



The RMX 16

Service Manual

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Sicherheitsvorschriften



Vorsicht



ÖFFNEN SIE BITTE NIEMALS DAS GERÄT. SIE KÖNNEN EINEN ELEKTRISCHEN SCHLAG BEKOMMEN, ES BEFINDEN SICH KEINE VOM BENUTZER AUS-TAUSCHBAREN TEILE IM GEHÄUSE. ÜBERLASSEN SIE REPARATUREN BITTE DEM FACHPERSONAL.

- Nur entsprechend ausgebildete Personen dürfen diese Anlage warten.
- Im Gehäuse sind keine vom Benutzer/ Bediener austauschbaren Teile plaziert.
- Bitte beachten Sie alle Sicherheits- und Informationsaufschriften.
- Das Gerät muss unbedingt vom Netz getrennt werden, bevor mit Wartungsarbeiten begonnen werden kann.
- Versichern Sie sich, das die Netzsteckdosen der Räumlichkeiten einwandfrei identifizierbar sind.
- Alle Anschlüsse müssen in Übereinstimmung mit den jeweiligen Vorschriften ausgeführt sein.

Erklärung der Symbole



Der Blitz im gelben gleichseitigen Dreieck signalisiert, daß sich im Gerät Teile befinden, die unter Spannung stehen und daß diese Spannung hoch genug ist um Menschen einen elektrischen Schlag zu versetzen und diese damit zu verletzen.



Das Ausrufezeichen im gelben gleichseitigen Dreieck soll den Benutzer/ Bediener auf die an dieses Zeichen geknüpfte Betriebs- oder Wartungsanleitung aufmerksam machen, die diesem Produkt beigelegt sind.

Erdung, Netzzanschlüsse und Sicherungskennwerte.

Dieses Gerät muss GEERDET sein.

Eine Erdung muss mit einer passenden Verbindung zu einem kontrollierten Erdungsanschluss vorgenommen werden. Ohne korrekte Erdung kann das Gerät eine potentielle Gefahr für einen elektrischen Schlag darstellen.

Zusätzlich zu der Erdung ist es äußerst wichtig, daß die separaten Erdungsanschlüsse an diesem Gerät, wo vorhanden, mitbenutzt werden.

Informationen über den Betriebsnennstrom und die Betriebsnennspannung dieses Gerätes finden Sie auf dem Schild neben dem Netzkabeleingang. Sicherungen sollten immer nur mit Sicherungen gleicher Kennwerte, die Sie auch auf oben angesprochenen Schild vorfinden, ersetzt werden.

Für weitere Details beachten Sie bitte die Installationsvorschriften für dieses Produkt.

Die Anschlüsse des Systems

Alle Anschlüsse des Systems dieses Gerätes entsprechen den SELV Grenzen die in der EN60950 definiert sind.

Umgebungsspezifikationen

Temperaturbereich:

Betriebstemperaturbereich von 0°C bis zu +30°C, in unmittelbarer Umgebung.
Lagerungstemperaturbereich von -20°C bis zu +60°C.

Relative Luftfeuchtigkeit:

Im Betrieb von 25% bis zu 80% nicht kondensiert.

Außer Betrieb von 0% bis zu 90% nicht kondensiert.

Sollte sich während des Transportes Kondensfeuchtigkeit im Gerät angesammelt haben, ist es äußerst wichtig, daß sich das Gerät der Umgebungstemperatur angepasst hat, damit sich die Kondensfeuchtigkeit verflüchtigen kann, bevor das Gerät an das Netz angeschlossen wird.

Betriebs- und Lagerungsbeständigkeit in Höhenlagen:

Betriebsbereit bis zu einer Höhe von 2.000 Metern über NN.

Lagerung (außer Betrieb) bis zu einer Höhe von 15.000 Metern über NN.

