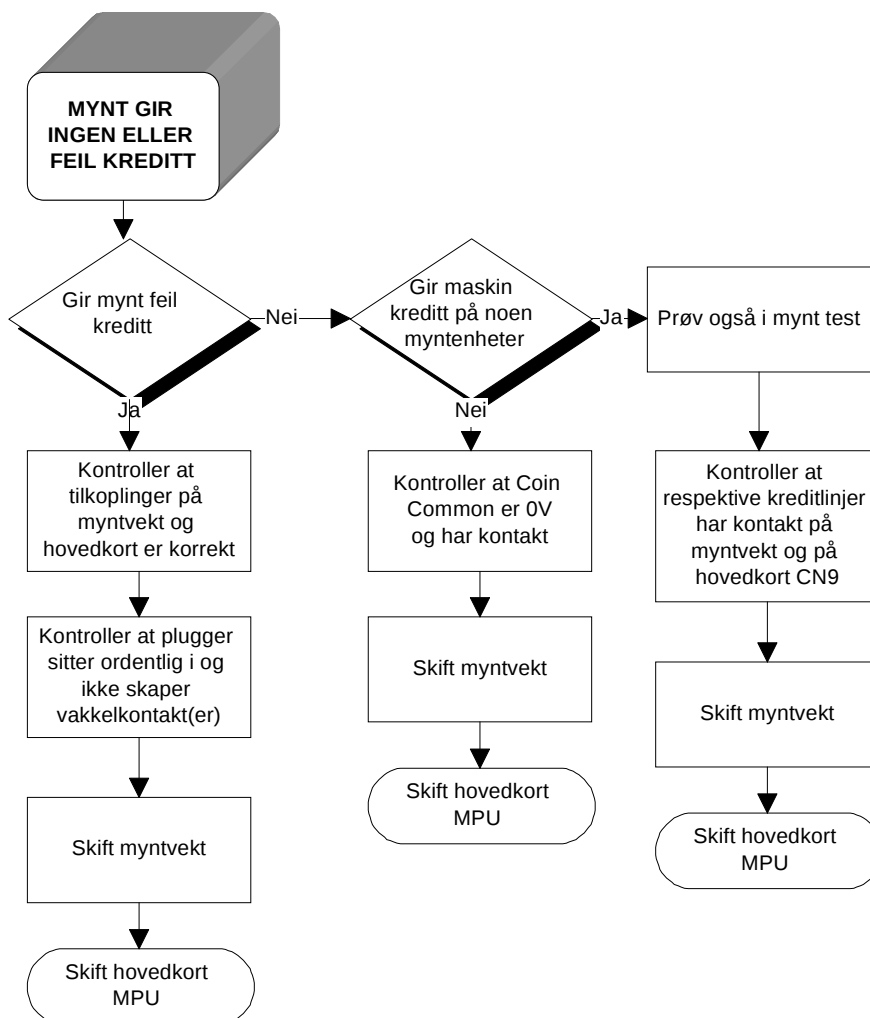


## MYNT ROUTER FEIL - FEILSØKINGS FLYTSKJEMA





## MYNT GIR INGEN ELLER FEIL KREDITT – FEILSØKINGS FLYTSKJEMA





### **MYNTINNKAST MONEYCONTROLL - C435S**

Dette myntinnkastet er klargjort med seriell protokoll men kan også benytte parallell protokoll som er kompatibel med Cashflow ME126. Myntinnkastet må ikke forveksles med forgjengeren C435 som kun takler parallell kommunikasjon.

Dersom myntinnkastet skal benytte seriell kommunikasjon skal routingplugg ikke monteres og i tillegg må det koples til et serielt interface kort ved hjelp av en adapter kabel.

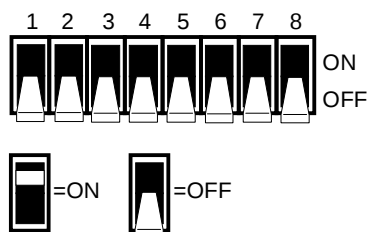


## SEDDEL AKSEPTØR

### JAPAN CASH EBA-10 PB



## DIL-SWITCHER



| DIL SWITCH JCM EBA10-PB<br>ID 082 Interface |          |                                                   |
|---------------------------------------------|----------|---------------------------------------------------|
| DIL-SWITCH                                  | POSISJON | FUNKSJON                                          |
| 1                                           | OFF      | Test funksjon av                                  |
|                                             | ON       | Test funksjon på                                  |
| 2                                           | OFF      | Parallell puls modus                              |
|                                             | ON       | Seriell puls modus                                |
| 3                                           | OFF      | Puls antall i seriell modus, se <i>pulstabell</i> |
|                                             | ON       | Puls antall i seriell modus, se <i>pulstabell</i> |
| 4                                           | OFF      | Puls antall i seriell modus, se <i>pulstabell</i> |
|                                             | ON       | Puls antall i seriell modus, se <i>pulstabell</i> |
| 5                                           | OFF      | Puls lengde i seriell modus 50ms/50ms av-på       |
|                                             | ON       | Puls lengde i seriell modus 50ms/300ms av-på      |
| 6                                           | OFF      | Aksept av vend 1, 50NOK                           |
|                                             | ON       | Utestenging av vend 1, 50NOK                      |
| 7                                           | OFF      | Aksept av vend 2, 100NOK                          |
|                                             | ON       | Utestenging av vend 2, 100NOK                     |
| 8                                           | OFF      | Aksept av vend 3, 200NOK                          |
|                                             | ON       | Utestenging av vend 3, 200NOK                     |

