

23/11/98 11:43:23

Access PIN: 12310

File Name: 033 EAW A1 850A EQIN.8KP

Comment:

[EAW 8J] A1 Audio Inc. V(1.3) Fr. MX800i Hi Frequency (IN) Subwoofer Mode (Adjacent); Updated P.List

'>' indicates that the parameter is editable

Main Menu

| | | | | | |
|-------------------------|--------|--------|--------|--------|------------|
| > Master Delay Input A: | 20µs | | | | |
| > Master Delay Input B: | 20µs | | | | |
| Output: | 1 | 2 | 3 | 4 | 5 |
| > Source: | From A | From A | From A | From A | From A |
| > Delay: | 1333µs | 20µs | 41µs | 62µs | 20µs |
| > Phase Polarity: | Normal | Normal | Normal | Normal | Normal |
| > Phase Adjust: | 0° | 0° | 0° | 0° | 0° |
| > Level: | 6dB | 6dB | 4dB | -2dB | 0dB |
| > Label: | Sub | Lo | Mid | Hi | Full Range |

EQ Menu

| | | | | | |
|---------------------------|----------|---------|----------|------------|------------|
| Output: | 1 | 2 | 3 | 4 | 5 |
| > HPF Frequency: | 25Hz | 69.4Hz | 250Hz | 1550Hz | 20Hz |
| > HPF Response (dB/Oct.): | L-R/24 | L-R/24 | L-R/24 | L-R/24 | Full Range |
| > HPF Peak: | 0dB | 0dB | 0dB | 0dB | 0dB |
| > LPF Frequency: | 85.2Hz | 254Hz | 1550Hz | 50Hz | 20000Hz |
| > LPF Response (dB/Oct.): | L-R/24 | L-R/24 | L-R/24 | Full Range | Full Range |
| > PEQ1 Frequency: | 31.5Hz | 20Hz | 630Hz | 6720Hz | 20Hz |
| > PEQ1 Q: | 0.9 Oct. | 1 Oct. | 1.5 Oct. | 2 Oct. | 1 Oct. |
| > PEQ1 Level: | 8dB | 0dB | 0-.5dB | -3dB | 0dB |
| > PEQ2 Frequency: | 20Hz | 20Hz | 20Hz | 18200Hz | 20Hz |
| > PEQ2 Q: | 1 Oct. | 1 Oct. | 1 Oct. | 2.5 Oct. | 1 Oct. |
| > PEQ2 Level: | 0dB | 0dB | 0dB | 11dB | 0dB |
| > LEQ Q/Slope: | 12dB/Oct | 6dB/Oct | 6dB/Oct | 6dB/Oct | 6dB/Oct |
| > LEQ Frequency: | 20Hz | 20Hz | 20Hz | 20Hz | 20Hz |
| > LEQ Level: | 3.5dB | 0dB | 0dB | 0dB | 0dB |
| > HEQ Q/Slope | 6dB/Oct | 6dB/Oct | 6dB/Oct | 6dB/Oct | 6dB/Oct |
| > HEQ Frequency: | 500Hz | 500Hz | 500Hz | 500Hz | 500Hz |
| > HEQ Level: | 0dB | 0dB | 0dB | 0dB | 0dB |

Dynamics Menu

| | | | | | |
|-------------------------|-----------|-----------|-----------|-----------|-----------|
| Output: | 1 | 2 | 3 | 4 | 5 |
| > Compressor Threshold: | 22dB | 22dB | 22dB | 22dB | 22dB |
| > Compressor Ratio: | 1:1 | 1:1 | 1:1 | 1:1 | 1:1 |
| > Compressor Attack: | MIN | MIN | MIN | MIN | MIN |
| > Compressor Release: | 10ms | 10ms | 10ms | 10ms | 10ms |
| > Gate Threshold: | -80dBu | -80dBu | -80dBu | -80dBu | -80dBu |
| > Gate Range: | OFF | OFF | OFF | OFF | OFF |
| > Gate Decay: | 0.01dB/ms | 0.01dB/ms | 0.01dB/ms | 0.01dB/ms | 0.01dB/ms |
| > Limiter Threshold: | 15dBu | 15dBu | 13dBu | 13dBu | 22dBu |

23/11/98 11:43:33 Access PIN: 12311 File Name: 034 EAW A1 850A NOEQ.8KP

Comment:

[EAW 8J] A1 Audio Inc. V(1.2) Fr. MX800i Hi Frequency (OUT) Subwoofer Mode (Adjacent)

'>' indicates that the parameter is editable

Main Menu

| | | | | | |
|-------------------------|--------|--------|--------|--------|------------|
| > Master Delay Input A: | 20µs | | | | |
| > Master Delay Input B: | 20µs | | | | |
| Output: | 1 | 2 | 3 | 4 | 5 |
| > Source: | From A | From A | From A | From A | From A |
| > Delay: | 1333µs | 20µs | 41µs | 62µs | 20µs |
| > Phase Polarity: | Normal | Normal | Normal | Normal | Normal |
| > Phase Adjust: | 0° | 0° | 0° | 0° | 0° |
| > Level: | 6dB | 6dB | 4dB | -2dB | 0dB |
| > Label: | Sub | Lo | Mid | Hi | Full Range |

EQ Menu

| | | | | | |
|---------------------------|----------|---------|----------|------------|------------|
| Output: | 1 | 2 | 3 | 4 | 5 |
| > HPF Frequency: | 25Hz | 69.4Hz | 250Hz | 1550Hz | 20Hz |
| > HPF Response (dB/Oct.): | L-R/24 | L-R/24 | L-R/24 | L-R/24 | Full Range |
| > HPF Peak: | 0dB | 0dB | 0dB | 0dB | 0dB |
| > LPF Frequency: | 85.2Hz | 254Hz | 1550Hz | 50Hz | 20000Hz |
| > LPF Response (dB/Oct.): | L-R/24 | L-R/24 | L-R/24 | Full Range | Full Range |
| > PEQ1 Frequency: | 31.5Hz | 20Hz | 630Hz | 6720Hz | 20Hz |
| > PEQ1 Q: | 0.9 Oct. | 1 Oct. | 1.5 Oct. | 2 Oct. | 1 Oct. |
| > PEQ1 Level: | 8dB | 0dB | 0-.5dB | -3dB | 0dB |
| > PEQ2 Frequency: | 20Hz | 20Hz | 20Hz | 18200Hz | 20Hz |
| > PEQ2 Q: | 1 Oct. | 1 Oct. | 1 Oct. | 2.5 Oct. | 1 Oct. |
| > PEQ2 Level: | 0dB | 0dB | 0dB | 0dB | 0dB |
| > LEQ Q/Slope: | 12dB/Oct | 6dB/Oct | 6dB/Oct | 6dB/Oct | 6dB/Oct |
| > LEQ Frequency: | 20Hz | 20Hz | 20Hz | 20Hz | 20Hz |
| > LEQ Level: | 3.5dB | 0dB | 0dB | 0dB | 0dB |
| > HEQ Q/Slope | 6dB/Oct | 6dB/Oct | 6dB/Oct | 6dB/Oct | 6dB/Oct |
| > HEQ Frequency: | 500Hz | 500Hz | 500Hz | 500Hz | 500Hz |
| > HEQ Level: | 0dB | 0dB | 0dB | 0dB | 0dB |

Dynamics Menu

| | | | | | |
|-------------------------|-----------|-----------|-----------|-----------|-----------|
| Output: | 1 | 2 | 3 | 4 | 5 |
| > Compressor Threshold: | 22dB | 22dB | 22dB | 22dB | 22dB |
| > Compressor Ratio: | 1:1 | 1:1 | 1:1 | 1:1 | 1:1 |
| > Compressor Attack: | MIN | MIN | MIN | MIN | MIN |
| > Compressor Release: | 10ms | 10ms | 10ms | 10ms | 10ms |
| > Gate Threshold: | -80dBu | -80dBu | -80dBu | -80dBu | -80dBu |
| > Gate Range: | OFF | OFF | OFF | OFF | OFF |
| > Gate Decay: | 0.01dB/ms | 0.01dB/ms | 0.01dB/ms | 0.01dB/ms | 0.01dB/ms |
| > Limiter Threshold: | 15dBu | 15dBu | 13dBu | 13dBu | 22dBu |

Klark Teknik DN8000 Preset Name: EAW A1 850D EQIN

23/11/98 11:43:46

Access PIN: 12312

File Name: 035 EAW A1 850D EQIN.8KP

Comment:

[EAW 8J] A1 Audio Inc. V(1.2) Fr. MX800i Hi Frequency (IN) Subwoofer Mode (Distant); Updated P.List

'>' indicates that the parameter is editable

Main Menu

| | | | | | |
|-------------------------|--------|--------|--------|--------|------------|
| > Master Delay Input A: | 20µs | | | | |
| > Master Delay Input B: | 20µs | | | | |
| Output: | 1 | 2 | 3 | 4 | 5 |
| > Source: | From A | From A | From A | From A | From A |
| > Delay: | 1333µs | 20µs | 41µs | 62µs | 20µs |
| > Phase Polarity: | Normal | Normal | Normal | Normal | Normal |
| > Phase Adjust: | 0° | 0° | 0° | 0° | 0° |
| > Level: | 6dB | 6dB | 4dB | -2dB | 0dB |
| > Label: | Sub | Lo | Mid | Hi | Full Range |

EQ Menu

| | | | | | |
|---------------------------|----------|----------|----------|------------|------------|
| Output: | 1 | 2 | 3 | 4 | 5 |
| > HPF Frequency: | 25Hz | 32.6Hz | 250Hz | 1550Hz | 20Hz |
| > HPF Response (dB/Oct.): | L-R/24 | L-R/24 | L-R/24 | L-R/24 | Full Range |
| > HPF Peak: | 0dB | 0dB | 0dB | 0dB | 0dB |
| > LPF Frequency: | 85.2Hz | 254Hz | 1550Hz | 50Hz | 20000Hz |
| > LPF Response (dB/Oct.): | L-R/24 | L-R/24 | L-R/24 | Full Range | Full Range |
| > PEQ1 Frequency: | 31.5Hz | 32.6Hz | 630Hz | 6720Hz | 20Hz |
| > PEQ1 Q: | 0.9 Oct. | 0.7 Oct. | 1.5 Oct. | 2 Oct. | 1 Oct. |
| > PEQ1 Level: | 8dB | 5dB | 0-.5dB | -3dB | 0dB |
| > PEQ2 Frequency: | 20Hz | 200Hz | 20Hz | 18200Hz | 20Hz |
| > PEQ2 Q: | 1 Oct. | 0.8 Oct. | 1 Oct. | 2.5 Oct. | 1 Oct. |
| > PEQ2 Level: | 0dB | 0.5dB | 0dB | 11dB | 0dB |
| > LEQ Q/Slope: | 12dB/Oct | 6dB/Oct | 6dB/Oct | 6dB/Oct | 6dB/Oct |
| > LEQ Frequency: | 20Hz | 20Hz | 20Hz | 20Hz | 20Hz |
| > LEQ Level: | 3.5dB | 0dB | 0dB | 0dB | 0dB |
| > HEQ Q/Slope | 6dB/Oct | 6dB/Oct | 6dB/Oct | 6dB/Oct | 6dB/Oct |
| > HEQ Frequency: | 500Hz | 500Hz | 500Hz | 500Hz | 500Hz |
| > HEQ Level: | 0dB | 0dB | 0dB | 0dB | 0dB |

Dynamics Menu

| | | | | | |
|-------------------------|-----------|-----------|-----------|-----------|-----------|
| Output: | 1 | 2 | 3 | 4 | 5 |
| > Compressor Threshold: | 22dB | 22dB | 22dB | 22dB | 22dB |
| > Compressor Ratio: | 1:1 | 1:1 | 1:1 | 1:1 | 1:1 |
| > Compressor Attack: | MIN | MIN | MIN | MIN | MIN |
| > Compressor Release: | 10ms | 10ms | 10ms | 10ms | 10ms |
| > Gate Threshold: | -80dBu | -80dBu | -80dBu | -80dBu | -80dBu |
| > Gate Range: | OFF | OFF | OFF | OFF | OFF |
| > Gate Decay: | 0.01dB/ms | 0.01dB/ms | 0.01dB/ms | 0.01dB/ms | 0.01dB/ms |
| > Limiter Threshold: | 15dBu | 15dBu | 13dBu | 13dBu | 22dBu |

23/11/98 11:43:59

Access PIN: 12313

File Name: 036 EAW A1 850D NOEQ.8KP

Comment:

[EAW 8J] A1 Audio Inc. V(1.2) Fr. MX800i Hi Frequency (OUT) Subwoofer Mode (Distant);Updated P.List

'>' indicates that the parameter is editable

Main Menu

| | | | | | |
|-------------------------|--------|--------|--------|--------|------------|
| > Master Delay Input A: | 20µs | | | | |
| > Master Delay Input B: | 20µs | | | | |
| Output: | 1 | 2 | 3 | 4 | 5 |
| > Source: | From A | From A | From A | From A | From A |
| > Delay: | 1333µs | 20µs | 41µs | 62µs | 20µs |
| > Phase Polarity: | Normal | Normal | Normal | Normal | Normal |
| > Phase Adjust: | 0° | 0° | 0° | 0° | 0° |
| > Level: | 6dB | 6dB | 4dB | -2dB | 0dB |
| > Label: | Sub | Lo | Mid | Hi | Full Range |

EQ Menu

| | | | | | |
|---------------------------|----------|----------|----------|------------|------------|
| Output: | 1 | 2 | 3 | 4 | 5 |
| > HPF Frequency: | 25Hz | 32.6Hz | 250Hz | 1550Hz | 20Hz |
| > HPF Response (dB/Oct.): | L-R/24 | L-R/24 | L-R/24 | L-R/24 | Full Range |
| > HPF Peak: | 0dB | 0dB | 0dB | 0dB | 0dB |
| > LPF Frequency: | 85.2Hz | 254Hz | 1550Hz | 50Hz | 20000Hz |
| > LPF Response (dB/Oct.): | L-R/24 | L-R/24 | L-R/24 | Full Range | Full Range |
| > PEQ1 Frequency: | 31.5Hz | 32.6Hz | 630Hz | 6720Hz | 20Hz |
| > PEQ1 Q: | 0.9 Oct. | 0.7 Oct. | 1.5 Oct. | 2 Oct. | 1 Oct. |
| > PEQ1 Level: | 8dB | 5dB | 0-.5dB | -3dB | 0dB |
| > PEQ2 Frequency: | 20Hz | 200Hz | 20Hz | 18200Hz | 20Hz |
| > PEQ2 Q: | 1 Oct. | 0.8 Oct. | 1 Oct. | 2.5 Oct. | 1 Oct. |
| > PEQ2 Level: | 0dB | 0.5dB | 0dB | 0dB | 0dB |
| > LEQ Q/Slope: | 12dB/Oct | 6dB/Oct | 6dB/Oct | 6dB/Oct | 6dB/Oct |
| > LEQ Frequency: | 20Hz | 20Hz | 20Hz | 20Hz | 20Hz |
| > LEQ Level: | 3.5dB | 0dB | 0dB | 0dB | 0dB |
| > HEQ Q/Slope | 6dB/Oct | 6dB/Oct | 6dB/Oct | 6dB/Oct | 6dB/Oct |
| > HEQ Frequency: | 500Hz | 500Hz | 500Hz | 500Hz | 500Hz |
| > HEQ Level: | 0dB | 0dB | 0dB | 0dB | 0dB |

Dynamics Menu

| | | | | | |
|-------------------------|-----------|-----------|-----------|-----------|-----------|
| Output: | 1 | 2 | 3 | 4 | 5 |
| > Compressor Threshold: | 22dB | 22dB | 22dB | 22dB | 22dB |
| > Compressor Ratio: | 1:1 | 1:1 | 1:1 | 1:1 | 1:1 |
| > Compressor Attack: | MIN | MIN | MIN | MIN | MIN |
| > Compressor Release: | 10ms | 10ms | 10ms | 10ms | 10ms |
| > Gate Threshold: | -80dBu | -80dBu | -80dBu | -80dBu | -80dBu |
| > Gate Range: | OFF | OFF | OFF | OFF | OFF |
| > Gate Decay: | 0.01dB/ms | 0.01dB/ms | 0.01dB/ms | 0.01dB/ms | 0.01dB/ms |
| > Limiter Threshold: | 15dBu | 15dBu | 13dBu | 13dBu | 22dBu |

Comment:

[EAW 300i] A1 Audio Inc. V(1.2) Fr. MX300i HiFrequency (IN) Subwoofer Mode (Adjacent); Updated P.List

'>' indicates that the parameter is editable

Main Menu

| | | | | | |
|-------------------------|----------|--------|--------|--------|--------|
| > Master Delay Input A: | 20µs | | | | |
| > Master Delay Input B: | 20µs | | | | |
| Output: | 1 | 2 | 3 | 4 | 5 |
| > Source: | From A+B | From A | From A | From B | From B |
| > Delay: | 20µs | 41µs | 20µs | 41µs | 20µs |
| > Phase Polarity: | Normal | Normal | Normal | Normal | Normal |
| > Phase Adjust: | 0° | 0° | 0° | 0° | 0° |
| > Level: | 11dB | 8dB | 2dB | 8dB | 2dB |
| > Label: | Sub | Lo | Hi | Lo | Hi |