Versichern Sie sich, daß das Gerät in einem Rack oder auf festem Untergrund ausreichend befestigt ist, bevor Sie es in Betrieb nehmen. Für Geräte über 3 HE wird eine zusätzliche Unterstützung im Rack empfohlen.

Betreiben Sie das Gerät nur in einer sauberen, trockenen und Schadstoff-freien Umgebung.

Sie dürfen das Gerät unter keinen Umständen in explosionsgefährlichen Umgebungen betreiben.

Achten Sie immer darauf, daß Flüssigkeiten oder feste Gegenstände nicht in das Gerät eindringen können. Sollte dies trotzdem passieren, sorgen Sie bitte dafür, daß das Gerät augenblicklich abgeschaltet wird und benachrichtigen Sie den zuständigen Wartungsfachmann.

Ventilation

Versichern Sie sich, daß genug Platz um das Gerät herum ist um eine ausreichende Ventilation und Kühlung zu sichern. Eine ausreichende Ventilation wird die Lebenszeit des Gerätes verlängern und die Zuverlässigkeit erhöhen.

In Höhenlagen muss unter Umständen die Ventilation erhöht werden.

Achten Sie darauf, daß Lüftungsschlitzte niemals verstopft sind.

Kontrollieren Sie regelmäßig die Luftfilter und wenn nötig tauschen Sie diese aus.

Verlassen Sie das Gerät nicht mit angebrachter Staubkappe (wo vorhanden) im Betrieb.

Kühlmethoden:

An Bauelementen die mittels Konvektionskühlung gekühlt werden (z.B. an der Konsole ohne Luftfilter), müssen Sie dafür Sorge tragen, daß der Luftstrom ungehindert fließen kann. Dies erreichen Sie durch eine Öffnung von mindesten 75 mm um das gesamte Gerät herum. Sollten Sie hierüber im Zweifel sein, bitten wir Sie, die AMS Neve Kundenbetreuung zu konsultieren.

Im Rack montierte Geräte benutzen Ventilatoren mit Luftfiltern zur Kühlung.

Reinigung

Für die Reinigung der Vorderseite des Gerätes empfehlen wir ein antistatisches Reinigungsmittel das mit einem weichen, sauberen Lappen aufgetragen wird.

Warnung



Eine länger andauernde Belastung durch hohe Schalldruckpegel kann Ihrem Gehör permanenten Schaden zufügen.

Health and Safety Warnings



Caution



TO REDUCE THE RISK OF ELECTRIC SHOCK DO NOT REMOVE COVER OR BACK.
NO USER SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED PERSONNEL.

- Only suitably trained personnel should service this equipment.
- There are no user serviceable parts enclosed.
- Please read and take note of all warning and informative labels.
- This equipment must be isolated from the mains by removing the incoming IEC mains connector before starting any servicing operation.
- Ensure that mains outlet sockets of the facility are easily identifiable.
- All installation wiring must comply with your national wiring regulations.

Explanation of Warning Symbols



The lightning flash with arrow head symbol within an equilateral triangle is intended to alert the user to the presence of dangerous voltages and energy levels within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock or injury.



The exclamation mark within an equilateral triangle is intended to prompt the user to refer to important operating or maintenance (servicing) instructions in the documentation supplied with the product.

Earthing, Power Supplies and Fuse Ratings

This equipment must be EARTHED.

Connection should only be made via a suitable connector where the earth ground has been verified. If the ground connection is not present the whole of the equipment could present a potential electric shock hazard.

In addition to the power cord earth, it is essential to use the separate earth terminal on the equipment where provided.

Information on the mains current and voltages ratings for this equipment is located on the mains rating plate near the IEC mains inlet. Fuses should only be replaced with ones of the same type and rating as that indicated on the ratings plate.

Refer to the product's installation manual for further details.

System Interconnections

All system interconnections to this equipment fall within the SELV limits as defined by EN60950.

Environmental Considerations

Temperature Range:

Operating 0°C to +30°C, in the immediate environment

Non-operating -20°C to +60°C.