| DIL-SWITCH | 1 PULS | 5 PULSER | 10 PULSER | 20 PULSER |
|------------|--------|----------|-----------|-----------|
| 3          | OFF    | ON       | OFF       | ON        |
| 4          | OFF    | OFF      | ON        | ON        |



I/O CONNECTOR CN 1

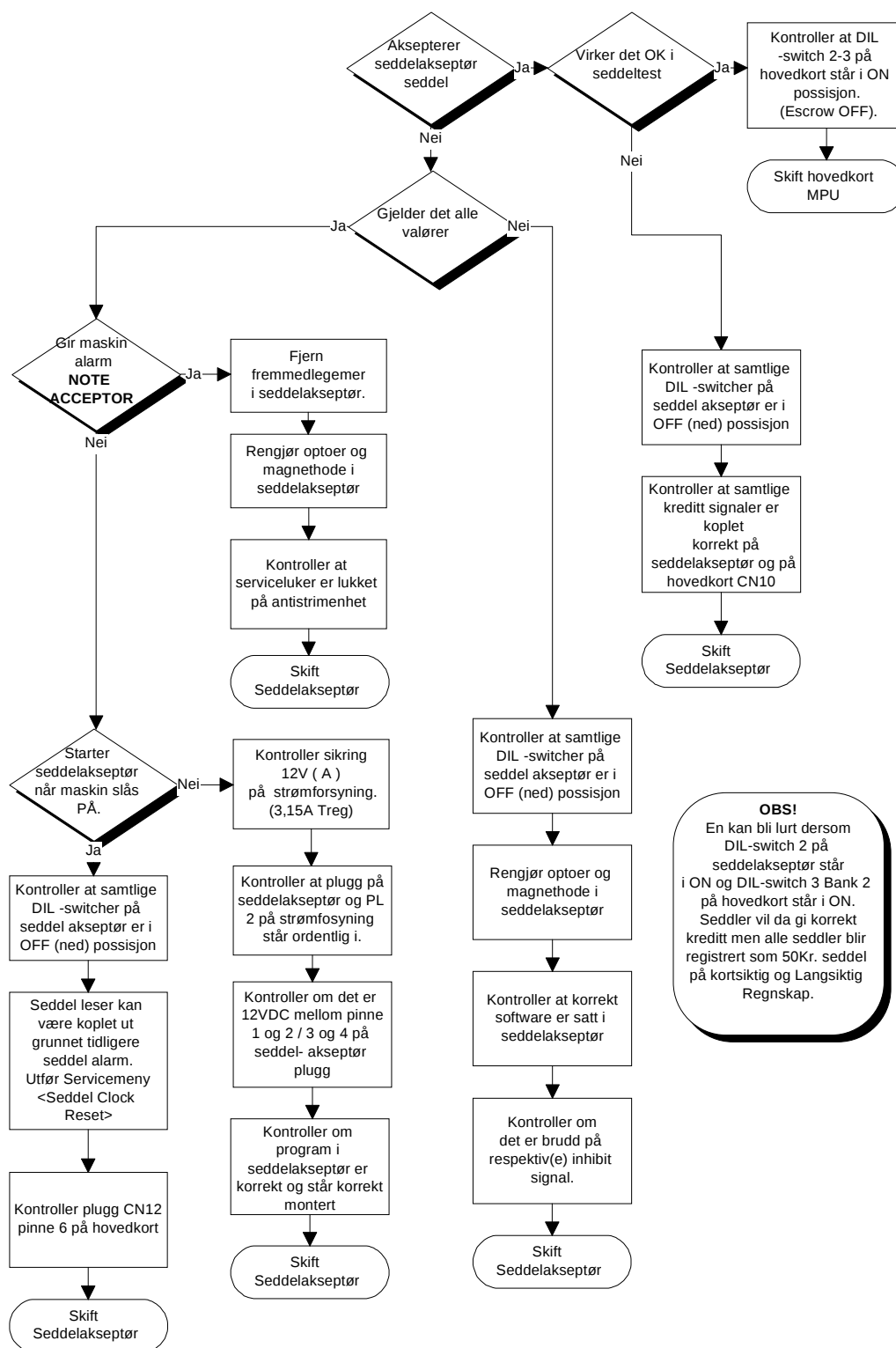
| CN1<br>JCM EBA10-PB |         |                     |            |     |         |                     |            |
|---------------------|---------|---------------------|------------|-----|---------|---------------------|------------|
| PIN                 | COLOUR  | FUNCTION            | CONNECT TO | PIN | COLOUR  | FUNCTION            | CONNECT TO |
| 1                   | Yel     | Vcc 12V             | PSU PL2-6  | 2   | Vio     | Vss GND             | PSU PL 2-3 |
| 3                   | Yel     | Vcc 12V             | PSU PL2-6  | 4   | Vio     | Vss GND             | PSU PL 2-3 |
| 5                   | Vio/Wht | Vend 1 ( + ) 50NOK  | MPU CN10-1 | 6   | Vio     | Vend 1 ( - ) 50NOK  | PSU PL 2-3 |
| 7                   | Vio/Brn | Vend 2 ( + ) 100NOK | MPU CN10-2 | 8   | Vio     | Vend 2 ( - ) 100NOK | PSU PL 2-3 |
| 9                   | Vio/Red | Vend 3 ( + ) 200NOK | MPU CN10-3 | 10  | Vio     | Vend 3 ( - ) 200NOK | PSU PL 2-3 |
| 11                  |         | Busy ( + )          | N.U.       | 12  | Vio     | Busy ( - )          | N.U.       |
| 13                  | Vio/Yel | ABN (alarm) ( + )   | MPU CN10-5 | 14  | Vio     | ABN (alarm) ( - )   | PSU PL 2-3 |
| 15                  | Yel     | INH (Inhibit) ( + ) | PSU PL2-6  | 16  | Blu/Org | INH (Inhibit) ( - ) | MPU CN12-6 |
| 17                  |         | ACK ( + )           | N.U.       | 18  |         | ACK ( - )           | N.U.       |
| 19                  |         | REJ ( + )           | N.U.       | 20  |         | REJ ( - )           | N.U.       |
| 21                  |         | Data valid ( + )    | N.U.       | 22  |         | Data valid ( - )    | N.U.       |
| 23                  |         | STKF                | N.U.       | 24  |         | STKF ( - )          | N.U.       |
| 25                  |         | N.C.                |            | 26  |         | N.C.                |            |