EQ Menu

| | | | | | |
|---------------------------|----------|---------|------------|---------|------------|
| Output: | 1 | 2 | 3 | 4 | 5 |
| > HPF Frequency: | 20Hz | 67.2Hz | 426Hz | 67.2Hz | 426Hz |
| > HPF Response (dB/Oct.): | L-R/24 | L-R/24 | L-R/24 | L-R/24 | L-R/24 |
| > HPF Peak: | 0dB | 0dB | 0dB | 0dB | 0dB |
| > LPF Frequency: | 87.9Hz | 413Hz | 20000Hz | 413Hz | 20000Hz |
| > LPF Response (dB/Oct.): | L-R/24 | L-R/24 | Full Range | L-R/24 | Full Range |
| > PEQ1 Frequency: | 30.5Hz | 20Hz | 6500Hz | 20Hz | 6500Hz |
| > PEQ1 Q: | 0.5 Oct. | 1 Oct. | 3 Oct. | 1 Oct. | 3 Oct. |
| > PEQ1 Level: | 5dB | 0dB | 0.5dB | 0dB | 0.5dB |
| > PEQ2 Frequency: | 48.4Hz | 20Hz | 18200Hz | 20Hz | 18200Hz |
| > PEQ2 Q: | 1.5 Oct. | 1 Oct. | 2.5 Oct. | 1 Oct. | 2.5 Oct. |
| > PEQ2 Level: | 6dB | 0dB | 5dB | 0dB | 5dB |
| > LEQ Q/Slope: | 6dB/Oct | 6dB/Oct | 6dB/Oct | 6dB/Oct | 6dB/Oct |
| > LEQ Frequency: | 20Hz | 20Hz | 20Hz | 20Hz | 20Hz |
| > LEQ Level: | 0dB | 0dB | 0dB | 0dB | 0dB |
| > HEQ Q/Slope | 6dB/Oct | 6dB/Oct | 12dB/Oct | 6dB/Oct | 12dB/Oct |
| > HEQ Frequency: | 500Hz | 500Hz | 15000Hz | 500Hz | 15000Hz |
| > HEQ Level: | 0dB | 0dB | 0.5dB | 0dB | 0.5dB |

Dynamics Menu

| | | | | | |
|-------------------------|-----------|-----------|-----------|-----------|-----------|
| Output: | 1 | 2 | 3 | 4 | 5 |
| > Compressor Threshold: | 22dB | 22dB | 22dB | 22dB | 22dB |
| > Compressor Ratio: | 1:1 | 1:1 | 1:1 | 1:1 | 1:1 |
| > Compressor Attack: | MIN | MIN | MIN | MIN | MIN |
| > Compressor Release: | 10ms | 10ms | 10ms | 10ms | 10ms |
| > Gate Threshold: | -80dBu | -80dBu | -80dBu | -80dBu | -80dBu |
| > Gate Range: | OFF | OFF | OFF | OFF | OFF |
| > Gate Decay: | 0.01dB/ms | 0.01dB/ms | 0.01dB/ms | 0.01dB/ms | 0.01dB/ms |
| > Limiter Threshold: | 10dBu | 11dBu | 15dBu | 11dBu | 15dBu |

Clark Teknik DN8000 Preset Name: EAW A1 300A NOEQ

23/11/98 11:44:41

Access PIN: 12315

File Name: 038 EAW A1 300A NOEQ.8KP

Comment:

[EAW 300i] A1 Audio Inc. V(1.2) Fr.MX300i HiFrequency (OUT) Subwoofer Mode (Adjacent);Updated P.List

'>' indicates that the parameter is editable

Main Menu

| | | | | | |
|-------------------------|----------|--------|--------|--------|--------|
| > Master Delay Input A: | 20µs | | | | |
| > Master Delay Input B: | 20µs | | | | |
| Output: | 1 | 2 | 3 | 4 | 5 |
| > Source: | From A+B | From A | From A | From B | From B |
| > Delay: | 20µs | 41µs | 20µs | 41µs | 20µs |
| > Phase Polarity: | Normal | Normal | Normal | Normal | Normal |
| > Phase Adjust: | 0° | 0° | 0° | 0° | 0° |
| > Level: | 11dB | 8dB | 2dB | 8dB | 2dB |
| > Label: | Sub | Lo | Hi | Lo | Hi |

EQ Menu

| | | | | | |
|---------------------------|----------|---------|------------|---------|------------|
| Output: | 1 | 2 | 3 | 4 | 5 |
| > HPF Frequency: | 20Hz | 67.2Hz | 426Hz | 67.2Hz | 426Hz |
| > HPF Response (dB/Oct.): | L-R/24 | L-R/24 | L-R/24 | L-R/24 | L-R/24 |
| > HPF Peak: | 0dB | 0dB | 0dB | 0dB | 0dB |
| > LPF Frequency: | 87.9Hz | 413Hz | 20000Hz | 413Hz | 20000Hz |
| > LPF Response (dB/Oct.): | L-R/24 | L-R/24 | Full Range | L-R/24 | Full Range |
| > PEQ1 Frequency: | 30.5Hz | 20Hz | 6500Hz | 20Hz | 6500Hz |
| > PEQ1 Q: | 0.5 Oct. | 1 Oct. | 3 Oct. | 1 Oct. | 3 Oct. |
| > PEQ1 Level: | 5dB | 0dB | 0.5dB | 0dB | 0.5dB |
| > PEQ2 Frequency: | 48.4Hz | 20Hz | 18200Hz | 20Hz | 18200Hz |
| > PEQ2 Q: | 1.5 Oct. | 1 Oct. | 2.5 Oct. | 1 Oct. | 2.5 Oct. |
| > PEQ2 Level: | 6dB | 0dB | 0dB | 0dB | 0dB |
| > LEQ Q/Slope: | 6dB/Oct | 6dB/Oct | 6dB/Oct | 6dB/Oct | 6dB/Oct |
| > LEQ Frequency: | 20Hz | 20Hz | 20Hz | 20Hz | 20Hz |
| > LEQ Level: | 0dB | 0dB | 0dB | 0dB | 0dB |
| > HEQ Q/Slope | 6dB/Oct | 6dB/Oct | 12dB/Oct | 6dB/Oct | 12dB/Oct |
| > HEQ Frequency: | 500Hz | 500Hz | 15000Hz | 500Hz | 15000Hz |
| > HEQ Level: | 0dB | 0dB | 0.5dB | 0dB | 0.5dB |

Dynamics Menu

| | | | | | |
|-------------------------|-----------|-----------|-----------|-----------|-----------|
| Output: | 1 | 2 | 3 | 4 | 5 |
| > Compressor Threshold: | 22dB | 22dB | 22dB | 22dB | 22dB |
| > Compressor Ratio: | 1:1 | 1:1 | 1:1 | 1:1 | 1:1 |
| > Compressor Attack: | MIN | MIN | MIN | MIN | MIN |
| > Compressor Release: | 10ms | 10ms | 10ms | 10ms | 10ms |
| > Gate Threshold: | -80dBu | -80dBu | -80dBu | -80dBu | -80dBu |
| > Gate Range: | OFF | OFF | OFF | OFF | OFF |
| > Gate Decay: | 0.01dB/ms | 0.01dB/ms | 0.01dB/ms | 0.01dB/ms | 0.01dB/ms |
| > Limiter Threshold: | 10dBu | 11dBu | 15dBu | 11dBu | 15dBu |

Klark Teknik DN8000 Preset Name: EAW A1 300D EQIN

23/11/98 11:44:53

Access PIN: 12320

File Name: 039 EAW A1 300D EQIN.8KP

Comment:

[EAW 300i] A1 Audio Inc. V(1.2) Fr. MX300i Hi Frequency (IN) Subwoofer Mode (Distant); Updated P.List

'>' indicates that the parameter is editable

Main Menu

| | | | | | |
|-------------------------|----------|--------|--------|--------|--------|
| > Master Delay Input A: | 20µs | | | | |
| > Master Delay Input B: | 20µs | | | | |
| Output: | 1 | 2 | 3 | 4 | 5 |
| > Source: | From A+B | From A | From A | From B | From B |
| > Delay: | 20µs | 41µs | 20µs | 41µs | 20µs |
| > Phase Polarity: | Normal | Normal | Normal | Normal | Normal |
| > Phase Adjust: | 0° | 0° | 0° | 0° | 0° |
| > Level: | 11dB | 8dB | 2dB | 8dB | 2dB |
| > Label: | Sub | Lo | Hi | Lo | Hi |

EQ Menu

| | | | | | |
|---------------------------|----------|----------|------------|----------|------------|
| Output: | 1 | 2 | 3 | 4 | 5 |
| > HPF Frequency: | 20Hz | 34.9Hz | 426Hz | 34.9Hz | 426Hz |
| > HPF Response (dB/Oct.): | L-R/24 | L-R/24 | L-R/24 | L-R/24 | L-R/24 |
| > HPF Peak: | 0dB | 0dB | 0dB | 0dB | 0dB |
| > LPF Frequency: | 87.9Hz | 413Hz | 20000Hz | 413Hz | 20000Hz |
| > LPF Response (dB/Oct.): | L-R/24 | L-R/24 | Full Range | L-R/24 | Full Range |
| > PEQ1 Frequency: | 30.5Hz | 34.9Hz | 6500Hz | 34.9Hz | 6500Hz |
| > PEQ1 Q: | 0.5 Oct. | 0.7 Oct. | 3 Oct. | 0.7 Oct. | 3 Oct. |
| > PEQ1 Level: | 5dB | 6dB | 0.5dB | 6dB | 0.5dB |
| > PEQ2 Frequency: | 48.4Hz | 20Hz | 18200Hz | 20Hz | 18200Hz |
| > PEQ2 Q: | 1.5 Oct. | 1 Oct. | 2.5 Oct. | 1 Oct. | 2.5 Oct. |
| > PEQ2 Level: | 6dB | 0dB | 5dB | 0dB | 5dB |
| > LEQ Q/Slope: | 6dB/Oct | 6dB/Oct | 6dB/Oct | 6dB/Oct | 6dB/Oct |
| > LEQ Frequency: | 20Hz | 20Hz | 20Hz | 20Hz | 20Hz |
| > LEQ Level: | 0dB | 0dB | 0dB | 0dB | 0dB |
| > HEQ Q/Slope: | 6dB/Oct | 6dB/Oct | 12dB/Oct | 6dB/Oct | 12dB/Oct |
| > HEQ Frequency: | 500Hz | 500Hz | 15000Hz | 500Hz | 15000Hz |
| > HEQ Level: | 0dB | 0dB | 0.5dB | 0dB | 0.5dB |

Dynamics Menu

| | | | | | |
|-------------------------|-----------|-----------|-----------|-----------|-----------|
| Output: | 1 | 2 | 3 | 4 | 5 |
| > Compressor Threshold: | 22dB | 22dB | 22dB | 22dB | 22dB |
| > Compressor Ratio: | 1:1 | 1:1 | 1:1 | 1:1 | 1:1 |
| > Compressor Attack: | MIN | MIN | MIN | MIN | MIN |
| > Compressor Release: | 10ms | 10ms | 10ms | 10ms | 10ms |
| > Gate Threshold: | -80dBu | -80dBu | -80dBu | -80dBu | -80dBu |
| > Gate Range: | OFF | OFF | OFF | OFF | OFF |
| > Gate Decay: | 0.01dB/ms | 0.01dB/ms | 0.01dB/ms | 0.01dB/ms | 0.01dB/ms |
| > Limiter Threshold: | 10dBu | 11dBu | 15dBu | 11dBu | 15dBu |

23/11/98 11:45:14

Access PIN: 12321

File Name: 040 EAW A1 300D NOEQ.8KP

Comment:

[EAW 300i] A1 Audio Inc. V(1.2) Fr. MX300i HiFrequency (OUT) Subwoofer Mode (Distant); Updated P.List

'>' indicates that the parameter is editable

Main Menu

| | | | | | |
|-------------------------|----------|--------|--------|--------|--------|
| > Master Delay Input A: | 20µs | | | | |
| > Master Delay Input B: | 20µs | | | | |
| Output: | 1 | 2 | 3 | 4 | 5 |
| > Source: | From A+B | From A | From A | From B | From B |
| > Delay: | 20µs | 41µs | 20µs | 41µs | 20µs |
| > Phase Polarity: | Normal | Normal | Normal | Normal | Normal |
| > Phase Adjust: | 0° | 0° | 0° | 0° | 0° |
| > Level: | 11dB | 8dB | 2dB | 8dB | 2dB |
| > Label: | Sub | Lo | Hi | Lo | Hi |

EQ Menu

| | | | | | |
|---------------------------|----------|----------|------------|----------|------------|
| Output: | 1 | 2 | 3 | 4 | 5 |
| > HPF Frequency: | 20Hz | 34.9Hz | 426Hz | 34.9Hz | 426Hz |
| > HPF Response (dB/Oct.): | L-R/24 | L-R/24 | L-R/24 | L-R/24 | L-R/24 |
| > HPF Peak: | 0dB | 0dB | 0dB | 0dB | 0dB |
| > LPF Frequency: | 87.9Hz | 413Hz | 20000Hz | 413Hz | 20000Hz |
| > LPF Response (dB/Oct.): | L-R/24 | L-R/24 | Full Range | L-R/24 | Full Range |
| > PEQ1 Frequency: | 30.5Hz | 34.9Hz | 6500Hz | 34.9Hz | 6500Hz |
| > PEQ1 Q: | 0.5 Oct. | 0.7 Oct. | 3 Oct. | 0.7 Oct. | 3 Oct. |
| > PEQ1 Level: | 5dB | 6dB | 0.5dB | 6dB | 0.5dB |
| > PEQ2 Frequency: | 48.4Hz | 20Hz | 18200Hz | 20Hz | 18200Hz |
| > PEQ2 Q: | 1.5 Oct. | 1 Oct. | 2.5 Oct. | 1 Oct. | 2.5 Oct. |
| > PEQ2 Level: | 6dB | 0dB | 0dB | 0dB | 0dB |
| > LEQ Q/Slope: | 6dB/Oct | 6dB/Oct | 6dB/Oct | 6dB/Oct | 6dB/Oct |
| > LEQ Frequency: | 20Hz | 20Hz | 20Hz | 20Hz | 20Hz |
| > LEQ Level: | 0dB | 0dB | 0dB | 0dB | 0dB |
| > HEQ Q/Slope | 6dB/Oct | 6dB/Oct | 12dB/Oct | 6dB/Oct | 12dB/Oct |
| > HEQ Frequency: | 500Hz | 500Hz | 15000Hz | 500Hz | 15000Hz |
| > HEQ Level: | 0dB | 0dB | 0.5dB | 0dB | 0.5dB |

Dynamics Menu

| | | | | | |
|-------------------------|-----------|-----------|-----------|-----------|-----------|
| Output: | 1 | 2 | 3 | 4 | 5 |
| > Compressor Threshold: | 22dB | 22dB | 22dB | 22dB | 22dB |
| > Compressor Ratio: | 1:1 | 1:1 | 1:1 | 1:1 | 1:1 |
| > Compressor Attack: | MIN | MIN | MIN | MIN | MIN |
| > Compressor Release: | 10ms | 10ms | 10ms | 10ms | 10ms |
| > Gate Threshold: | -80dBu | -80dBu | -80dBu | -80dBu | -80dBu |
| > Gate Range: | OFF | OFF | OFF | OFF | OFF |
| > Gate Decay: | 0.01dB/ms | 0.01dB/ms | 0.01dB/ms | 0.01dB/ms | 0.01dB/ms |
| > Limiter Threshold: | 10dBu | 11dBu | 15dBu | 11dBu | 15dBu |



DN8000 Software Version 1.15 OEM Preset Access PINs
4 February, 1998

| Preset Name | Preset Access PIN |
|-------------------|-------------------|
| 2&2-WAY,MOMO FR | 00001 |
| 2&2-WAY, MONO SUB | 00001 |
| 3-WAY & 2-WAY | 00001 |
| 4-WAY,MONO FR | 00001 |
| 4-WAY,MONO SUB | 00001 |
| 4-WAY,DI ON IN.A | 00001 |
| 5-WAY,MONO SUB | 00001 |
| FULL 5-WAY,LO-HI | 00001 |
| 5-WAY DISTRIBUTE | 00001 |
| TEST REFERENCE | 21534 |
| EV 4183XA & SUB | 30431 |
| EV 41221XB & SUB | 13554 |
| EV4181/4122/4183 | 35505 |
| EV 4181 & 4122 | 04344 |
| EV 4181 & 4183 | 04511 |
| EV DMS1122/85&S? | 02213 |
| EV DMS1152/64&SB | 43513 |
| EV DMS CONFIGURE | 30323 |
| EV DMS2181T&2122 | 00244 |
| EV 2181T&1183/64 | 43042 |
| EV MTL4B,4.5/64B | 44413 |
| EV MTL4B,4.5/42B | 22223 |
| EV MTL4B,4.5/64* | 52431 |
| EV MTL4B,4.5/42* | 52133 |
| EV MTL2B/2.5/94B | 51540 |
| EV MTL2B,2.5/64B | 13440 |
| EV MTL2B,2.5/42B | 13132 |
| EV MTL2B,2.5/22B | 21521 |
| EV X-ARRAY A | 01145 |
| EV X-ARRAY B | 01150 |
| EAW MX800-62EBH1 | 13313 |
| EAW STANDARD 8J | 15132 |
| EAW A1 850A EQIN | 12310 |
| EAW A1 850A NOEQ | 12311 |
| EAW A1 850D EQIN | 12312 |
| EAW A1 850D NOEQ | 12313 |
| EAW A1 300A EQIN | 12314 |
| EAW A1 300A NOEQ | 12315 |
| EAW A1 300D EQIN | 12320 |
| EAW A1 300D NOEQ | 12321 |



DN8000 - User Interface and Software



The User Interface - What's On The Front Panel.