Relative humidity:

Operating 25% to 80% non condensing.

Non-operating 0% to 90% non condensing.

Should condensation have occurred during shipping it is essential that the units are given time to adjust to the ambient temperature to allow the condensation to dissipate before power is applied.

Altitude:

Operating Up to 2,000 metres

Non-operating 15,000 metres.

Ensure that the equipment is securely mounted in a rack or on a secure level surface before operating. Additional supports are recommended for rack mounted equipment over 3U high.

Operate only in a clean, dry and pollutant-free environment.

Do not operate in an explosive atmosphere.

Do not allow any liquid or solid objects to enter the equipment. Should this accidentally occur then immediately switch off the unit and contact your service agent.

Cooling

Ensure adequate space for cooling is provided - this will also enhance the life and reliability of the equipment.

At higher altitudes cooling may have to be increased.

Do not allow ventilation slots to be blocked.

Regularly inspect, and if necessary, clean air filters on the rack units.

Do not leave the equipment powered up with the dust cover fitted (where provided).

Cooling methods:

Where convection cooling is used (for example the console with no air filters) ensure free air flow by allowing a gap of at least 75mm all around the equipment. If in doubt contact AMS Neve Customer Support Department for advice.

The rack mounted equipment uses forced air cooling with air filters.

Cleaning

For cleaning the front panels of the equipment we recommend anti-static screen cleaner sprayed onto a soft cloth to dampen it only.

Warning

Exposure to high sound pressure levels for extended periods of time can permanently damage your hearing.



Avertissements de Santé et de Sécurité



Attention



POUR REDUIRE LES RISQUES DE DECHARGE ELECTRIQUE, NE PAS ENLEVER LE COUVERCLE OU LE DOS. NE CONTIENT PAS DE PIECES SUSCEPTIBLES D'ETRE REVISEES PAR L'UTILISATEUR. FAIRE REVISER PAR DU PERSONNEL QUALIFIE.

ATTENTION
RISQUE DE DECHARGE ELECTRIQUE
NE PAS OUVRIR

- Matériel à faire réviser uniquement par du personnel qualifié.
- Ne contient aucune pièce susceptible d'être révisées par l'utilisateur.
- Veuillez lire et prendre bonne note de toutes les étiquettes d'avertissement et d'information.
- Avant d'entreprendre toute opération d'entretien, ce matériel doit être débranché du secteur en enlevant la prise d'alimentation principale IEC.
- Assurez-vous que les prises de secteur de la pièce soient facilement identifiables.
- Toutes les installations électriques doivent être conformes au règlement des installations électriques du pays.

Explication des Symboles d'Avertissement



Le symbole de l'éclair avec une pointe de flèche à l'intérieur d'un triangle équilatéral est destiné à alerter l'utilisateur sur la présence de hautes tensions dangereuses à l'intérieur de l'enceinte du produit, d'une magnitude suffisante pour constituer un risque de décharge électrique ou de blessure corporelle.



Le point d'exclamation à l'intérieur d'un triangle équilatéral est destiné à inciter l'utilisateur à consulter les instructions importantes de fonctionnement ou d'entretien (révision) contenues dans la documentation fournie avec le produit.

Prise de Terre, Alimentation en Courant et Capacités de Fusible

Ce matériel doit être mis à la TERRE.

La connexion doit s'effectuer uniquement par une prise convenable à un endroit où la dérivation à la terre a été vérifiée. S'il n'y a pas de prise de terre, tout le matériel pourrait présenter un danger de décharge électrique potentiel.

En plus du cordon de prise de terre, il est indispensable d'utiliser la borne de terre séparée sur le matériel lorsque celui-ci en est pourvu.

Les informations concernant les données de courant et de tensions de réseau du matériel se trouvent sur la plaque de marque de réseau près de la prise de réseau IEC.

Les fusibles ne doivent être remplacés que par des fusibles du même type et des mêmes capacités que celles indiquées sur la plaque de marque.