MPU = Main Processor Unit - Hovedkort  
PSU = Power Supply Unit - Strømforsyning



## FEILSØKING

### FEILSØKING JCM - FLYT SKJEMA

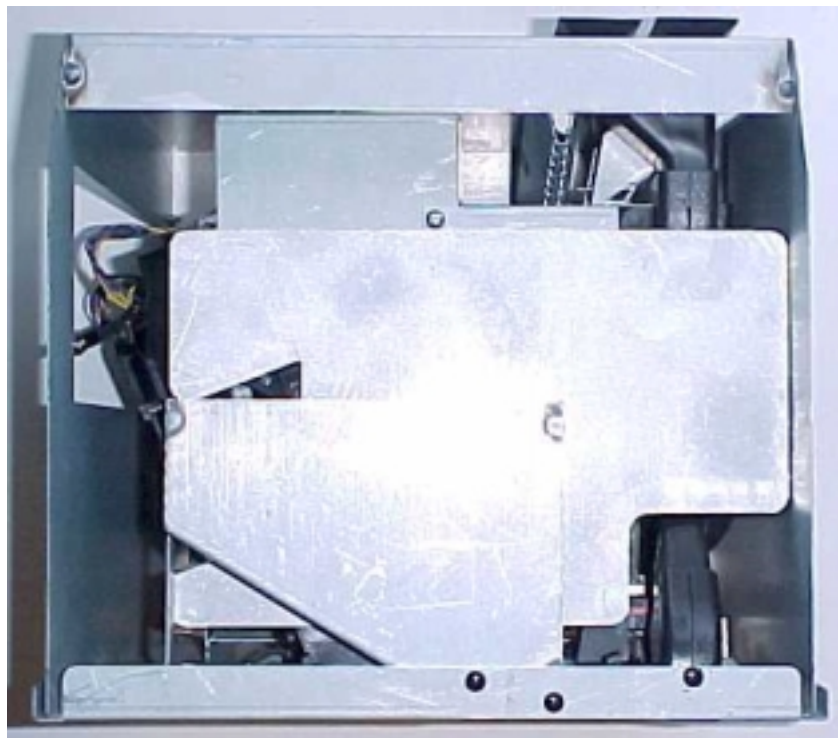




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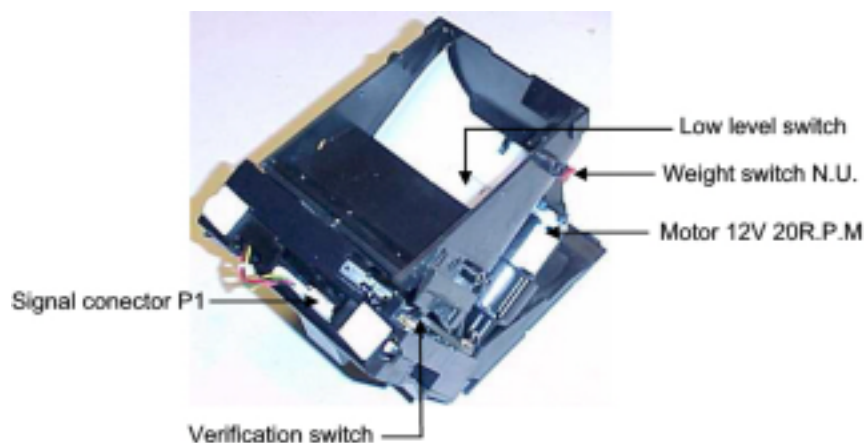
**UTBETALINGSSENHET**