The DN8000 user interface can be split into four main areas with regards the hardware/software modules. These are

- ★ The three sets of switches: black keys, mutes, pot switches;
- ★ The LCD and associated hardware;
- ★ The LEDs: input meters, output meters, labels, mutes;
- ★ The analogue pots: dual input pot, output pots and
- ★ The encoder.

OK, so that's five main areas then. Each of these can be thought of as a module containing both hardware and software, with one complementing the other. The specific details of the software required to control each hardware module are not within the scope of this document. If details are required, I'll be only too happy to supply the information, bearing in mind the fact that questions about the software are only for the terminally bored.

How the different modules are controlled.

Each module has control algorithms that are specific to what it has to perform. Each module will be dealt with in turn, describing the hardware interaction with the software. The associated test function, if there is one, will be described in a later section.

The Switches.

The switches are read only type controls, and give no feedback themselves as to what function they have performed/are performing, so the hardware for them consists of a latch¹ which is periodically read by the processor to determine their current state. All three sets of switches are handled in the same way, except for the black keys. They work slightly differently. Well, the principle is the same at any rate. The microprocessor has a built in section known as the 'periodic interrupt timer'. This does as the name might suggest and, at regular intervals, stops the processor doing what it's currently doing and tells it to do something else for a moment, before allowing it to continue.

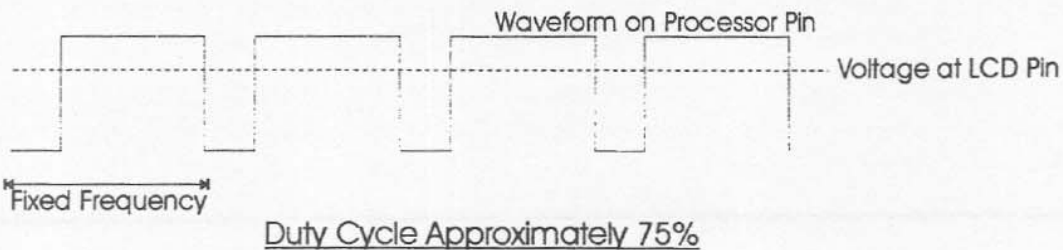
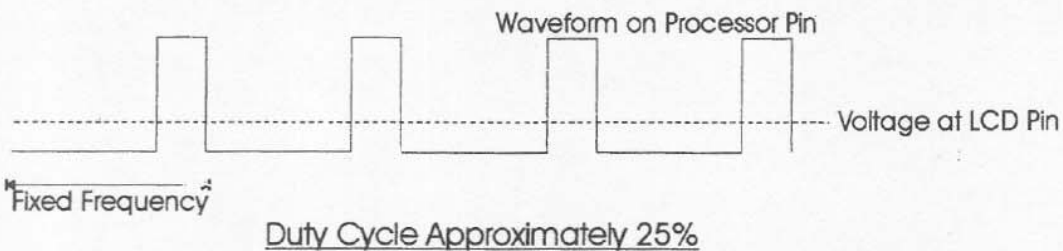
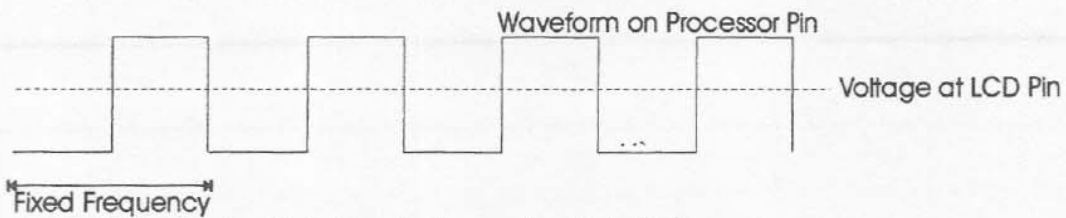
The equivalent real-life situation might be, you're in the middle of making the dinner and your mother rings, at the usual awkward moment. Not wanting to be *completely* ignorant, you drag the 'phone into the kitchen and continue making the dinner. You're making a risotto - you have to watch it like a hawk or it'll burn and you'll be well pissed off/hungry. So you carry on the usual, stopping every minute or so to have a stir at the stuff in the pan. So it's the same with the processor, sort of.

The 'periodic interrupt timer', henceforth known as the 'PIT', forms the heart of a lot of the processes that the DN8000 must perform, keeping everything ticking over. Anyway, all three sets of switches are read at regular intervals as instructed by the PIT. The mute switches are all connected to a latch, forming a neat 'snap-shot' which is checked every 25mS. Similarly, the push switches on the output pots are connected to their own latch, again checked every 25mS. As mentioned earlier, the black keys are slightly different, but only in so far as they don't have an external latch associated with them -

¹ A latch is a 'window' to the outside world (in this case a set of switches) for the microprocessor. It allows many devices to share the same data bus, and only present their information when requested by the microprocessor. If this type of arrangement was not used, then only one set of switches could be connected. Using this arrangement, many such latches can be connected to the same bus. The line used to tell the latch to present its information to the processor is normally known as the 'enable line', or 'chip select line' (/CS).

Contrast Voltage and Adjustment.

The only other connection to the LCD is the contrast voltage pin. This originates as a special connection on the processor and what appears on this pin is a square wave, generated by the processor using a pulse width modulator. This means that the frequency of the waveform appearing here is fixed, but the duty cycle⁴ is variable. This allows the contrast to be adjusted like this...



The waveform which appears on the processor pin is smoothed by a simple resistor and capacitor low-pass filter, turning it into a steady DC level, which is what the LCD requires. Note that the waveform doesn't need to be rectified (the way the AC signal from a mains transformer needs to be rectified with diodes) because it only varies between 0V and +5V - it doesn't go negative the way an AC signal from a transformer does.

⁴ The duty cycle is the term used to describe the timing period

The LEDs.

The LEDs are not connected directly to the processor via latches. This would be possible if there were only a few LEDs, but seeing as there are 72 of them, it would all get a bit complex to put them on 9 (72 LEDs, 8 bits of data) separate latches, not to say take up loads of space. Special LED driver chips are used instead. These connect the LEDs up in a matrix arrangement. This method of operation depends on the human eyes inability to follow flashing lights above a certain speed. This 'persistence of vision' means that, if a light is switched off and on above about 50Hz, the eye perceives it as being permanently on.

The LEDs connected to the LED drive chips are never permanently illuminated but are constantly addressed in a cycle by the chip at somewhere between 800Hz and 3kHz. This makes them appear to be permanently on if required. Due to them not all having individual connections, the wiring on the PCB(s) is simplified and the amount of space required is reduced.

The price paid for this is that the control of which LEDs are on or off by the processor becomes more complex, requiring smarter software to work correctly. The interface between the LED driver chips and the processor is again, a latch, but what is actually happening is slightly different.

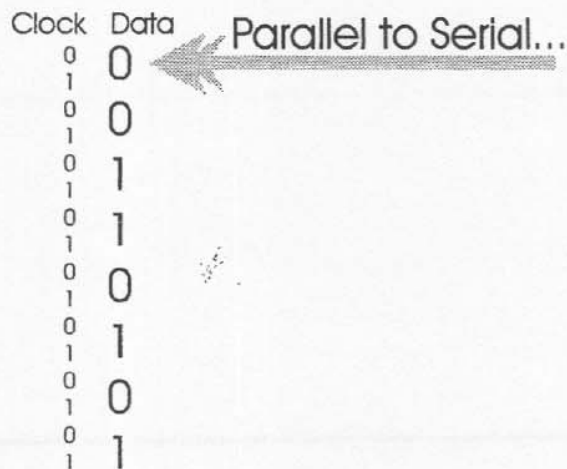
Each of the LED drivers only has three connections to the outside world through which to receive information about which LEDs to switch on. This is because it operates through a serial interface, rather than a parallel one. For the uninitiated, this can be explained with another fantastic real life situation.

Picture the following horrific nightmare. You've just told your mother you'll ring her back, yet again (she always falls for the same old excuse), and, *yet again*, you ask her for the phone number. Imagine your extreme terror when, as she goes to tell you the number, eight of her appear and shout a digit each. "Holy Mary mother of God, and all the Saints above!" you yell.

Things would be OK if there were eight of you to listen for a digit each as well, but they're aren't. So she has to tell you it, a digit at a times so you understand and have no excuse not to ring back. This forms the basis of what has to happen to any data to be sent to the LED drivers. The data has to be converted from parallel to serial, along with a clock signal for synchronisation, and the equivalent of chip select lines to select which LED driver is to process the information. The diagram below describes the process more graphically...

Data to be transmitted: 53

Data to be transmitted (in binary): 00110101
00110101



This process is performed by a bit of software within the processor, and allows each of the three LED drivers to be addressed individually using the top three bits of the latch, with the bottom two bits being used to transmit the converted serial data to all three at once, along with a clock signal to let the chips know then a new bit of data is valid. The ins and outs of what is actually transmitted are not particularly important - suffice to say that it works. The control of the brightness of the LEDs is accomplished digitally by sending a number to each of the LED drivers. This is stored in an internal register on each and affects the rate at which the LEDs are scanned. The slower the rate, the dimmer the LEDs.

The updating of the meters is performed at regular intervals by the processor asking the DSPs (digital signal processors - the

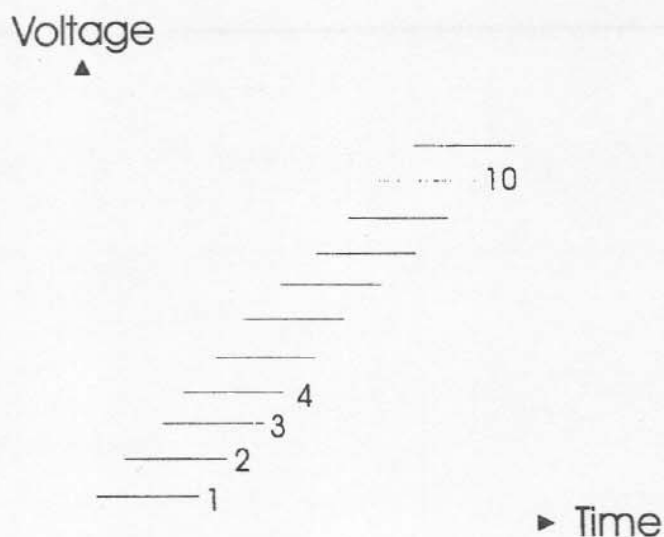
chips which act upon the digitised audio) for levels and, through software changing this to a form to show on the meters. It is told when to do this by the PIT as mentioned in the switches section. This actually happens fifty times a second. All the other LEDs - the mute LEDs and the labels, are only updated when required - i.e. when someone externally calls for them to change by pressing a button, or editing a label (output name).

The Analogue Pots.

The dual input pot, and the five output pots on the DN8000 are not rotary encoders (as you may have noticed) but just normal variable resistor type devices as used on all the analogue gear we make.

However, there are no audio signals present on these pots, just a DC level. This avoids the need to bring any sensitive audio up to the somewhat noisy environment of the front panel (the LCD and LED drivers make a right racket). To allow the position of these devices to be calculated by the processor, it must somehow be able to get a feel for their position at any given time. It does this using its built-in analogue to digital converters.

An analogue to digital convert works to produce a number (which the processor can understand) from an analogue voltage input. Exactly how it accomplishes this is unimportant, but the basic principle is that a the possible range of input voltage is split up into discrete steps, and the one closest to the actual input voltage is used to represent it. The diagram below shows how this applies...

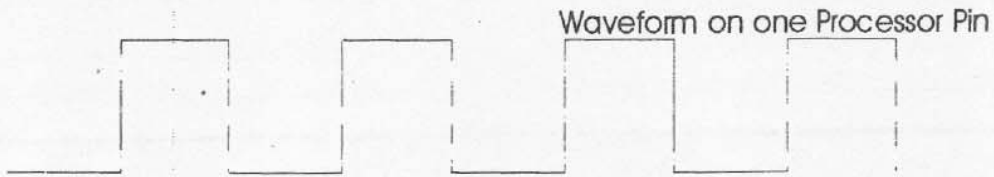


Suppose a pot is slowly turned - on the middle terminal of the pot a slowly rising voltage is produced, as shown in the diagram above. The pots are checked (sampled) on a regular basis using the PIT (periodic interrupt timer - the thing used to

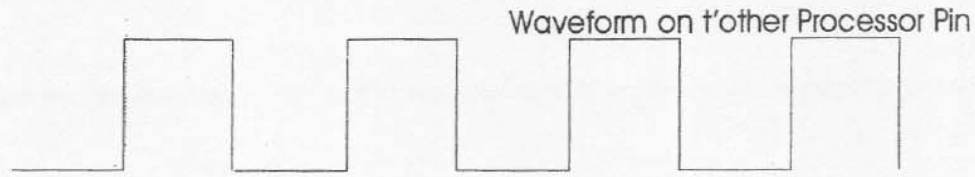
The Encoder.

The reading of the encoder is slightly different to all the other front panel controls, in that it is not checked at regular intervals using the PIT. Rather, it is allowed to interrupt the processor directly, and make it stop what it is at, just long enough to acknowledge the turning action (working out the direction and speed using some software). The actual process of what to do with this information happens whenever there is time available, so what has to be dealt with whilst the encoder is actually being fiddled with is minimal. This is why the meters don't freeze as it is turned.

The encoder is connected directly to the processor on two special pins that are part of a module built into the processor. This module (called the general purpose timer or GPT) is able to, firstly interrupt the processor when the signal on these pins changes (as happened when an encoder is turned), and secondly measure the time between any difference in signal on the pins. Although that sounds rather strange, here's what goes on as the encoder is moved...

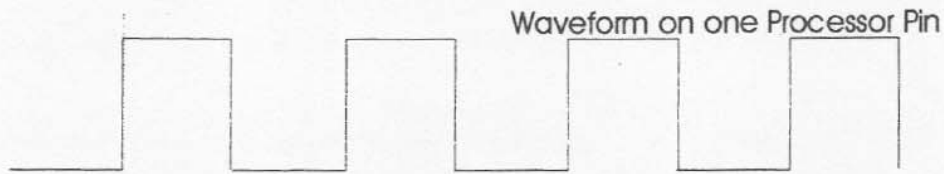


Note the lag between the two signals...

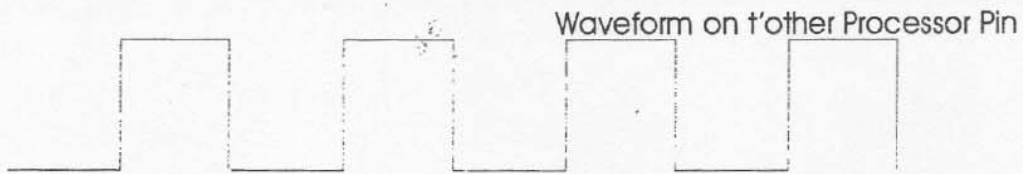


Frequency depends on how fast it's turned

Encoder is turned one direction...



Note the lag between the two signals has been reversed...



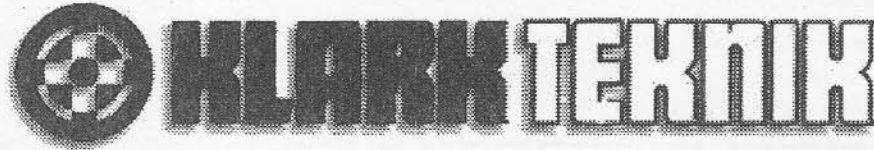
Frequency depends on how fast it's turned

Encoder is turned other direction (at same speed)...

The lead or lag of one waveform with respect to the other, and the frequency of the waveform allows the processor to decide which direction the encoder is going in, and how fast it's being turned. Simple as that...

Wing Hayes

13 January, 1998



DN8000: Integrated Test Functions.

A suite of test functions are included in the DN8000 standard software from version 1.10 upwards. These are mainly concerned with confidence and front panel assembly checks.

Entering Test Mode.

Test mode is accessed by holding in the 'Options' key and the 'Edit' key as the unit is switched on. Confirmation of correct entry into Test mode is given by the message

"Test Mode: Press
Selects to Exit! "

The encoder may now be used to choose on of the following test functions. Pressing 'Enter' when the desired test has been selected will run the test, exiting back to the test selection menu upon completion if fully automatic, or pressing 'Enter' a second time will abort/finish the test in a similar way if manual intervention is required.