Consulter le manuel d'installation du produit pour des détails supplémentaires.

Interconnexions du Système

Toutes les interconnexions de système du matériel se situent à l'intérieur des limites SELV ainsi que défini par EN60950.

Considérations d'Environnement

Ecarts de Température :

Opérationnel entre 0°C et +30°C, dans l'environnement immédiat

Non-opérationnel à -20C et à +60°C.

Humidité relative :

Opérationnel entre 25% et 80% sans condensation.

Non-opérationnel à 0% et à 90% sans condensation.

Si une condensation s'est produite pendant le transport il est indispensable de laisser aux unités le temps de s'adapter à la température ambiante pour permettre à la condensation de se dissiper avant de mettre sous tension.

Altitude :

Opérationnel Jusqu'à 2.000 mètres

Non-opérationnel A 15.000 mètres.

S'assurer que le matériel soit solidement monté sur un châssis ou sur une surface plane solide avant de le mettre en marche. Des supports supplémentaires sont recommandés pour du matériel excédant la hauteur de 3U monté sur châssis.

Ne faire marcher que dans un environnement propre, sec et non pollué.

Ne pas faire marcher dans une atmosphère explosive.

Ne laisser aucun liquide ou objet solide entrer dans le matériel. Si cela devait se produire par accident, éteindre immédiatement l'unité et contacter votre service après-vente.

Refroidissement

S'assurer qu'il y ait un espace suffisant pour le refroidissement - ceci contribuera également à prolonger la vie et la fiabilité du matériel.

A des altitudes élevées il peut s'avérer nécessaire d'augmenter le refroidissement.

Eviter de boucher les bouches d'aération.

Examiner régulièrement et, si nécessaire, nettoyer les filtres à air sur les unités de châssis.

Ne pas laisser le matériel sous tension lorsque la housse de protection est dessus (si cette dernière est fournie).

Méthodes de refroidissement :

Lorsque le refroidissement à convection est utilisé (par exemple le console sans filtres à air), s'assurer que l'air circule librement en laissant un espace d'au moins 75mm tout autour du matériel. En cas de doute, veuillez contacter AMS Neve Customer Support Department (Département de Service Après-Vente) pour conseil.

Le matériel monté sur châssis utilise le refroidissement par air forcé avec des filtres à air.

Nettoyage

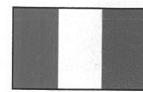
Pour nettoyer les panneaux de devant nous préconisons un chiffon doux légèrement humidifié par du nettoyant d'écran antistatique.

Avertissement



L'exposition à des niveaux élevés de pression de son pendant des périodes prolongées peut abîmer votre ouïe de façon permanente.

Avvertimenti sulla sicurezza



Attenzione



PER RIDURRE IL RISCHIO DI SCOSSA ELETTRICA NON TOGLIERE I COPERCHI ANTERIORE E POSTERIORE. PARTI DI SERVIZIO PER GLI UTENTI NON SONO INCLUSE. IL SERVIZIO DEVE SEMPRE ESSERE ESEGUITO DA PERSONALE SPECIALIZZATO.

- Solo il personale con adeguate istruzioni può riparare quest' apparecchiatura.
- Parti di servizio per l'utente non sono incluse.
- Si prega di leggere e di prendere nota di tutte le etichette informative e di avvertimento.
- Prima di iniziare un servizio di manutenzione, quest' apparecchiatura deve essere isolata dalla rete di alimentazione togliendo il connettore di presa IEC.
- Assicurarsi che gli zoccoli di presa della rete d' alimentazione del sistema siano facilmente identificabili.
- Tutto il cablaggio dell' installazione deve rispettare le normative nazionali.

Spiegazione dei simboli di pericolo



Il simbolo con il lampo e la freccia nel triangolo equilatero è designato ad avvertire l' utente della presenza di livelli di tensione e di corrente pericolosi all' interno del sistema di chiusura del prodotto. Questi livelli possono essere di una grandezza sufficiente a costituire un rischio di scossa elettrica o un danno.