**AZKOYEN**

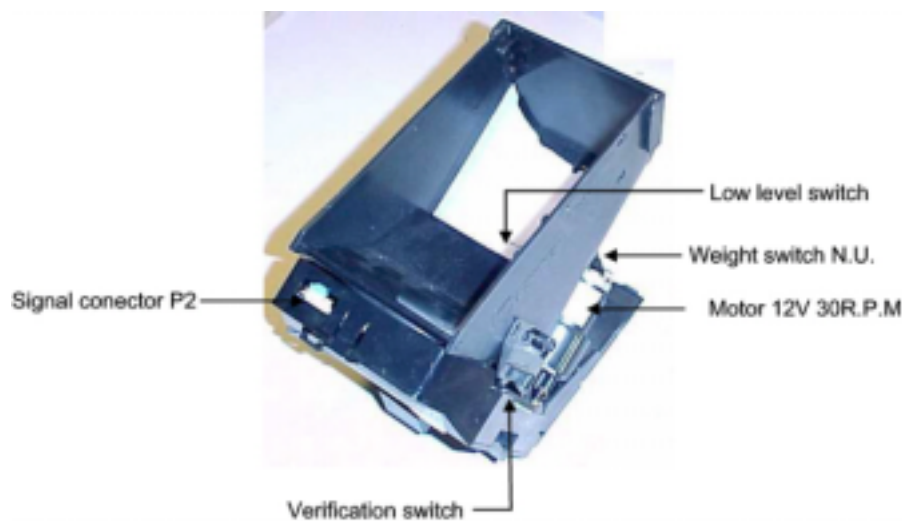




### 10KR HOPPER



### 10KR/20KR HOPPER



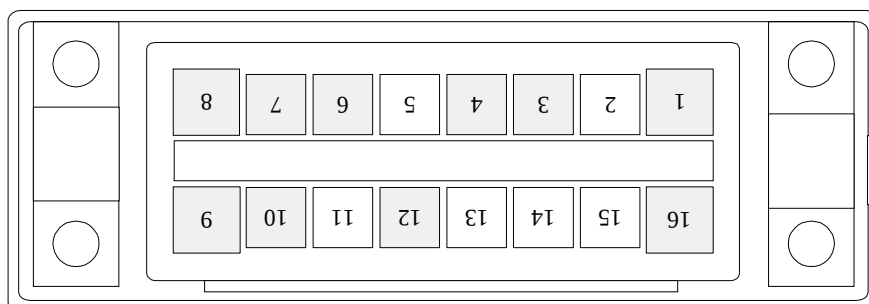


## HOPPER BASIS PLATE KONTAKT

| <b>HPRB<br/>HOPPER BASE CONNECTOR</b> |               |                        |                   |
|---------------------------------------|---------------|------------------------|-------------------|
| <b>PIN</b>                            | <b>COLOUR</b> | <b>FUNCTION</b>        | <b>CONNECT TO</b> |
| 1                                     | VIO/GRN       | +12V                   | PSU PL2-10        |
| 2                                     | GRN/WHT       | HOPPER DRIVE 10/20KR   | MPU CN 11-5       |
| 3                                     | GRN/GRY       | HOPPER DRIVE 1KR       | MPU CN 11-6       |
| 4                                     |               | N.U.                   |                   |
| 5                                     | GRY/BLK       | HOPPER COUNT 10KR/20KR | MPU CN 9-1        |
| 6                                     | GRY/BRN       | HOPPER COUNT 1KR       | MPU CN 9-2        |
| 7                                     |               | N.U.                   |                   |
| 8                                     | YEL/VIO/BRN   | SWITCH COMMON          | MPU CN 17-12      |
| 9                                     | YEL/VIO       | HOPPER LOW 10KR/20KR   | MPU CN 17-8       |
| 10                                    | YEL/WHT       | HOPPER LOW 1KR         | MPU CN 17-10      |
| 11                                    |               | N.U.                   |                   |
| 12                                    | YEL/GRY       | SPARE                  |                   |
| 13                                    |               | N.U.                   |                   |
| 14                                    |               | N.U.                   |                   |
| 15                                    |               | N.U.                   |                   |
| 12                                    |               | 0V                     | PSU PL2-2         |