1: Switch Test.

The first test is

"Switch Test"

and pressing 'Enter' will run the test. The user is prompted to press all the keys separately. This test will run until all the switches have been pressed, or until a short between two switches is found. When running, the screen is divided into three areas representing the six menu keys, the five mute keys, and the five output select keys (built into the pots). Pressing any key will highlight its open rectangle on the screen, either filled completely in, in the case of the menu keys, or filled with the output number icon for mutes and selects. Once pressed, the rectangle will remain underlined.

Any shorts will immediately stop the test and the pins and IC ident number where the short exists will be reported to the screen.

It is unlikely that shorts will exist between keys belonging to different groups, i.e. a menu key is unlikely to be shorted to a mute key - consequently reported information for these combinations is not reported with pin number/IC idents.

2: LED Test.

The second test is

"LED Test"

and pressing 'Enter' will run the test. All the front panel LEDs will be illuminated individually in an automatic cycle, together with an on screen

message detailing the LED that should be on, together with the IC ident and segment number (with reference to the circuit diagram). Finally, all the LEDs are illuminated, all are extinguished and control is handed back to the user. The encoder may now be used to manually run through the test to check any LED if required. To exit the test, press 'Enter' again. Note that the test does not have to run its automatic course - it may be stopped at any point by pressing 'Enter'.

3: Display Test.

The third test is

"Display Test"

and pressing 'Enter' will run the test. Obviously, if the information can be read from the screen, chances are the LCD is functioning correctly, but this test checks the individual row/column addressing of the LCD in case any problems exist that are not immediately visible with text messages. The test will automatically draw a complete horizontal line across the screen, sequentially moving it down row by row, followed by a complete line vertically sequentially moving it across the screen, column by column. This will be followed by two screens of alternate pixels on/off, the all on and finally all off.

A message will now appear to signal that manual control has been handed back to the user. The encoder may now be used to manually run through the test, re-checking any required parts of the display. Pressing 'Enter' will exit the test. In common with the last test this one does not have to run its automatic course - it may also be stopped at any point by pressing 'Enter'.

4: Comms Test.

The fourth test is

"Comms Test"

and pressing 'Enter' will run the test. It is recommended that no external connections are made to the Comms during this test, and that the unit is NOT connected to any other DN8000's. This test is fully automatic and may not be stopped manually. It runs in two parts.

Firstly, the UART is switched into loopback mode where all transmitted messages are internally sent back into the UART, without access to the RS485 driver IC, or the external XLR connections. Special messages are transmitted and verified at a selection of key baud rates, the progress being displayed on the screen. If this is successful, a message is displayed and the second part of the test runs. If not, the test aborts with a failure message.

The second part of the test switches the UART into normal independent operation and reconnects it to the RS485 driver. The driver is switched into loopback mode, and the tests are re-run with it connected to verify its integrity at key baud rates. Any problems are reported to the screen.

5: Calibrate Pots.

The fifth test is

"Calibrate Pots"

and pressing 'Enter' will start the test. This test removes any errors due to poor tolerances (which are worst at the mid-point) producing battery-backed error offsets to make the pot settings accurate. All pots must be set to their mid-point prior to running the test - opportunity is given for this at the start of the test. Each pot is calibrated in turn - a message will appear saying "Can't Calibrate..." followed by the pot in question. Note that this message will also appear if the pots are not centred. Error compensation will be applied up to a point away from the centre position (effectively allowing the pots to be calibrated to another point away from the centre click), but this is inadvisable.

6: DSP Test Boot.

The sixth test is

"DSP Test Boot"

This test is currently under re-construction, and should not be used.

7: DSP Test Tone.

The seventh test is

"DSP Test Tone"

This test is currently under re-construction, and should not be used.

8: RAM Control.

The eighth test is

"RAM Control"

Pressing 'Enter' will run the test. This test does not actually perform any checks, but is used to selectively reset parts of the battery-backed memory. Once running it is possible to reset any individual user memory to default values, all user memories, options menu only, or everything. For safety, the initialisation will only occur when the test mode is exited. Selecting this test again with the test menu will reset the selection to "Nothing!".

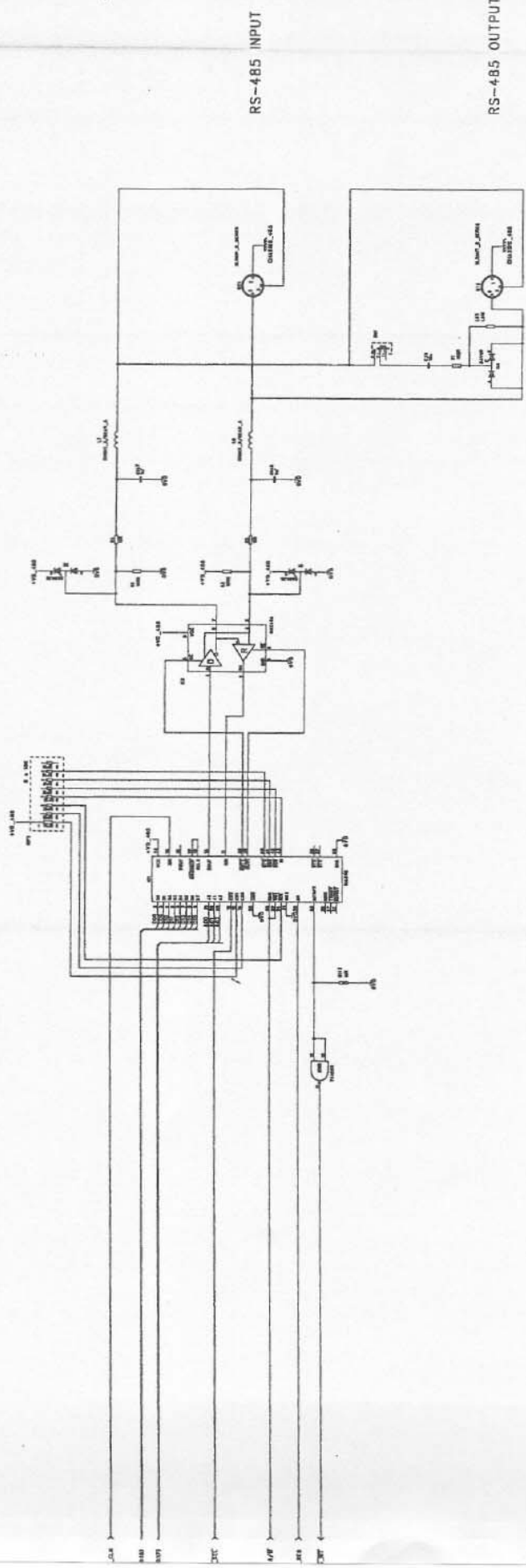
9: Usage Stats.

The ninth test is

"Usage Stats"

This is a record of how long the unit has been switched on, and how many times. Pressing 'Enter' will show the session counter/clock. Pressing 'Enter' again will exit. To clear this log, select the "Options Only" choice in the "RAM Control" test.

Waring Hayes
27 October, 1997



RS-485 INPUT

RS-485 OUTPUT

KLARK TEKNIK PLC.

| | | |
|---------------------------------|----------------|----------------|
| UNIT: DNB000 | DATE: 27/05/97 | SHEET: 1 of 8 |
| TITLE: RS-485 INTERFACE CIRCUIT | DRAWN: A.D.W. | DRG No. B000b3 |
| BOARD No. 8000b | BOARD Iss. 3 | SHEET Iss. 3 |

| Assembly Part Number | Assembly Description | Component Part Number | Part Desc | Quantity | Text |
|----------------------|-----------------------|-----------------------|--------------------------|----------|---|
| KTADC-02 | CONVENTIONAL ASSY KIT | CON84-TERM11 | SMALL VERO PIN | 1 | V1, |
| KTADC-02 | CONVENTIONAL ASSY KIT | MWK-GENM03-2 | SINGLE XLR SHIELDING BKT | 2 | SK15,SK16 |
| KTADC-02 | CONVENTIONAL ASSY KIT | POT33-06502VS | 500R MULTI-TURN PRESET | 2 | VR1,VR2, |
| KTADC-02 | CONVENTIONAL ASSY KIT | RES02-0E0R00 | 0 OHM LINK (LARGE) | 11 | LK1,LK2,LK3,LK4,LK5,LK12,LK13,LK17,LK18,LK19,LK20, |
| KTADC-02 | CONVENTIONAL ASSY KIT | RES02-2E3R60 | 360R RES.M.FILM 1% 0.5W | 8 | R91,R92,R93,R94,R95,R96,R97, R98, |
| KTADC-02 | CONVENTIONAL ASSY KIT | RES21-84I510 | 10K SIL (4 RESISTORS) | 1 | RP3, |
| KTADC-02 | CONVENTIONAL ASSY KIT | RES21-98C510 | 8 X 1K RES SIL 9 PIN | 2 | RP1,RP2, |
| KTADC-02 | CONVENTIONAL ASSY KIT | SEM22-78L05 | 78L05 3/T092 | 2 | REG1,REG3, |
| KTADC-02 | CONVENTIONAL ASSY KIT | SEM22-79L05 | 79L05 (-5V) T092 | 2 | REG2,REG4, |
| KTADC-02 | CONVENTIONAL ASSY KIT | SEM48-CS5389KP | CS5389KP A/D CONVERTER | 2 | IC9,IC10, |
| KTADC-02 | CONVENTIONAL ASSY KIT | SEM81-KTR011 | HYBRID X 4 FET DRIVE | 2 | HYB1,HYB2, |
| KTADC-02 | CONVENTIONAL ASSY KIT | TMR21-BEADLINK | FERRITE BEADLINK | 3 | L5,L6,L7, |
| KTADC-02 | CONVENTIONAL ASSY KIT | TMR23-55Y5S102 | 1n Noise Suppressor Cap | 4 | L1,L2,L3,L4, |
| KTADC-02 | CONVENTIONAL ASSY KIT | TMR31-056U050A | INDUCTOR 56UH 50V | 2 | L8,L9, |
| KTADC-02 | CONVENTIONAL ASSY KIT | WIR81-24SWG | 24 SWG TIN. COPPER WIRE | 0.0007 | JP3-JP6,JP9 JP1(PINS 1 AND 2),JP2 (PINS 1 AND 2) |
| KTADC-03 | DN8000 AD TEST KIT | SEM47-1765D | SERIAL 8 BIT EPROM | 1 | IC13 |

| Assembly Part Number | Assembly Description | Component Part Number | Part Desc | Quantity | Lot |
|----------------------|------------------------|-----------------------|--------------------------|----------|--|
| KTADC-01 | SURFACE MOUNT ASSEMBLY | RES51-4E1R71 | SMD 17K4 1% RES 0805 | 2 | R16,R40, |
| KTADC-01 | SURFACE MOUNT ASSEMBLY | RES51-4E2R00 | SMD 20K 1% RES 1206 | 4 | R18,R19,R42,R43, |
| KTADC-01 | SURFACE MOUNT ASSEMBLY | RES51-4E2R20 | SMD 22K 1% RES 1206 | 6 | R3,R4,R5,R29,R30,R31, |
| KTADC-01 | SURFACE MOUNT ASSEMBLY | RES51-4E3R00 | SMD 30K 1% RES 1206 | 2 | R111,R113, |
| KTADC-01 | SURFACE MOUNT ASSEMBLY | RES51-4E3R60 | SMD 36K 1% RES 1206 | 4 | R6,R7,R106,R109, |
| KTADC-01 | SURFACE MOUNT ASSEMBLY | RES51-4E3R90 | 39K .125 1% 1206 | 2 | R17,R41 |
| KTADC-01 | SURFACE MOUNT ASSEMBLY | RES52-2E1R00 | 100R 0.125W 5%SMD | 17 | R75,R76,R77,R78,R79,R80,R81, R82,R89,R90,R99,R100,R101,R102 R103,R104, R105, |
| KTADC-01 | SURFACE MOUNT ASSEMBLY | RES52-2E3R30 | 330R 0.125W 5%SMD | 2 | R47,R48, |
| KTADC-01 | SURFACE MOUNT ASSEMBLY | RES52-3E1R50 | SMD 1K5 5% RES 1206 | 1 | R83 |
| KTADC-01 | SURFACE MOUNT ASSEMBLY | RES52-3E5R10 | 5K1 0.125W 5%SMD | 20 | R13,R37, |
| KTADC-01 | SURFACE MOUNT ASSEMBLY | RES52-4E1R50 | 15K 0.125W 5%SMD | 2 | R23,R24, |
| KTADC-01 | SURFACE MOUNT ASSEMBLY | RES52-4E2R70 | SMD 27K 5% RES 1206 | 2 | R84,R107, |
| KTADC-01 | SURFACE MOUNT ASSEMBLY | RES52-6E1R00 | 1M 0.125W 5%SMD | 2 | R85,R86, |
| KTADC-01 | SURFACE MOUNT ASSEMBLY | SEM15-BAT54S | SCHOTTKY BARRIER DIODE | 4 | D1,D14,D15,D17, |
| KTADC-01 | SURFACE MOUNT ASSEMBLY | SEM15-BAV70 | HIGH SPEED DIODE | 3 | D2,D4,D3 |
| KTADC-01 | SURFACE MOUNT ASSEMBLY | SEM34-J112SMD | SMD J112 FET | 8 | Q1,Q2,Q3,Q4,Q5,Q6,Q7,Q8, |
| KTADC-01 | SURFACE MOUNT ASSEMBLY | SEM51-LM393 | SMD DUAL COMPARATOR | 1 | IC11, |
| KTADC-01 | SURFACE MOUNT ASSEMBLY | SEM51-MC33078D | SMD DUAL OP AMP | 4 | IC3,IC6,IC7,IC8, |
| KTADC-01 | SURFACE MOUNT ASSEMBLY | SEM51-NE5532D | SMD DUAL OP AMP | 2 | IC1,IC4, |
| KTADC-01 | SURFACE MOUNT ASSEMBLY | SEM51-NE5534D | SMD OP AMP | 2 | IC2,IC5, |
| KTADC-01 | SURFACE MOUNT ASSEMBLY | SEM54-0HC125 | SMD QUAD BUS BUFFER GATE | 1 | IC14, |
| KTADC-01 | SURFACE MOUNT ASSEMBLY | SEM56-5202 | SMD FPGA PQ100 | 1 | IC12, |
| KTADC-02 | CONVENTIONAL ASSY KIT | CAP12-J410100 | 1U POLYESTER CAP 0.2" 5% | 1 | C85, |
| KTADC-02 | CONVENTIONAL ASSY KIT | CAP32-H168100 | 6N8 63V POLYPROP.CAP 5MM | 4 | C47,C48,C49,C50, |
| KTADC-02 | CONVENTIONAL ASSY KIT | CAP42-210050LP | 10UF 50V LPRAD.ELEC.CAP | 9 | C67,C68,C69,C70,C71,C72,C73, C74,C77, |
| KTADC-02 | CONVENTIONAL ASSY KIT | CAP42-247063 | 47UF 63V RAD.ELECCAP | 4 | C1,C2,C29,C30, |
| KTADC-02 | CONVENTIONAL ASSY KIT | CAP42-310016 | 100U16V ELEC.RAD.CAP0.1" | 3 | C75,C76,C104, |
| KTADC-02 | CONVENTIONAL ASSY KIT | CAP42-322025 | 220UF 25V RAD.ELEC.CAP | 12 | C6,C7,C11,C13,C27,C28,C34,C35, C39,C41,C83,C84, |
| KTADC-02 | CONVENTIONAL ASSY KIT | CON01-10SMPS | 0.1x10 LONG PIN | 4 | SK9,SK10,SK11,SK12 |
| KTADC-02 | CONVENTIONAL ASSY KIT | CON12-08MC | 0.05" 8WY RIB. CBL.CON | 1 | SK3, |
| KTADC-02 | CONVENTIONAL ASSY KIT | CON21-48CFPR | 48WAY r/a DIN41612 HD FM | 1 | SK4, |
| KTADC-02 | CONVENTIONAL ASSY KIT | CON23-10SFSG | HARWIN 10WAY SINGLE ROW | 4 | SK13,SK14,SK15,SK16 |
| KTADC-02 | CONVENTIONAL ASSY KIT | CON31-3FBHI | NC3 FBH1 XLR | 2 | SK1,SK2, |
| KTADC-02 | CONVENTIONAL ASSY KIT | CON52-08P310 | 8 PIN DIL IC SOCKET | 1 | IC13 |