Il punto esclamativo dentro il triangolo equilatero è designato a sollecitare l' utente a fare riferimento alle istruzioni operative o di manutenzione (servizio) nella documentazione fornita con il prodotto.

Messa a terra, alimentazione e la taratura dei fusibili

Quest' apparecchiatura deve essere MESSA A TERRA.

Il collegamento deve esclusivamente avvenire attraverso un adeguato connettore, dopo che la messa a terra è stata controllata. Se il collegamento di messa a terra non è presente in tutta l'apparecchiatura, l'apparecchiatura può presentare un eventuale rischio di scossa elettrica.

Oltre al conduttore d' alimentazione a terra, è molto importante usare il terminale di terra separato, se questo è stato fornito con l'apparecchiatura.

Le informazioni concernenti la rete d' alimentazione e le tarature dei fusibili di questa apparecchiatura sono fissate sulla placca informativa della rete d'alimentazione vicino al connettore IEC di entrata della rete.

La sostituzione dei fusibili deve essere eseguita solo con fusibili dello stesso tipo e della stessa taratura di quelli indicati sulla placca informativa.

Si prega di far riferimento al manuale d'installazione del prodotto per ulteriori particolari.

Interconnetzioni del sistema

Tutti le interconnetzioni del sistema di quest' apparecchiatura rientrano nei limiti SELV, come definiti nello standard EN60950.

Condizioni ambientali

Campo di temperatura:

In esercizio da 0°C a +30°C, nell' ambiente circostante.

Non in funzione: da -20°C a +60°C.

Umidità relativa:

In esercizio: da 25% a 80% senza condensa.

Non in funzione: da 0% a 90% senza condensa.

Se durante la spedizione si forma della condensa, è indispensabile che tutte le unità abbiano il tempo di adattarsi alla temperatura ambientale, per permettere alla condensa di dissipare, prima che sia applicato il corrente di rete.

Altitudine:

In esercizio Fino a 2.000 metri

Non in funzione 15.000 metri.

Prima della messa in funzione, assicurarsi che l'apparecchiatura sia installata saldamente su di un supporto o una superficie piana e stabile.

Dei supporti supplementari sono raccomandati per il montaggio di unità a rack di più di 3U di altezza.

Installare solo in un ambiente pulito, secco e senza sostanze inquinanti.

Non installare in atmosfera esplosiva.

Non permettere che sostanze liquide o solide entrino

nell' apparecchiatura. Se queste dovessero fortuitamente entrare, spegnere immediatamente l' unità, e contattare il tecnico di manutenzione.

Raffreddamento

Assicurarsi che ci sia uno spazio adeguato per il raffreddamento. Questa precauzione aumenta la durata e le prestazioni dell' apparecchiatura.

Ad altitudini maggiori, il tempo di raffreddamento dovrebbe essere aumentato.

Non bloccare le aperture di ventilazione.

Svolgere un'ispezione regolare, e se necessario, pulire i filtri d'aria sulle unità rack.

Non lasciare l' apparecchiatura sotto tensione se coperta con la sua protezione plastica (se fornita).

Metodi di raffreddamento:

Se si usa un raffreddamento convenzionale (per esempio per le console senza filtri d' aria), assicurare un libero flusso d' aria con uno spazio libero minimo di almeno 75 mm intorno all' intera apparecchiatura. Se in dubbio, contattare il Servizio Supporto Clienti AMS Neve per informazioni.

Le apparecchiatura a rack utilizzano un raffreddamento ad aria forzata, con filtri d'aria.

Pulitura

Per pulire il pannello frontale dell' apparecchiatura, raccomandiamo un detergivo per schermi antistatici, utilizzando uno straccio morbido pulito e solamente un poco di detergivo.