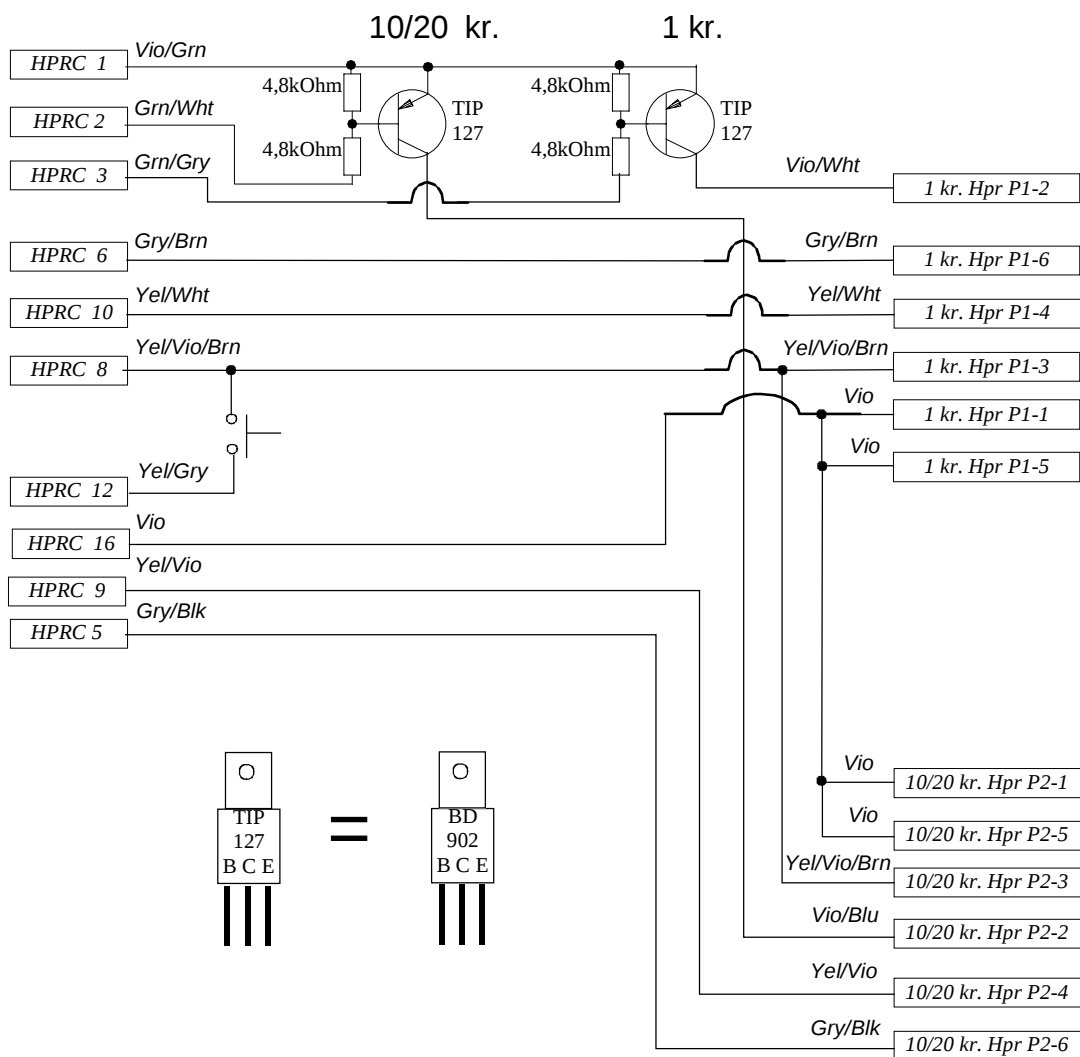
PSU - Power Suply Unit - Strømforsyning  
MPU - Main Prosessor Unit - Hovedkort

*Plugg sett som den står i maskin og fra lednings side*

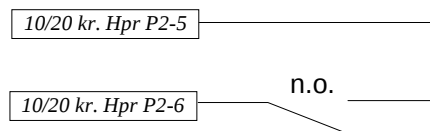




## INTERN TRANSISTOR LEDNINGSMATTE



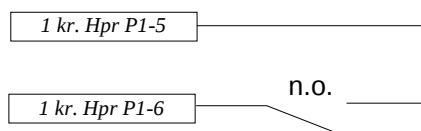
10/20Kr Hopper Verification Switch.



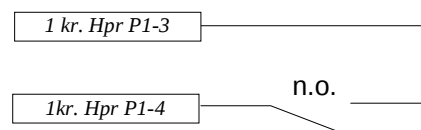
10/20Kr Hopper Low Switch.



1Kr Hopper Verification Switch.