| Assembly Part Number | Assembly Description | Component Part Number | Part Desc | Quantity | Text |
|----------------------|------------------------|-----------------------|--------------------------|----------|--|
| DN8000-09 | DN8000 A TO D BOARD | SEM51-NE5534D | SMD OP AMP | 2 | IC2,IC5, |
| DN8000-09 | DN8000 A TO D BOARD | SEM54-0HC125 | SMD QUAD BUS BUFFER GATE | 1 | IC14, |
| DN8000-09 | DN8000 A TO D BOARD | SEM56-5202 | SMD FPGA PQ100 | 1 | IC12, |
| DN8000-09 | DN8000 A TO D BOARD | SEM81-KTR011 | HYBRID X 4 FET DRIVE | 2 | HYB1,HYB2, |
| DN8000-09 | DN8000 A TO D BOARD | TMR21-BEADLINK | FERRITE BEADLINK | 3 | L5,L6,L7, |
| DN8000-09 | DN8000 A TO D BOARD | TMR23-5Y5S102 | 1n Noise Suppressor Cap | 4 | L1,L2,L3,L4, |
| DN8000-09 | DN8000 A TO D BOARD | TMR31-056U050A | INDUCTOR 56UH 50V | 2 | L8,L9, |
| KTADC-01 | SURFACE MOUNT ASSEMBLY | CAP05-J247050 | 47pF CERAM 50V 5% 1206 | 12 | C4,C5,C8,C10,C12,C14,C32,C33, |
| KTADC-01 | SURFACE MOUNT ASSEMBLY | CAP05-K215050 | SMD CERAMIC CAP 120615PF | 2 | C105,C106, |
| KTADC-01 | SURFACE MOUNT ASSEMBLY | CAP05-K222050 | SMD CERAMIC CAP 120622PF | 2 | C9,C37, |
| KTADC-01 | SURFACE MOUNT ASSEMBLY | CAP05-K310050 | SMD CER. CAP 1206 100PF | 4 | C43,C44,C45,C46, |
| KTADC-01 | SURFACE MOUNT ASSEMBLY | CAP05-K333050 | 330pf SMT CERAMIC CAP | 2 | C3,C31 |
| KTADC-01 | SURFACE MOUNT ASSEMBLY | CAP05-K510050 | SMD CERAMIC CAP 120610NF | 13 | C78,C79,C80,C94,C95,C96,C97,C98,C99,C100,C101,C102,C103, |
| KTADC-01 | SURFACE MOUNT ASSEMBLY | CAP05-K610050 | SMD CER. CAP 1206 100NF | 32 | C15,C16,C17,C18,C19,C20,C21,C22,C23,C24,C25,C26,C51,C52,C53,C54,C55,C56,C57,C58,C86,C87,C88,C89,C90,C91,C92,C93,C107,C108,C109,C110, |
| KTADC-01 | SURFACE MOUNT ASSEMBLY | CAP05-K622050 | SMD CER. CAP 1206 220NF | 10 | C59,C60,C61,C62,C63,C64,C65,C66,C81,C82, |
| KTADC-01 | SURFACE MOUNT ASSEMBLY | PCK-ADC-2 | DN8000 ADC PCB | 1 | |
| KTADC-01 | SURFACE MOUNT ASSEMBLY | RES51-1E3R90 | SMD 39R 1% RES 1206 | 8 | R59,R60,R61,R62,R71,R72,R73,R7 |
| KTADC-01 | SURFACE MOUNT ASSEMBLY | RES51-2E1R20 | SMD 120R 1% RES 1206 | 4 | R1,R2,R27,R28, |
| KTADC-01 | SURFACE MOUNT ASSEMBLY | RES51-2E3R00 | 300R 1% SMT RESISTOR | 2 | R58,R70 |
| KTADC-01 | SURFACE MOUNT ASSEMBLY | RES51-2E4R70 | SMD 470R 1% RES 1206 | 10 | R8,R9,R32,R33,R55,R56,R57,R67,R68,R69, |
| KTADC-01 | SURFACE MOUNT ASSEMBLY | RES51-2E5R60 | 560R 1% SMT RESISTOR | 2 | R12,R36 |
| KTADC-01 | SURFACE MOUNT ASSEMBLY | RES51-2E6R80 | SMD 680R 1% RES 1206 | 2 | R25,R26, |
| KTADC-01 | SURFACE MOUNT ASSEMBLY | RES51-2E7R50 | SMD 750R 1% RES 1206 | 4 | R49,R50,R63,R64, |
| KTADC-01 | SURFACE MOUNT ASSEMBLY | RES51-3E1R11 | SMD 1K10 1% RES 0805 | 2 | R20,R44, |
| KTADC-01 | SURFACE MOUNT ASSEMBLY | RES51-3E1R21 | SMD 1K21 1% RES 0805 | 4 | R51,R52,R108,R110, |
| KTADC-01 | SURFACE MOUNT ASSEMBLY | RES51-3E1R50 | SMD 1K5 1% RES 1206 | 5 | R53,R54,R65,R66 |
| KTADC-01 | SURFACE MOUNT ASSEMBLY | RES51-3E2R00 | SMD 2K 1% RES 1206 | 4 | R10,R11,R34,R35, |
| KTADC-01 | SURFACE MOUNT ASSEMBLY | RES51-3E6R61 | SMD 6K65 1% RES 0805 | 2 | R15,R39, |
| KTADC-01 | SURFACE MOUNT ASSEMBLY | RES51-4E1R00 | 10K 0.125W 1% SMD | 6 | R14,R38,R112,R114,R87,R88, |

| Assembly Part Number | Assembly Description | Component Part Number | Part Desc | Quantity | Text |
|----------------------|----------------------|-----------------------|------------------------|----------|---|
| JN8000-09 | DN8000 A TO D BOARD | RES21-84I510 | 10K SIL (4 RESISTORS) | 1 | RP3, |
| JN8000-09 | DN8000 A TO D BOARD | RES21-98C510 | 8 X 1K RES SIL 9 PIN | 2 | RP1,RP2, |
| JN8000-09 | DN8000 A TO D BOARD | RES51-1E3R90 | SMD 39R 1% RES 1206 | 8 | R59,R60,R61,R62,R71,R72,R73,R7 |
| JN8000-09 | DN8000 A TO D BOARD | RES51-2E1R20 | SMD 120R 1% RES 1206 | 4 | R1,R2,R27,R28, |
| JN8000-09 | DN8000 A TO D BOARD | RES51-2E3R60 | SMD 360R 1% RES 1206 | 2 | R58,R70, |
| JN8000-09 | DN8000 A TO D BOARD | RES51-2E4R70 | SMD 470R 1% RES 1206 | 10 | R8,R9,R32,R33,R55,R56,R57,R67, R68,R69, |
| JN8000-09 | DN8000 A TO D BOARD | RES51-2E6R80 | SMD 680R 1% RES 1206 | 2 | R25,R26, |
| JN8000-09 | DN8000 A TO D BOARD | RES51-2E7R50 | SMD 750R 1% RES 1206 | 4 | R49,R50,R63,R64, |
| JN8000-09 | DN8000 A TO D BOARD | RES51-3E1R11 | SMD 1K10 1% RES 0805 | 2 | R20,R44, |
| JN8000-09 | DN8000 A TO D BOARD | RES51-3E1R21 | SMD 1K21 1% RES 0805 | 6 | R12,R36,R51,R52,R108,R110, |
| JN8000-09 | DN8000 A TO D BOARD | RES51-3E1R50 | SMD 1K5 1% RES 1206 | 5 | R53,R54,R65,R66 |
| JN8000-09 | DN8000 A TO D BOARD | RES51-3E2R00 | SMD 2K 1% RES 1206 | 4 | R10,R11,R34,R35, |
| JN8000-09 | DN8000 A TO D BOARD | RES51-3E6R61 | SMD 6K65 1% RES 0805 | 2 | R15,R39, |
| JN8000-09 | DN8000 A TO D BOARD | RES51-4E1R00 | 10K 0.125W 1% SMD | 6 | R14,R38,R112,R114,R87,R88, |
| JN8000-09 | DN8000 A TO D BOARD | RES51-4E1R71 | SMD 17K4 1% RES 0805 | 2 | R16,R40, |
| JN8000-09 | DN8000 A TO D BOARD | RES51-4E2R00 | SMD 20K 1% RES 1206 | 4 | R18,R19,R42,R43, |
| JN8000-09 | DN8000 A TO D BOARD | RES51-4E2R20 | SMD 22K 1% RES 1206 | 6 | R3,R4,R5,R29,R30,R31, |
| JN8000-09 | DN8000 A TO D BOARD | RES51-4E3R00 | SMD 30K 1% RES 1206 | 2 | R111,R113, |
| JN8000-09 | DN8000 A TO D BOARD | RES51-4E3R60 | SMD 36K 1% RES 1206 | 4 | R6,R7,R106,R109, |
| JN8000-09 | DN8000 A TO D BOARD | RES52-2E1R00 | 100R 0.125W 5%SMD | 17 | R75,R76,R77,R78,R79,R80,R81,R8 2,R89,R90,R99,R100,R101,R102,R 103,R104, R105, |
| JN8000-09 | DN8000 A TO D BOARD | RES52-3E1R00 | 1K 0.125W 5%SMD | 2 | R47,R48, |
| JN8000-09 | DN8000 A TO D BOARD | RES52-3E5R10 | 5K1 0.125W 5%SMD | 20 | R13,R37, |
| JN8000-09 | DN8000 A TO D BOARD | RES52-4E1R50 | 15K 0.125W 5%SMD | 2 | R23,R24, |
| JN8000-09 | DN8000 A TO D BOARD | RES52-4E2R70 | SMD 27K 5% RES 1206 | 2 | R84,R107, |
| JN8000-09 | DN8000 A TO D BOARD | RES52-6E1R00 | 1M 0.125W 5%SMD | 2 | R85,R86, |
| JN8000-09 | DN8000 A TO D BOARD | SEM15-BAT54S | SCHOTTKY BARRIER DIODE | 4 | D1, D14,D15,D17, |
| JN8000-09 | DN8000 A TO D BOARD | SEM15-BAV70 | HIGH SPEED DIODE | 3 | D2,D4,D3 |
| JN8000-09 | DN8000 A TO D BOARD | SEM22-78L05 | 78L05 3/T092 | 2 | REG1,REG3, |
| JN8000-09 | DN8000 A TO D BOARD | SEM22-79L05 | 79L05 (-5V) T092 | 2 | REG2,REG4, |
| JN8000-09 | DN8000 A TO D BOARD | SEM34-J112SMD | SMD J112 FET | 8 | Q1,Q2,Q3,Q4,Q5,Q6,Q7,Q8, |
| JN8000-09 | DN8000 A TO D BOARD | SEM47-1765D | SERIAL 8 BIT EPROM | 1 | IC13, |
| JN8000-09 | DN8000 A TO D BOARD | SEM48-CS5389KP | CS5389KP A/D CONVERTER | 2 | IC9,IC10, |
| JN8000-09 | DN8000 A TO D BOARD | SEM51-LM393 | SMD DUAL COMPARTOR | 1 | IC11, |
| JN8000-09 | DN8000 A TO D BOARD | SEM51-MC33078D | SMD DUAL OP AMP | 4 | IC3,IC6,IC7,IC8, |
| JN8000-09 | DN8000 A TO D BOARD | SEM51-NE5532D | SMD DUAL OP AMP | 2 | IC1,IC4, |

Sheet1

| Assembly Part Number | Assembly Description | Component Part Number | Part Desc | Quantity | Text |
|----------------------|----------------------|-----------------------|--------------------------|----------|--|
| DN8000-08 | Packing Kit | PAC01-1U | CARDBOARD BOX 1U SIZE | 1 | |
| DN8000-08 | Packing Kit | PAC81-POLY1U | POLY PACKS TYPE C 1U | 2 | |
| DN8000-08 | Packing Kit | PAC93-MAINS | MAINS WARNING LABEL | 1 | |
| DN8000-08 | Packing Kit | PWR21-P20100 | MAINS PLUG LEAD | 1 | |
| DN8000-09 | DN8000 A TO D BOARD | CAP05-J247050 | 47pF CERAM 50V 5% 1206 | 12 | C4,C5,C8,C10,C12,C14,C32,C33,C36,C38,C40,C42, |
| DN8000-09 | DN8000 A TO D BOARD | CAP05-K215050 | SMD CERAMIC CAP 120615PF | 2 | C105,C106, |
| DN8000-09 | DN8000 A TO D BOARD | CAP05-K222050 | SMD CERAMIC CAP 120622PF | 2 | C9,C37, |
| DN8000-09 | DN8000 A TO D BOARD | CAP05-K310050 | SMD CER. CAP 1206 100PF | 4 | C43,C44,C45,C46, |
| DN8000-09 | DN8000 A TO D BOARD | CAP05-K510050 | SMD CERAMIC CAP 120610NF | 13 | C78,C79,C80,C94,C95,C96,C97,C98,C99,C100,C101,C102,C103, |
| DN8000-09 | DN8000 A TO D BOARD | CAP05-K610050 | SMD CER. CAP 1206 100NF | 32 | C15,C16,C17,C18,C19,C20,C21,C22,C23,C24,C25,C26,C51,C52,C53,C54,C55,C56,C57,C58,C86,C87,C88,C89,C90,C91,C92,C93,C107,C108,C109,C110, |
| DN8000-09 | DN8000 A TO D BOARD | CAP05-K622050 | SMD CER. CAP 1206 220NF | 10 | C59,C60,C61,C62,C63,C64,C65,C66,C81,C82, |
| DN8000-09 | DN8000 A TO D BOARD | CAP12-J410100 | 1U POLYESTER CAP 0.2" 5% | 1 | C85, |
| DN8000-09 | DN8000 A TO D BOARD | CAP32-H168100 | 6N8 63V POLYPROP.CAP 5MM | 4 | C47,C48,C49,C50, |
| DN8000-09 | DN8000 A TO D BOARD | CAP42-210050LP | 10UJF 50V LPRAD.ELEC.CAP | 9 | C67,C68,C69,C70,C71,C72,C73,C74,C77, |
| DN8000-09 | DN8000 A TO D BOARD | CAP42-247063 | 47UF 63V RAD.ELECCAP | 4 | C1,C2,C29,C30, |
| DN8000-09 | DN8000 A TO D BOARD | CAP42-310016 | 100U16V ELEC.RAD.CAP0.1" | 1 | C104, |
| DN8000-09 | DN8000 A TO D BOARD | CAP42-322025 | 220UF 25V RAD.ELEC.CAP | 12 | C6,C7,C11,C13,C27,C28,C34,C35,C39,C41,C83,C84, |
| DN8000-09 | DN8000 A TO D BOARD | CAP43-347016 | 470U 16V RAD.ELEC.CAP | 2 | C75,C76, |
| DN8000-09 | DN8000 A TO D BOARD | CON12-08MC | 0.05" 8WY RIB. CBL.CON | 1 | SK3, |
| DN8000-09 | DN8000 A TO D BOARD | CON21-48CFPR | 48WAY r/a DIN41612 HD FM | 1 | SK4, |
| DN8000-09 | DN8000 A TO D BOARD | CON31-3FBHI | NC3 FBH1 XLR | 2 | SK1,SK2, |
| DN8000-09 | DN8000 A TO D BOARD | CON84-TERM11 | SMALL VERO PIN | 1 | V1, |
| DN8000-09 | DN8000 A TO D BOARD | MWK-GENM01-2 | XLR SHIELDING BRACKET | 1 | SK1,SK2 |
| DN8000-09 | DN8000 A TO D BOARD | PCK-ADC-2 | DN8000 ADC PCB | 1 | |
| DN8000-09 | DN8000 A TO D BOARD | POT33-06502VS | 500R MULTI-TURN PRESET | 2 | VR1,VR2, |
| DN8000-09 | DN8000 A TO D BOARD | RES02-0E0R00 | 0 OHM LINK (LARGE) | 11 | LK1,LK2,LK3,LK4,LK5,LK12,LK13,LK17,LK18,LK19,LK20, |
| DN8000-09 | DN8000 A TO D BOARD | RES02-2E3R60 | 360R RES.M.FILM 1% 0.5W | 8 | R91,R92,R93,R94,R95,R96,R97,R98, |

| Assembly Part Number | Assembly Description | Component Part Number | Part Desc. | Quantity | Issd |
|----------------------|-----------------------|-----------------------|--------------------------|----------|---|
| DN8000-06 | Main Chassis Assembly | FAS03-M30SZE | M3 EXTERNAL STAR WASHER | 27 | MAIN CHASSIS TO SUB CHASSIS SIDE FIXINGS, POWER SWITCH BRD TO CHASSIS, PSU TO CHASSIS, MAIN BRD TO CHASSIS, INTERFACE BRD TO CHASSIS, FAN TO CHASSIS, ADC BRD TO CHASSIS, |
| DN8000-06 | Main Chassis Assembly | FAS31-0725866 | M3x3.5mm PUSH RIVET WHT | 2 | PSU INSULATING COVER FIXINGS |
| DN8000-06 | Main Chassis Assembly | FRN58-4302RED | RECTANGULAR CAP SMALL | 1 | POWER SWITCH CAP FIX TO 2 PART EXTENDER ARM BREAK OFF FROM FRONT PCB |
| DN8000-06 | Main Chassis Assembly | HSK01-TV5 | HEATSINK TV5 | 1 | |
| DN8000-06 | Main Chassis Assembly | HSK11-4T12MWS | 12 VOLT FAN | 1 | FAN |
| DN8000-06 | Main Chassis Assembly | HSK22-T220P045 | MOUNTING KITS TO22 | 2 | |
| DN8000-06 | Main Chassis Assembly | HWR03-M30DP | MOUNTING KITS T022 | 2 | |
| DN8000-06 | Main Chassis Assembly | HWR11-030601 | M3x0.055" BIVAR PVC SPAC | 4 | |
| DN8000-06 | Main Chassis Assembly | HWR99-DY352557 | SWITCH COUPLING DYNACORD | 1 | MAINS SWITCH COUPLING |
| DN8000-06 | Main Chassis Assembly | L1-PSUJ09 | S/MODEPSU+5V+18V-18V 40W | 1 | |
| DN8000-06 | Main Chassis Assembly | MWK-DN80M04 | DN8000 MAIN CHASSIS | 1 | |
| DN8000-06 | Main Chassis Assembly | MWK-DN80M08 | DN8000 PSU COVER | 1 | |
| DN8000-06 | Main Chassis Assembly | PAC93-EARTH | EARTH SYMBOL LABEL | 1 | Adjacent to earth screw. |
| DN8000-06 | Main Chassis Assembly | PWR13-CR2430 | 3V LITHIUM CELL VERT PCB | 1 | BATT1 |
| DN8000-06 | Main Chassis Assembly | SEM22-7805CT | LM7805CT | 1 | REG 1 |
| DN8000-06 | Main Chassis Assembly | SEM22-79M05CKC | -5V T0220 | 1 | REG 6 |
| DN8000-07 | Test Kit | PWR31-20T0050 | FUSE 500MA TIME DELAY | 2 | MAIN FUSE + SPARE BOTH GO IN POWER INLET DRAWER |
| DN8000-07 | Test Kit | RES01-4E1R00 | 10K RES.M.FILM 5% 0.4W | 2 | R54,R55. Fit if ADC has analogue gain control. |
| DN8000-07 | Test Kit | SEM47-17128D | SERIAL EPROM | 1 | IC13 ***** PROGRAM BEFORE FIT ***** |
| DN8000-07 | Test Kit | SEM47-27C101G | 27C101G 1Mb EPROM | 2 | IC18,IC19,***** PROGRAM BEFORE FIT ***** |
| DN8000-08 | Packing Kit | DOC02-DN8000/A | DN8000 MANUAL | 1 | |
| DN8000-08 | Packing Kit | FAS01-M3006CPB | M3 X 6 CSK POZI BLK | 2 | TOP COVER FIXINGS |
| DN8000-08 | Packing Kit | FAS01-M3006PPB | M3 X 6 P/POZI BLK | 8 | TOP COVER REAR & SIDE |
| DN8000-08 | Packing Kit | MWK-DN80M07 | DN8000 COVER | 1 | |