Avvertenza



L' esposizione ad alti livelli di pressione sonora per periodi troppo lunghi può danneggiare l' udito in un modo permanente.

ADVERTENCIAS DE SEGURIDAD



Peligro



PELIGRO
RIESGO DE DESCARGA ELÉCTRICA
NO ABRIR

PARA REDUCIR EL RIESGO DE DESCARGAS ELÉCTRICAS, NO DESMONTAR LA TAPA NI EL PANEL POSTERIOR. EN EL INTERIOR NO HAY PIEZAS QUE PUEDA REPARAR EL USUARIO. LOS TRABAJOS DE MANTENIMIENTO DEBEN SER REALIZADOS POR PERSONAL CUALIFICADO.

- El mantenimiento de este equipo debe realizarse exclusivamente por personal cualificado
- No contiene piezas que puedan ser reparadas por el usuario
- Lean y prestén atención a todas las etiquetas informativas y de advertencia
- El equipo debe desconectarse de la red, retirando la clavija IEC de alimentación de corriente eléctrica antes de empezar cualquier trabajo de reparación
- Asegúrense de que las salidas de corriente de la red de la instalación se encuentran fácilmente identificables
- Todo el cableado de la instalación debe realizarse en conformidad con las normas vigentes en el país.

Explicación de los símbolos de advertencia



El relámpago con punta en forma de flecha en un triángulo equilátero advierte al usuario de la presencia de niveles de energía y voltaje peligrosos en el interior del producto que pueden ser de suficiente magnitud como para constituir un riesgo de descargas eléctricas o de daños personales.



El punto de exclamación en un triángulo equilátero invita al usuario a consultar instrucciones importantes de manejo o de mantenimiento (o reparación) contenidas en la documentación suministrada con el producto.

Puesta a tierra, alimentación de corriente eléctrica y fusibles

El equipo debe conectarse a TIERRA

La conexión debe realizarse exclusivamente mediante un conector adecuado en el que la tierra física ha sido comprobada. La totalidad del equipo podría representar un riesgo potencial de descarga eléctrica al no estar conectada a tierra. Además del hilo de tierra en el cable de alimentación, es imprescindible utilizar las bornas de tierra provistas en el equipo.

La información sobre intensidad y voltaje previstos para el equipo se encuentran en la placa de características de la red situada cerca de la entrada IEC de la red en el equipo.

Los fusibles deberán sustituirse sólo por fusibles del mismo tipo y con las especificaciones indicadas en la placa de características. Para más detalles, consulten el manual de instalación del producto.

Interconexiones del sistema

Todas la interconexiones al sistema de este equipo están comprendidas en los límites SELV según definido por EN60950.

Consideraciones medioambientales

Temperaturas ambiente:

En funcionamiento: 0°C a +30°C, en el ambiente inmediato

Fuera de servicio: -20°C a +50°C.

Humedad relativa:

En funcionamiento: 25% a 80% sin condensación

Fuera de servicio: 0% a 90% sin condensación

En caso de haberse producido una condensación durante el transporte, es esencial dar el tiempo suficiente al equipo para aclimatarse a la temperatura ambiente para dejar que se disipe la condensación antes de conectar la potencia.

Altitud:

En funcionamiento: hasta 2.000 metros

Fuera de servicio: 15.000 metros

Asegúrense de que el equipo se encuentra montado de manera segura sobre un bastidor o una superficie plana segura antes de ponerlo en marcha. Se recomienda el montaje de soportes adicionales para equipos que se coloquen sobre bastidores de más de 3U de altura.

Utilicen el equipo sólo en ambientes limpios, secos y no contaminados.

No utilicen el equipo en ambientes explosivos.

No permitan que se introduzca ningún elemento líquido o sólido en el equipo. Si esto ocurriese accidentalmente, desconecten la unidad inmediatamente y pónganse en contacto con nuestro servicio técnico.

Enfriamiento

Asegúrense de que el equipo disponga de suficiente espacio para su ventilación y enfriamiento. Esto también alargará la vida y la fiabilidad del equipo.