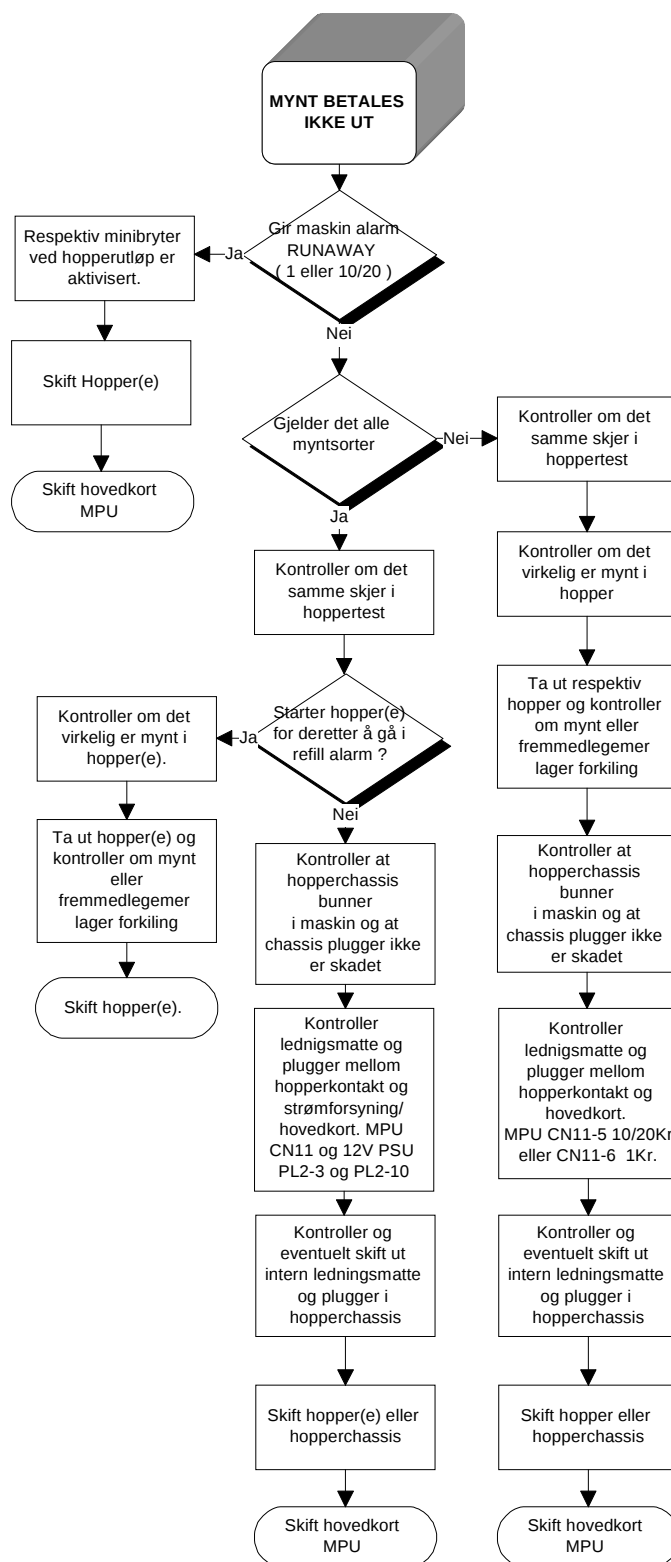
1Kr Hopper Low Switch.





## FEILSØKING

### INGEN UTBETALING – FEILSØKINGS FLYTSKJEMA





## TELLEVERK



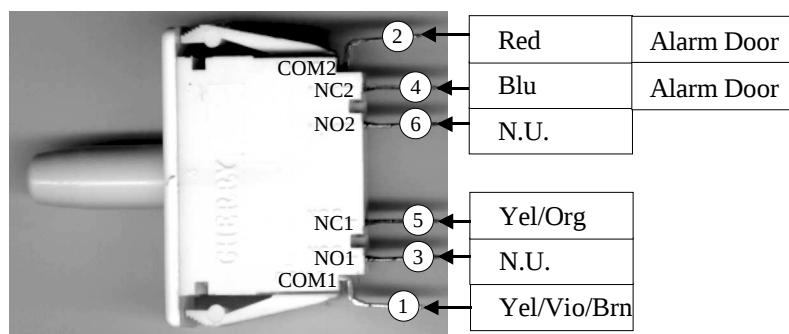
| <b>MTR - METER CONNECTOR</b> |               |                          |                   |
|------------------------------|---------------|--------------------------|-------------------|
| <b>PIN</b>                   | <b>COLOUR</b> | <b>FUNCTION</b>          | <b>CONNECT TO</b> |
| 1                            | GRN/BLK       | METER 1                  | MPU CN 11- 1      |
| 2                            | GRN/BRN       | METER 2                  | MPU CN 11 - 2     |
| 3                            | GRN/RED       | METER 3                  | MPU CN 11 - 3     |
| 4                            | GRN/ORG       | METER 4                  | MPU CN 11- 4      |
| 5                            |               | N.U.                     | N.C.              |
| 6                            | YEL/PNK       | +12V With Current Detect | CN 11 - 12        |
| 7                            | YEL/PNK       | +12V With Current Detect | CN 11 - 12        |
| 8                            | YEL/PNK       | +12V With Current Detect | CN 11 - 12        |
| 9                            | YEL/PNK       | +12V With Current Detect | CN 11 - 12        |
| 10                           | VIO           | 0V Logic                 | PSU PL 2 - 2      |
| 11                           | YEL/BLU       | Door Sw Cashbox          | MPU CN 17 - 6     |
| 12                           |               | N.U.                     | N.C.              |
| 13                           | YEL/VIO/BLK   | Switch Common 1          | MPU CN 17- 11     |
| 14                           |               | N.U.                     | N.C.              |
| 15                           | RED           | R.A.I.D. Alarm Door Sw   | R.A.I.D.          |