Sheet1

| Assembly Part Number | Assembly Description | Component Part Number | Part Desc | Quantity | UoM |
|----------------------|-----------------------|-----------------------|--------------------------|----------|--|
| DN8000-05 | Sub-Chassis Assembly | HWR11-430810B | 10MM SPACER | 1 | |
| DN8000-05 | Sub-Chassis Assembly | MWK-DN80M05 | DN8000 SUB CHASSIS | 1 | |
| DN8000-05 | Sub-Chassis Assembly | MWK-DN80M09-1 | COMPLETE FRONT PANEL | 1 | |
| DN8000-05 | Sub-Chassis Assembly | SEM02-16LED04Y | 2x16 LCD YEL LED LIGHT | 1 | LCD |
| DN8000-06 | Main Chassis Assembly | ACBLK-0020-3 | I/P POT TO MAIN BOARD | 1 | MAIN BRD TO INPUT POT BRD |
| DN8000-06 | Main Chassis Assembly | ACBLK-0015-1 | PF50/12-PF50/12 x 127mm | 1 | MAIN BRD TO LEVEL & MUTE BRD |
| DN8000-06 | Main Chassis Assembly | ACBLK-0016-1 | PF50/8-PF50/8 x 290mm | 1 | MAIN BRD TO LH BAR & SWITCH BRD |
| DN8000-06 | Main Chassis Assembly | ACBLK-0017-1 | HARNESS 17 | 1 | MAIN BRD TO RH BAR & SWITCH BRD |
| DN8000-06 | Main Chassis Assembly | ACBLK-0018-1 | PF50/12-PF50/12 x 82mm | 1 | MAIN BRD TO ADC BRD - POWER |
| DN8000-06 | Main Chassis Assembly | ACBLK-0019-1 | PF50/26-PF50/26 x 61mm | 1 | MAIN BRD TO ADC BRD - SIGNAL |
| DN8000-06 | Main Chassis Assembly | ACBLK-0021-1 | PF50/8-PF50/8 x 370mm | 1 | MAIN BRD TO OUTPUT POTS 1 & 2 |
| DN8000-06 | Main Chassis Assembly | ACBLK-0024-1 | TRANS/14-PF50/14 x 100mm | 1 | MAIN BRD TO LCD PANEL |
| DN8000-06 | Main Chassis Assembly | ACBLK-0025-1 | IEC - SWT - 3-POLE MOLEX | 1 | POWER INLET TO POWER SWITCH |
| DN8000-06 | Main Chassis Assembly | CON01-02SFC | 2WY 0.1" FML CON | 1 | |
| DN8000-06 | Main Chassis Assembly | FAS01-M2508TPZ | M2.5x8 REC PAN TRI/TAP | 14 | XLRS TO REAR PANEL |
| DN8000-06 | Main Chassis Assembly | FAS01-M2508TPZ | M2.5x8 REC PAN TRI/TAP | 4 | |
| DN8000-06 | Main Chassis Assembly | FAS01-M2512PPZ | M2.5x12mm PAN HEAD BZP | 4 | M2.5 X 6MM PAN HEAD SCREW 4 BZP INPUT BRD TO CHASSIS INTERFACE BRD TO CHASSIS |
| DN8000-06 | Main Chassis Assembly | FAS01-M3006CPB | M3 X 6 CSK POZI BLK | 2 | MAIN CHASSIS TO SUB CHASSIS BOTTOM FIXINGS |
| DN8000-06 | Main Chassis Assembly | FAS01-M3008PPZ | SCREW M3*6 P/HD BZP | 12 | POWER SWITCH BRD TO CHASSIS PSU TO CHASSIS MAIN BRD TO CHASSIS INTERFACE BRD TO CHASSIS |
| DN8000-06 | Main Chassis Assembly | FAS01-M3008PPZ | M3x8 P/POZI ZINC | 2 | MAIN BRD TO CHASSIS @ EMC1, EMC2, |
| DN8000-06 | Main Chassis Assembly | FAS01-M3012 | M3 X 12 TMP/PRF SYS ZERO | 1 | REAR PANEL EARTH BOND |
| DN8000-06 | Main Chassis Assembly | FAS01-M3025PPZ | M3x25 REC P/POZI ZINC | 4 | |
| DN8000-06 | Main Chassis Assembly | FAS02-M30 | M3 PCB CLINCH NUT | 4 | |
| DN8000-06 | Main Chassis Assembly | FAS02-M30NZ | M3 NYLOC | 1 | REAR PANEL EARTH BOND |

| Assembly Part Number | Assembly Description | Component Part Number | Part Desc. | Quantity | Text |
|----------------------|----------------------|-----------------------|--------------------------|----------|---|
| DN8000-04 | Front Board Assembly | POT9D-614B14BX | DC POT 10K LIN DET 6mm P | 1 | RV1 |
| DN8000-04 | Front Board Assembly | RES01-1E1R00 | 10R RES. MFILM 5% 0.4W | 1 | R14 |
| DN8000-04 | Front Board Assembly | RES01-1E2R20 | 22R RES MFILM 5% 0.4W | 1 | R15 |
| DN8000-04 | Front Board Assembly | RES01-3E7R50 | 7K5 RES.M.FILM 5% 0.4W | 1 | R3 |
| DN8000-04 | Front Board Assembly | RES01-3E8R20 | 8K2 RES.M.FILM 5% 0.4W | 2 | R1,R2 |
| DN8000-04 | Front Board Assembly | RES02-0E0R00 | 0 OHM LINK (LARGE) | 1 | LK1 |
| DN8000-04 | Front Board Assembly | SEM01-L934RED | 3MM RED HIGH INT | 5 | D68,D69,D70,D71,D72 |
| DN8000-04 | Front Board Assembly | SEM01-MV53124A | YEL 6 x 3.6mm RS 587 119 | 30 | D38,D39,D40,D41,D42,D43,D44, D45,D46,D47,D48,D49,D50,D51, D52,D53,D54,D55,D56,D57,D58, D59,D60,D61,D62,D63,D64,D65, D66,D67 |
| DN8000-04 | Front Board Assembly | SEM01-TLG124 | GREEN LED 3mm DOME HEAD | 16 | D7,D8,D9,D10,D11,D12,D28,D29, D30,D31,D32,D33,D34,D35,D36, D37 |
| DN8000-04 | Front Board Assembly | SEM01-TLSU124 | HI-EFFICIENCY RED 3mmLED | 7 | D1,D2,D13,D14,D15,D16,D17 |
| DN8000-04 | Front Board Assembly | SEM01-TLY124 | LED YEL 3mm DOME HEAD | 14 | D3,D4,D5,D6,D18,D19,D20,D21,D2 2,D23,D24,D25,D26,D27 |
| DN8000-04 | Front Board Assembly | SWT01-SUJ2MC | SUJ 2 POLE (MOM) | 5 | SW7,SW8,SW9,SW10,SW11 |
| DN8000-04 | Front Board Assembly | SWT03-2P06R | LATCHING PUSH SWITCH | 1 | SW12 |
| DN8000-04 | Front Board Assembly | SWT04-TP23MOV | TP2301 | 6 | SW1,SW2,SW3,SW4,SW5,SW6 |
| DN8000-05 | Sub-Chassis Assembly | DN8000-04 | Front Board Assembly | 1 | |
| DN8000-05 | Sub-Chassis Assembly | FAS01-M2506PPB | 2.5x6mm PAN BLK P/TEC | 2 | M2.5 X 6mm PAN HEAD SCREW LCD TO SUB CHASSIS |
| DN8000-05 | Sub-Chassis Assembly | FAS01-M3006PPZ | SCREW M3*6 P/HD BZP | 4 | LH & RH FRONT BRD TO SUB CHASSIS |
| DN8000-05 | Sub-Chassis Assembly | FAS01-M3016PPZ | M3*16 BZP M3*16 BZP | 1 | FRONT PANEL TO SUB CHASSIS GROUND LINK |
| DN8000-05 | Sub-Chassis Assembly | FAS01-M4008CPB | M4 X 8 POZI CSK BRT/NIKL | 4 | FRONT PANEL TO SUB CHASSIS |
| DN8000-05 | Sub-Chassis Assembly | FAS03-M30SZE | M3 EXTERNAL STAR WASHER | 5 | FRONT BRD TO SUB CHASSIS, SUB CHASSIS GROUND LINK |
| DN8000-05 | Sub-Chassis Assembly | FRN11-CAPBLKL | SIFAM 11MM CAP | 6 | |
| DN8000-05 | Sub-Chassis Assembly | FRN11-PD6BLKLN | SIFAM 11MM PUSH-ON KNOB | 5 | |
| DN8000-05 | Sub-Chassis Assembly | FRN11-PX6BLKLN | SIFAM 11MM PUSH-ON KNOB | 1 | |
| DN8000-05 | Sub-Chassis Assembly | FRN15-LI8BLKLN | SIFAM 15MM PUSH-ON KNOB | 1 | |
| DN8000-05 | Sub-Chassis Assembly | FRN39-348055 | LARGE ENC KNOB DYNACORD | 1 | |
| DN8000-05 | Sub-Chassis Assembly | FRN41-LREDMUTE | SIFAM PUSH BUTTON [MUTE] | 5 | FIX TO MUTE SWITCHES |
| DN8000-05 | Sub-Chassis Assembly | FRN58-2301BLK | TP2301 SWITCH CAP BLACK | 6 | |

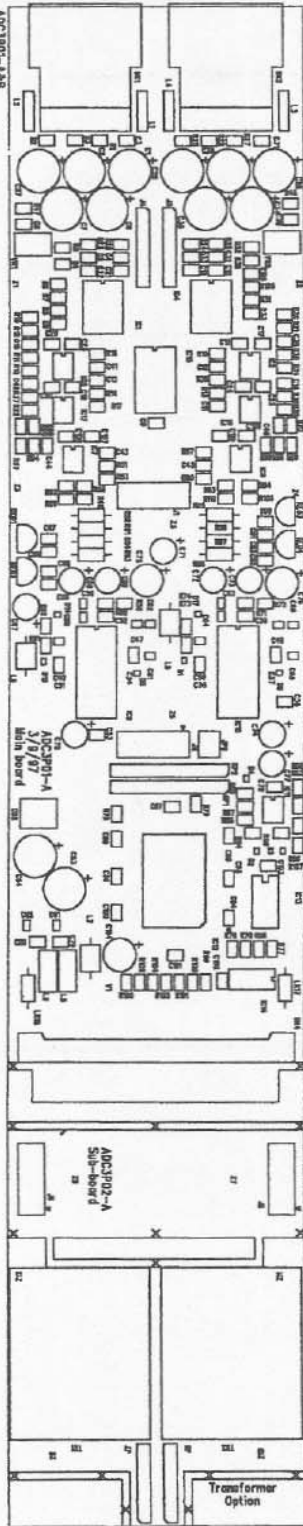
| Assembly Part Number | Assembly Description | Component Part Number | Part Desc | Quantity | Text |
|----------------------|--------------------------|-----------------------|--------------------------|----------|--|
| DN8000-02 | Main Board Assembly | SEM41-NE5532 | NE5532P | 8 | IC33,IC34,IC35,IC36,IC37,IC40,IC41,IC42, |
| DN8000-02 | Main Board Assembly | SEM44-00HC00 | 74HC00 HIGH SPEED LOGIC | 1 | IC6, |
| DN8000-02 | Main Board Assembly | SEM44-00HC14 | 74HC14 HIGH SPEED LOGIC | 1 | IC3, |
| DN8000-02 | Main Board Assembly | SEM44-00HC32 | 74HC32 HIGH SPEED LOGIC | 1 | IC15, |
| DN8000-02 | Main Board Assembly | SEM44-0HC138 | 74HC138 HIGH SPEED LOGIC | 1 | IC7, |
| DN8000-02 | Main Board Assembly | SEM46-MAX691 | MAX691CPE PSU SUPERVISOR | 1 | IC5, |
| DN8000-02 | Main Board Assembly | SEM46-MX485ECP | RS485 XCEIVER ESD | 1 | IC2, |
| DN8000-02 | Main Board Assembly | SEM46-PC16550C | 16C550 UART 44PIN PLCC | 1 | IC1, |
| DN8000-02 | Main Board Assembly | SEM46-SM5843AP | SM5843AP O/S FILTER | 3 | IC25,IC26,IC27, |
| DN8000-02 | Main Board Assembly | SEM47-4325685 | 32K X 8 CMOS RAM | 2 | IC16,IC17, |
| DN8000-02 | Main Board Assembly | SEM48-PCM1702P | PCM1702P D/A CONVERT | 5 | IC28,IC29,IC30,IC31,IC32, |
| DN8000-02 | Main Board Assembly | SEM81-KTR019 | KTR019 BAL O/P HYBRID | 5 | HY1,HY2,HY3,HY4,HY5, |
| DN8000-02 | Main Board Assembly | SEM91-MOD12M28 | CRYSTAL OSC MOD12.288MHz | 1 | XTAL2 |
| DN8000-02 | Main Board Assembly | SEM91-XTAL40K0 | 40KHZ WATCH XTAL 8x3mm | 1 | XTAL1, |
| DN8000-02 | Main Board Assembly | SWT54-2P005V | SPDT SIDE SLIDE SWITCH | 1 | SW1 |
| DN8000-02 | Main Board Assembly | TMR21-BEADLINK | FERRITE BEADLINK | 13 | L10,L11,L12,L15, L1,L2,L3,L4,L5,L6,L7,L8,L9 |
| DN8000-02 | Main Board Assembly | TMR23-55Y5S102 | 1n Noise Suppressor Cap | 10 | FL8,FL9,FL10, FL1,FL2,FL3,FL4,FL5,FL6,FL7 |
| DN8000-02 | Main Board Assembly | TMR31-056U050A | INDUCTOR 56UH 50V | 2 | L13,L14 |
| DN8000-03 | Front Board SMT Assembly | PCK800-8000A-3 | DN8000 FRONT PCB | 1 | PCB |
| DN8000-03 | Front Board SMT Assembly | SEM51-MAX7219 | SMD LED DRIVER | 3 | IC1,IC2,IC3 |
| DN8000-04 | Front Board Assembly | A3-XC024 | EC11 ENCODER | 1 | EN1 |
| DN8000-04 | Front Board Assembly | CAP01-GK610100 | 100N CERAMIC 0.1" | 2 | C13,C14 |
| DN8000-04 | Front Board Assembly | CAP12-J247100 | 47N POLYESTER CAP 0.2" | 1 | C8, |
| DN8000-04 | Front Board Assembly | CAP12-J310100 | 100N POLYESTER CAP 0.2" | 4 | C4,C5,C6,C7 |
| DN8000-04 | Front Board Assembly | CAP42-210050LP | 10UF 50V LPRAD.ELEC.CAP | 3 | C1,C2,C3 |
| DN8000-04 | Front Board Assembly | CON02-03SMVL | 3WY 0.156" LKG ML HDR | 1 | ***** REMOVE MIDDLE PIN *****J2 |
| DN8000-04 | Front Board Assembly | CON12-08MC | 0.05" 8WY RIB. CBL.CON | 3 | SK1,SK2,SK3, |
| DN8000-04 | Front Board Assembly | CON12-12MV | 12x0.050"PICOFLEX HEADER | 2 | SK6,SK9 |
| DN8000-04 | Front Board Assembly | CON12-16MV | 16x0.050"PICOFLEX HEADER | 1 | SK7 |
| DN8000-04 | Front Board Assembly | CON12-26MV | 26x0.050"PICOFLEX HEADER | 1 | SK10 |
| DN8000-04 | Front Board Assembly | CON21-48CMPR | 48 WAY r/a DIN41612 HDR | 1 | SK8 |
| DN8000-04 | Front Board Assembly | CON84-TERM11 | SMALL VERO PIN | 2 | +BL1,BL2 |
| DN8000-04 | Front Board Assembly | HWR11-LED3MM08 | 8mm LED SPACER | 37 | FIT TO D1 TO D37, |
| DN8000-04 | Front Board Assembly | POT91-614B01DS | POT 10K LIN DET PUSH 6mm | 5 | RV2,RV3,RV4,RV5,RV6 |