Puede resultar necesario un mayor enfriamiento en alturas superiores.

Eviten que se obturen las ranuras de ventilación.

Inspeccionen con regularidad los filtros de aire en unidades de bastidor y límpielos, si es necesario.

No dejen el equipo funcionando con la cubierta contra el polvo puesta (donde suministrada).

Métodos de enfriamiento:

Donde es utilizado el enfriamiento por convección (por ejemplo, en la consola sin filtros de aire), aseguren el libre paso del aire dejando un espacio abierto mínimo de 75 mm alrededor de todo el equipo. En caso de duda, contacten con el Departamento de Asistencia al Cliente de AMS Neve. Los equipos montados sobre bastidor utilizan enfriamiento forzado con filtros de aire.

Limpieza

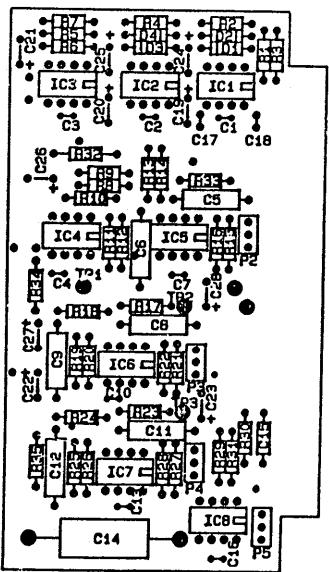
Para la limpieza de los paneles frontales del equipo recomendamos aplicar un limpiador de pantallas antiestático a pulverizar sobre un paño suave para humedecerlo.

Advertencia

La exposición durante períodos prolongados a altos niveles de ruido puede dañar permanentemente su oído.