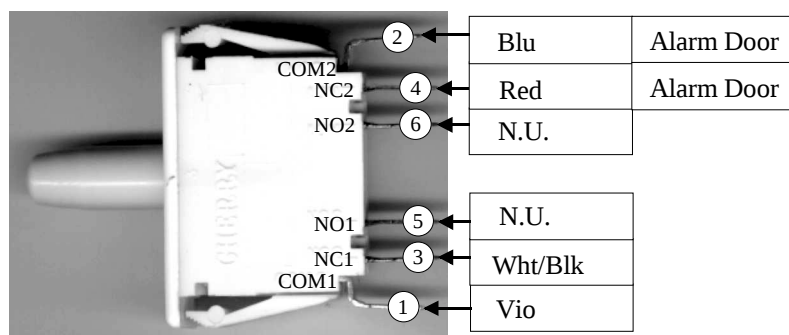
## KNAPPER OG BRYTERE

### DØR BRYTERE

#### SERVICEDØR BRYTER



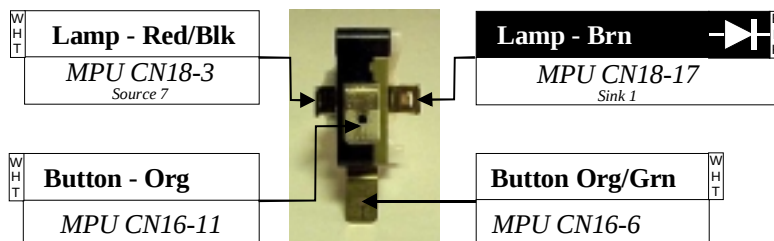
#### KASSADØR BRYTER



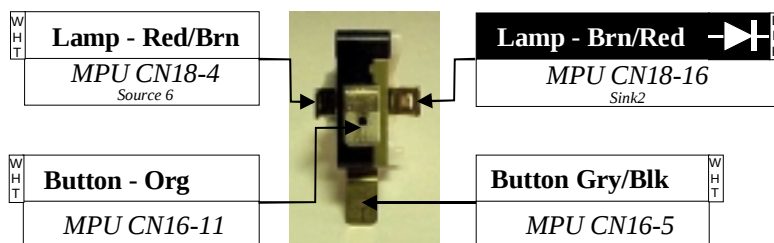


## KNAPPER

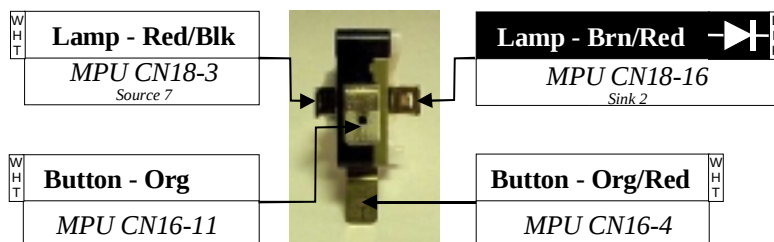
### Utbetal



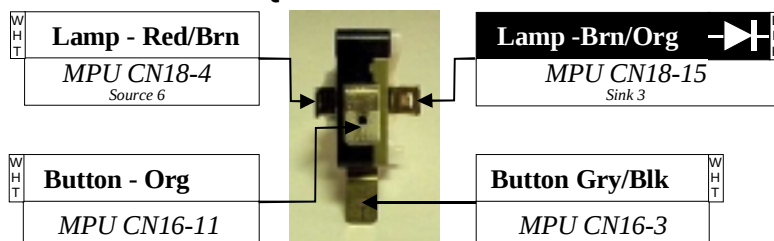
### Bar's 'n' Seven's



### Joker Poker

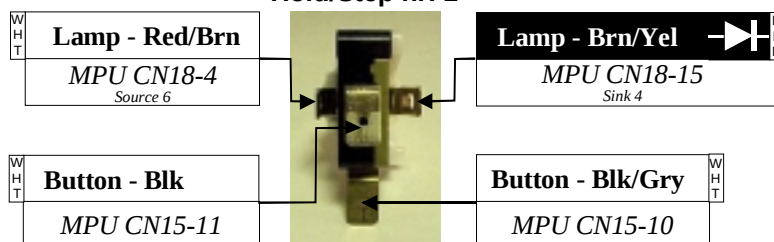


### Quick Pick Keno

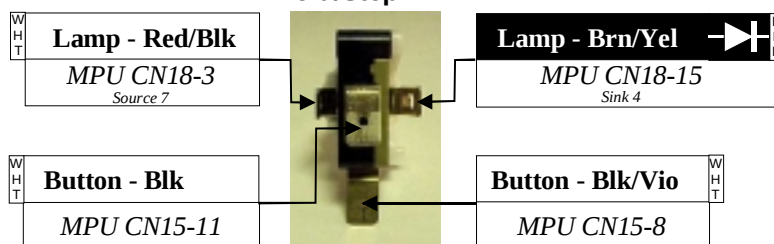




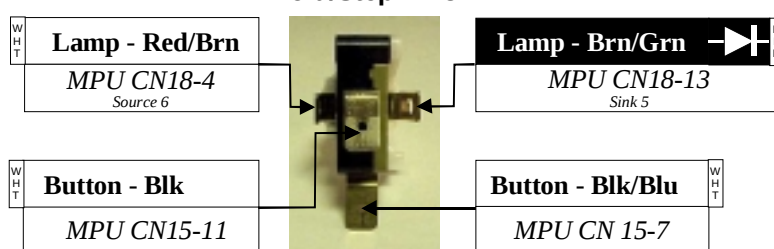
Hold/Step nr. 1



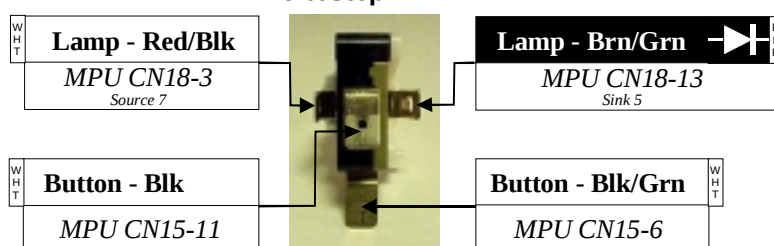
Hold/Step nr. 2



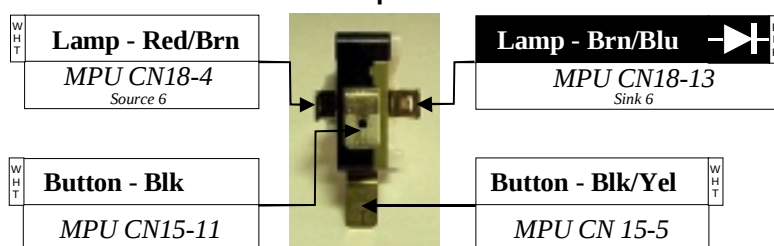
Hold/Step nr. 3



Hold/Step nr. 4

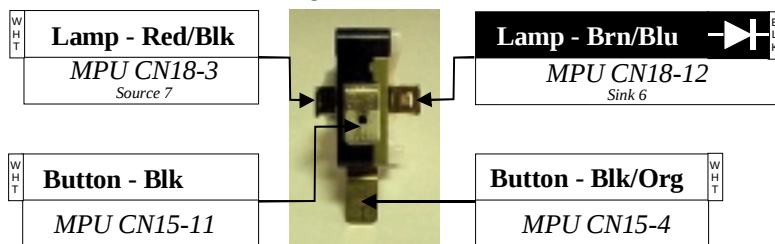


Hold/Step nr. 5

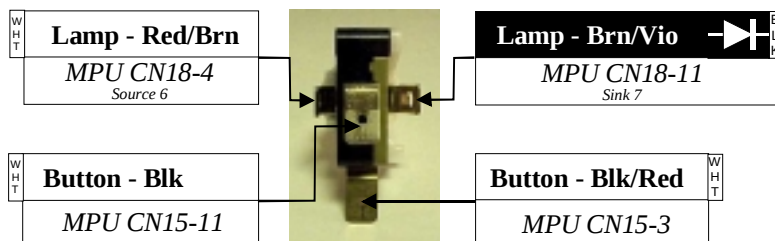




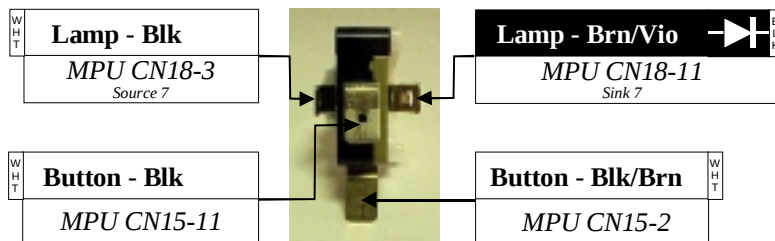
### Angre/Utbetal



### Innsats



### Start/Gamble





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## KORRIGERINGER I MANUAL (UTGAVER)

| UTGAVE | DATO       | NOTAT                                       |
|--------|------------|---------------------------------------------|
| 1      | 07.03.1998 | Første udgave.                              |
| 1.1    | 23.03.1999 | Korrigeret årstall for E-prom dato IC5-lyd. |
|        |            |                                             |
|        |            |                                             |
|        |            |                                             |
|        |            |                                             |
|        |            |                                             |
|        |            |                                             |



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