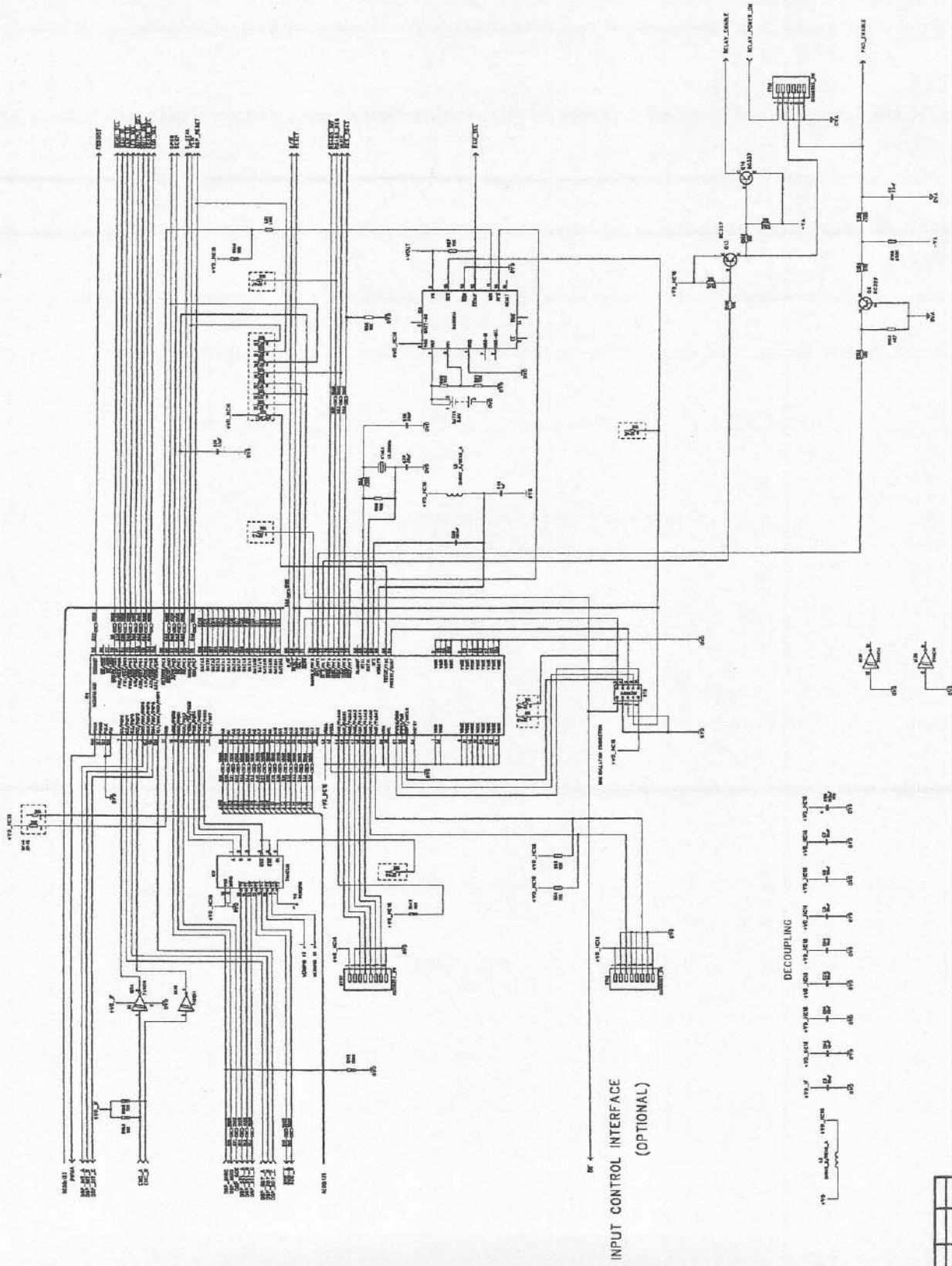
| Assembly Part Number | Assembly Description | Component Part Number | Part Desc | Quantity | Text |
|----------------------|----------------------|-----------------------|-------------------------|----------|--|
| JN8000-02 | Main Board Assembly | RES01-2E4R70 | 470R RES.M.FILM 5% 0.4W | 1 | R82 |
| JN8000-02 | Main Board Assembly | RES01-3E1R00 | 1K RES.M.FILM 5% 0.4W | 9 | R135,R136,R137,R138,R139, R62,R63,R64,R86 |
| JN8000-02 | Main Board Assembly | RES01-3E1R50 | 1K5 RES.M.FILM 5% 0.4W | 1 | R9 |
| JN8000-02 | Main Board Assembly | RES01-3E2R20 | 2K2 RES.M.FILM 5% 0.4W | 1 | R17 |
| JN8000-02 | Main Board Assembly | RES01-3E3R00 | 3K RES.M.FILM 5% 0.4W | 5 | R130,R131,R132,R133,R134 |
| JN8000-02 | Main Board Assembly | RES01-3E4R70 | 4K7 RES.M.FILM 5% 0.4W | 3 | R7,R128,R153 |
| JN8000-02 | Main Board Assembly | RES01-4E1R00 | 10K RES.M.FILM 5% 0.4W | 15 | R114,R127,R144,R145,R146,R147, R148,R149,R150,R151,R8,R56,R57 R65,R91 |
| JN8000-02 | Main Board Assembly | RES01-4E1R10 | 11K RES.M.FILM 5% 0.4W | 1 | R83 |
| JN8000-02 | Main Board Assembly | RES01-4E1R50 | 15K RES.M.FILM 5% 0.4W | 1 | R152 |
| JN8000-02 | Main Board Assembly | RES01-4E2R20 | 22K RES.M.FILM 5% 0.4W | 1 | R18 |
| JN8000-02 | Main Board Assembly | RES01-4E2R70 | 27K RES.M.FILM 5% 0.4W | 1 | R154 |
| JN8000-02 | Main Board Assembly | RES01-5E1R00 | 100K RES.M.FILM 5% 0.4W | 13 | R115,R116,R117,R118,R119,R120, R121,R122,R123,R124,R2,R3,R112 |
| JN8000-02 | Main Board Assembly | RES01-5E4R70 | 470K RES.M.FILM 5% 0.4W | 1 | R156 |
| JN8000-02 | Main Board Assembly | RES01-5E8R20 | 820K RES.M.FILM 5% 0.4W | 1 | R155 |
| JN8000-02 | Main Board Assembly | RES01-7E1R00 | 10M RES.M.FILM 5% 0.4W | 2 | R60,R61 |
| JN8000-02 | Main Board Assembly | RES02-0E0R00 | 0 OHM LINK (LARGE) | 20 | LK8,LK9,LK10,LK11,LK12,LK13, LK17,LK18,LK19,LK20,LK21,LK1,L K2,LK3,LK4,LK5,LK6,LK7 R4,R5 |
| JN8000-02 | Main Board Assembly | RES02-3E2R74 | 2K74 RES M.FILM 1% 0.4W | 15 | R97,R98,R99,R100,R101,R102,R10 3,R104,R105,R106,R107,R108,R10 9,R110,R111, |
| JN8000-02 | Main Board Assembly | RES02-3E9R53 | 9K53 RES.M.FILM 1% 0.5W | 1 | R84 |
| JN8000-02 | Main Board Assembly | RES02-4E1R10 | 11K RES.M.FILM 1% 0.5W | 5 | R92,R93,R94,R95,R96 |
| JN8000-02 | Main Board Assembly | RES22-98C510 | 8 X 10K 9 PIN SIL | 9 | RP8,RP9,RP10,RP1,RP3,RP4,RP5, RP6,RP7 |
| JN8000-02 | Main Board Assembly | SEM11-1N4002 | 1N4002 TAPED/REEL | 1 | D4 |
| JN8000-02 | Main Board Assembly | SEM11-1N4148 | 1N4148 TAPED/REEL | 2 | D9,D10 |
| JN8000-02 | Main Board Assembly | SEM12-ZX55V150 | 15V ZENER 500MW | 1 | ZD1 |
| JN8000-02 | Main Board Assembly | SEM23-ICL7660 | ICL7660 NEG V CONVERTOR | 1 | IC38, |
| JN8000-02 | Main Board Assembly | SEM31-BC184 | BC184/BC384 | 4 | Q7,Q1,Q2,Q3 |
| JN8000-02 | Main Board Assembly | SEM31-BC327 | BC327 TRANSISTOR T092 | 4 | Q5,Q6,Q13,Q4 |
| JN8000-02 | Main Board Assembly | SEM31-BC337 | BC337 TRANSISTOR | 1 | Q14, |

Sheet1

| Assembly Part Number | Assembly Description | Component Part Number | Part Desc | Quantity | Text |
|----------------------|----------------------|-----------------------|--------------------------|----------|---|
| DN8000-02 | Main Board Assembly | CAP02-SK547100 | 47N CERAMIC CAP 0.2" | 17 | C72,C74,C76,C133,C134,C135, C136,C137,C138, C4,C58,C60,C62,C64,C66,C68,C70 |
| DN8000-02 | Main Board Assembly | CAP02-UG310100 | 100PF CERAMIC CAP 0.2" | 5 | C113,C114,C115,C116,C117 |
| DN8000-02 | Main Board Assembly | CAP02-UG333100 | 330PF CERAMIC CAP 0.2" | 5 | C128,C129,C130,C131,C132 |
| DN8000-02 | Main Board Assembly | CAP12-J122100 | 2N2 POLYESTER CAP 0.2" | 5 | C118,C119,C120,C121,C122 |
| DN8000-02 | Main Board Assembly | CAP12-J156100 | 5N6 POLYESTER CAP | 5 | C123,C124,C125,C126,C127 |
| DN8000-02 | Main Board Assembly | CAP12-J210100 | 10N POLYESTER CAP | 1 | C35 |
| DN8000-02 | Main Board Assembly | CAP12-J222100 | 22N POLYESTER CAP 0.2" | 3 | C9,C44,C45 |
| DN8000-02 | Main Board Assembly | CAP12-J310100 | 100N POLYESTER CAP 0.2" | 1 | C39 |
| DN8000-02 | Main Board Assembly | CAP12-J322100 | 220N POLYESTER CAP 0.2" | 2 | C53,C54 |
| DN8000-02 | Main Board Assembly | CAP12-J410100 | 1U POLYESTER CAP 0.2" 5% | 2 | C40,C57 |
| DN8000-02 | Main Board Assembly | CAP42-210016 | 10U16V ELEC.RAD.CAP 0.1" | 3 | C46,C47,C48 |
| DN8000-02 | Main Board Assembly | CAP42-247025 | 47U 25V RAD.ELEC.CAP | 1 | C8 |
| DN8000-02 | Main Board Assembly | CAP42-310016 | 100U16V ELEC.RAD.CAP0.1" | 23 | C50,C78,C79,C80,C81,C82,C83, C84,C85,C86,C87,C88,C89,C90, C91,C92,C28,C29,C30,C31,C32, C33,C34 |
| DN8000-02 | Main Board Assembly | CAP42-322025 | 220UF 25V RAD.ELEC.CAP | 3 | C49,C55,C56 |
| DN8000-02 | Main Board Assembly | CON02-03SMVL | 3WY 0.156" LKG ML HDR | 2 | ST25,ST26 |
| DN8000-02 | Main Board Assembly | CON12-08MC | 0.05" 8WY RIB. CBL.CON | 3 | ST27,ST15,ST13 |
| DN8000-02 | Main Board Assembly | CON12-12MV | 12x0.050"PICOFLEX HEADER | 2 | ST19,ST20 |
| DN8000-02 | Main Board Assembly | CON12-14MV | 14x0.050"PICOFLEX HEADER | 1 | ST21 |
| DN8000-02 | Main Board Assembly | CON12-16MV | 16x0.050"PICOFLEX HEADER | 1 | ST22 |
| DN8000-02 | Main Board Assembly | CON12-26MV | 26x0.050"PICOFLEX HEADER | 1 | ST45 |
| DN8000-02 | Main Board Assembly | CON31-3FBHI | NC3 FBH1 XLR | 1 | ST1 |
| DN8000-02 | Main Board Assembly | CON31-3MBH3L1 | NC3 MBH3L1 XLR | 6 | ST2,ST3,ST4,ST5,ST6,ST7 |
| DN8000-02 | Main Board Assembly | CON52-08P310 | 8 PIN DIL IC SOCKET | 2 | IC2S,IC13S |
| DN8000-02 | Main Board Assembly | CON52-32P610 | 32 PIN DIL IC SOCKET | 2 | IC18S,IC19S, |
| DN8000-02 | Main Board Assembly | CON55-44DIL | PLCC SOCKET 44 PIN | 1 | IC1S |
| DN8000-02 | Main Board Assembly | E5-R2204 | RELAY 2P2W 12V DN728 OPT | 5 | RL1,RL2,RL3,RL4,RL5 |
| DN8000-02 | Main Board Assembly | MWK-GENM01-3 | XLR SHEILDING BRACKET | 3 | FIT TO ST4 & ST5,ST6 & ST7,ST1 & ST2 |
| DN8000-02 | Main Board Assembly | MWX-GENM03-1 | XLR SHIELD BRKT (SINGLE) | 1 | FIT TO ST3 |
| DN8000-02 | Main Board Assembly | RES01-1E8R20 | 82R RES. MFILM 5% 0.4W | 2 | R113,R129 |
| DN8000-02 | Main Board Assembly | RES01-2E1R00 | 100R RES. M FILM 5% 0.4W | 1 | R85 |
| DN8000-02 | Main Board Assembly | RES01-2E1R20 | 120R RES. MFILM 5% 0.4W | 1 | R1, |

ARC2102-AAB
10/9/97
Component Side Legend

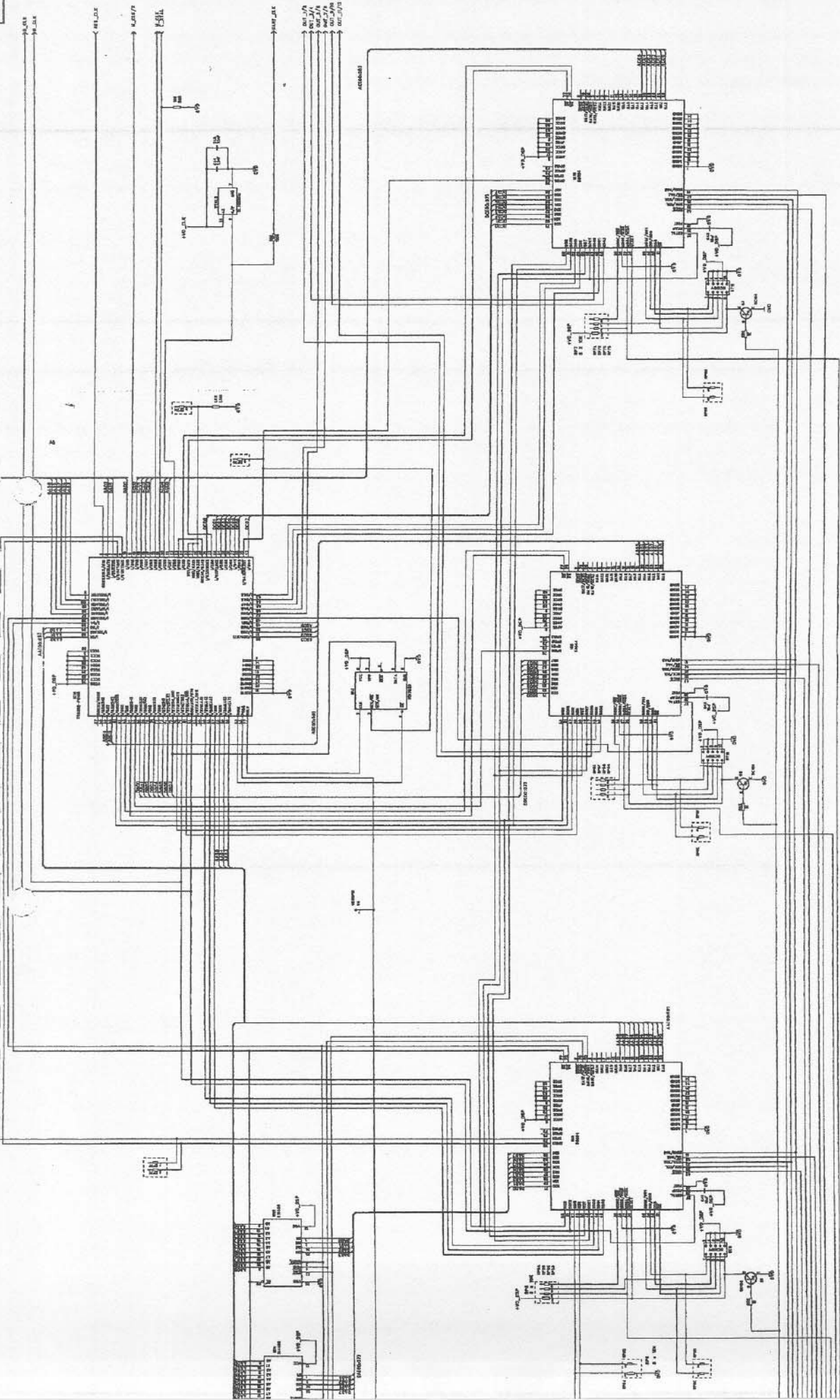




KLARK TEKNIK PLC.

| | | | |
|--------------------------------------|---------------|----------------|----------------|
| UNIT: DN8000 | DRAWN: A.D.W. | DATE: 27/05/97 | SHEET: 2 of 8 |
| TITLE: 68HC16 HOST PROCESSOR CIRCUIT | CHECKED: | SHEET 1 of 3 | DRG No. 8000b3 |
| BOARD No. 8000b | BOARD 1 of 3 | | |

| | | | |
|-----|------|------|----|
| NO. | REV. | DATE | BY |
| | | | |
| | | | |
| | | | |
| | | | |



DECOUPLING



| | | | |
|--------------------|----------------|-------------------|--|
| UNIT: DMB000 | DATE: 27/05/97 | KLARK TEKNIK PLC. | |
| TITLE: DSP CIRCUIT | DRAWN: A.D.W. | SHEET: 3 of 8 | |
| BOARD No. 8000b | CHECKED: | DWG No. 8000b3 | |
| BOARD Iss. 3 | SHEET Iss. 3 | | |

ADDITIONAL OUTPUT BOARD
CLOCK, DATA & CONTROL LINES
DIGITAL POWER RAILS

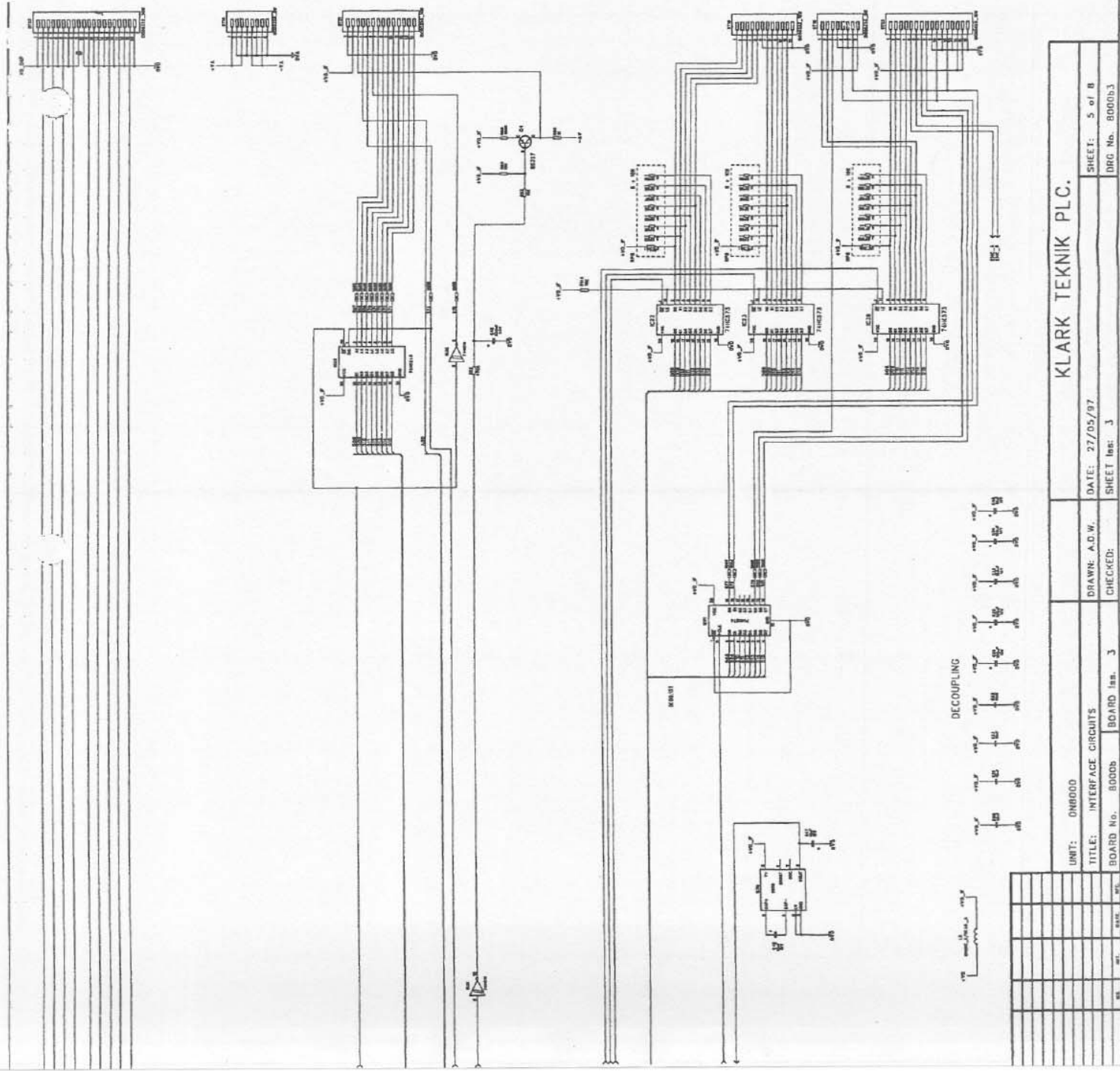
ADDITIONAL OUTPUT BOARD
ANALOGUE POWER RAILS

LCD INTERFACE

OUTPUT SELECT & MUTE
SWITCH INTERFACE

LEFT HAND FRONT PANEL PCB INTERFACE

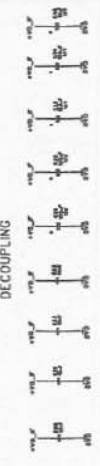
RIGHT HAND FRONT PANEL PCB INTERFACE



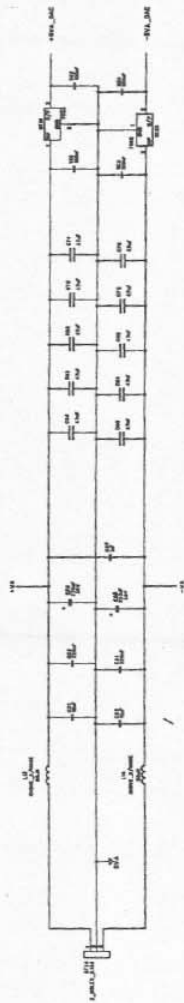
KLARK TEKNIK PLC.

| | | |
|---------------------------|----------------|-----------------|
| UNIT: 0N8000 | DATE: 27/05/97 | SHEET: 5 of 8 |
| TITLE: INTERFACE CIRCUITS | DRAWN: A.D.W. | DRG No. 8000b.3 |
| BOARD No. 8000b | CHECKED: | |
| BOARD Iss. 3 | SHEET Iss. 3 | |

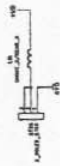
DECOUPLING



ANALOGUE POWER SUPPLY

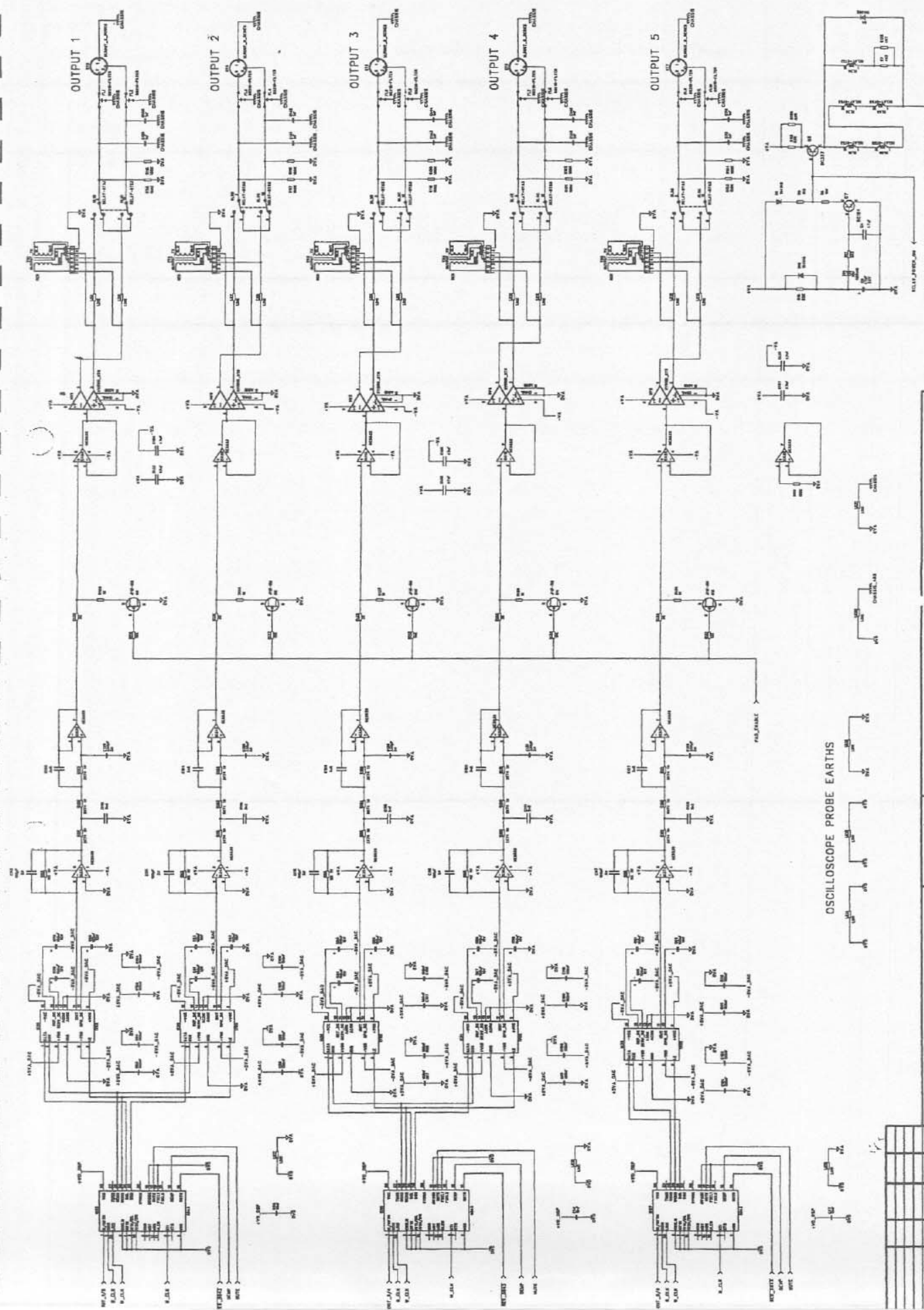


DIGITAL POWER SUPPLY



| | | |
|-----------------------|----------------|---------------------|
| UNIT: DNR000 | DATE: 27/02/97 | SHEET: 7 of 8 |
| TITLE: POWER SUPPLIES | DRAWN: A.D.W. | DESIGNER: B.C.000b3 |
| BOARD No. 8000b | CHECKED: | DRG No. B.C.000b3 |
| BOARD Iss. 3 | SHEET Iss. 3 | |

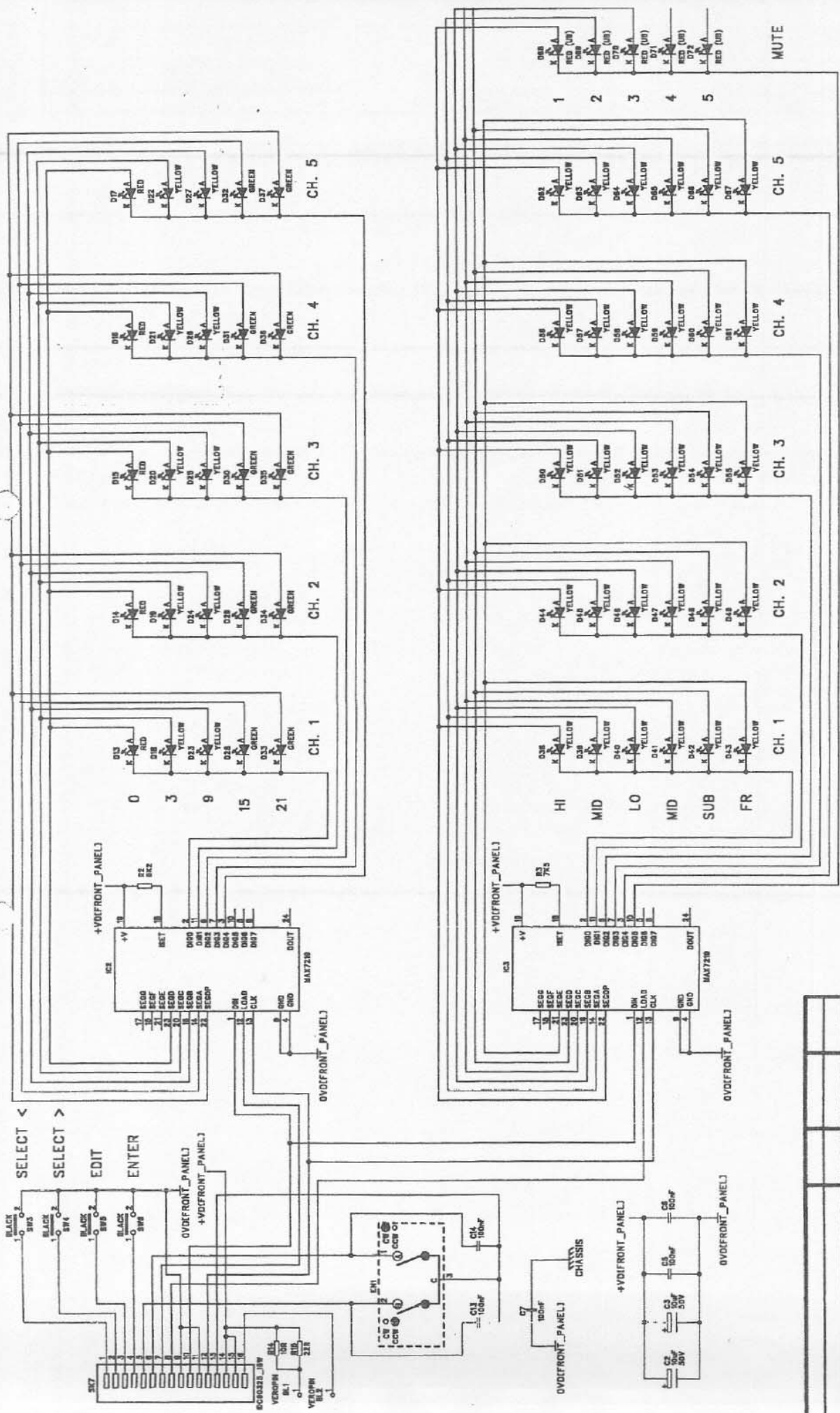
KLARK TEKNIK PLC.



KLARK TEKNIK PLC.

| | | | |
|----------------------------|---------------|----------------|----------------|
| UNIT: DNB000 | DRAWN: A.D.W. | DATE: 27/05/97 | SHEET: B of 8 |
| TITLE: OUTPUT CHANNELS 1-5 | CHECKED: | SHEET Iss: 3 | DRG No. 8000b3 |
| BOARD No. 8000b | BOARD Iss. 3 | | |

| | | | |
|------|------|----|-------|
| REV. | DATE | BY | CHKD. |
| | | | |
| | | | |
| | | | |



| | |
|----------------------------------|-----------------|
| UNIT: 8N8000 | KLARK TEKNIK |
| TITLE: FRONT PANEL - RIGHT BOARD | DRAWN: A.D.W. |
| BOARD No. 8000A BOARD Iss. 4 | CHECKED: |
| DATE: 21/05/97 | DATE: 14/08/97 |
| ISS. 3 | SHEET Iss: 4 |
| INT. A.D.W. | SHEET: 2 OF 4 |
| AMENDMENTS | DRG No. 8000A 2 |

Correction to encoder connections