INPUT BOARD

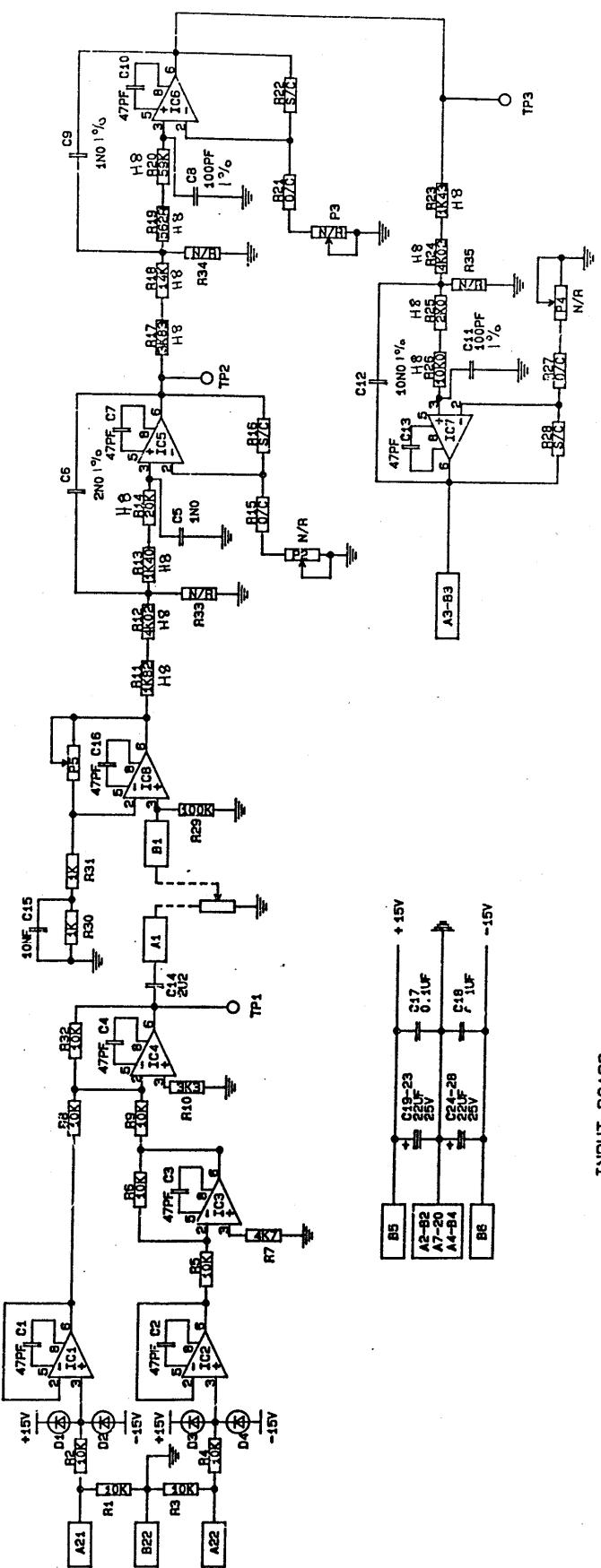


COMP. NAME	CHANGES	E.5.21	5
FIRST ISSUE		23.5.85	3
MODIFICATION		DATE	23.5.

SPN815-033 Sht 2

ADVANCED MUSIC SYSTEMS, BURNLEY, ENGLAND

DRAWN: L.LOMBARDI
DATE 20.11.85
AMS INDUSTRIES PLC



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advanced music systems, burnley, england.

PCB & CIRCUIT CHG.	18.3.81	5
TP1 was FROM Rule of 68	24.2.81	4
FIRST ISSUE	23.5.80	3
MODIFICATION	DATE	ISS.

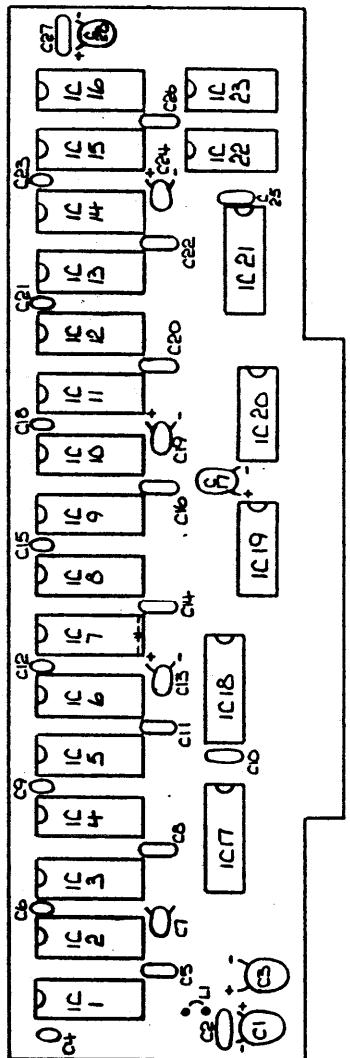
SCALE

DRAWN L. Lombard DATE: 25.11.85

CHECKED APPROVED

DRG. NO. SPN815-033 Sht 3

File No.	Issue
WEBCO MODELS	2.5.80 2
WEBCO SOURCES	12.10.81 3
Count of Parts	23 / 83 4



NOTE

1. FOR 2118 BARS - NO MODELS & AMT CL, 2, 3, 4, 6, 9, 12, 15, 18, 21, 23, 27, 28
2. FOR 4116 BARS - WIRE LNK (L1) & C15
TRACK CONNECTING PIN 8 (9) OF IC7
ON SOLDER SIDE

RAM 2 BOARD



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DRG. No.	DATE
DMX 13.4	SHT 2

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DRAWN
KJ

2500 2
2500 4
WIRING MOD
2500 7

10.4.80
DATE

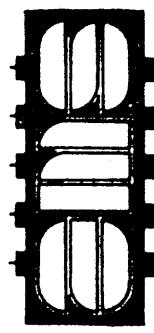
DRG. No.
DMX 13.4

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DRAWN

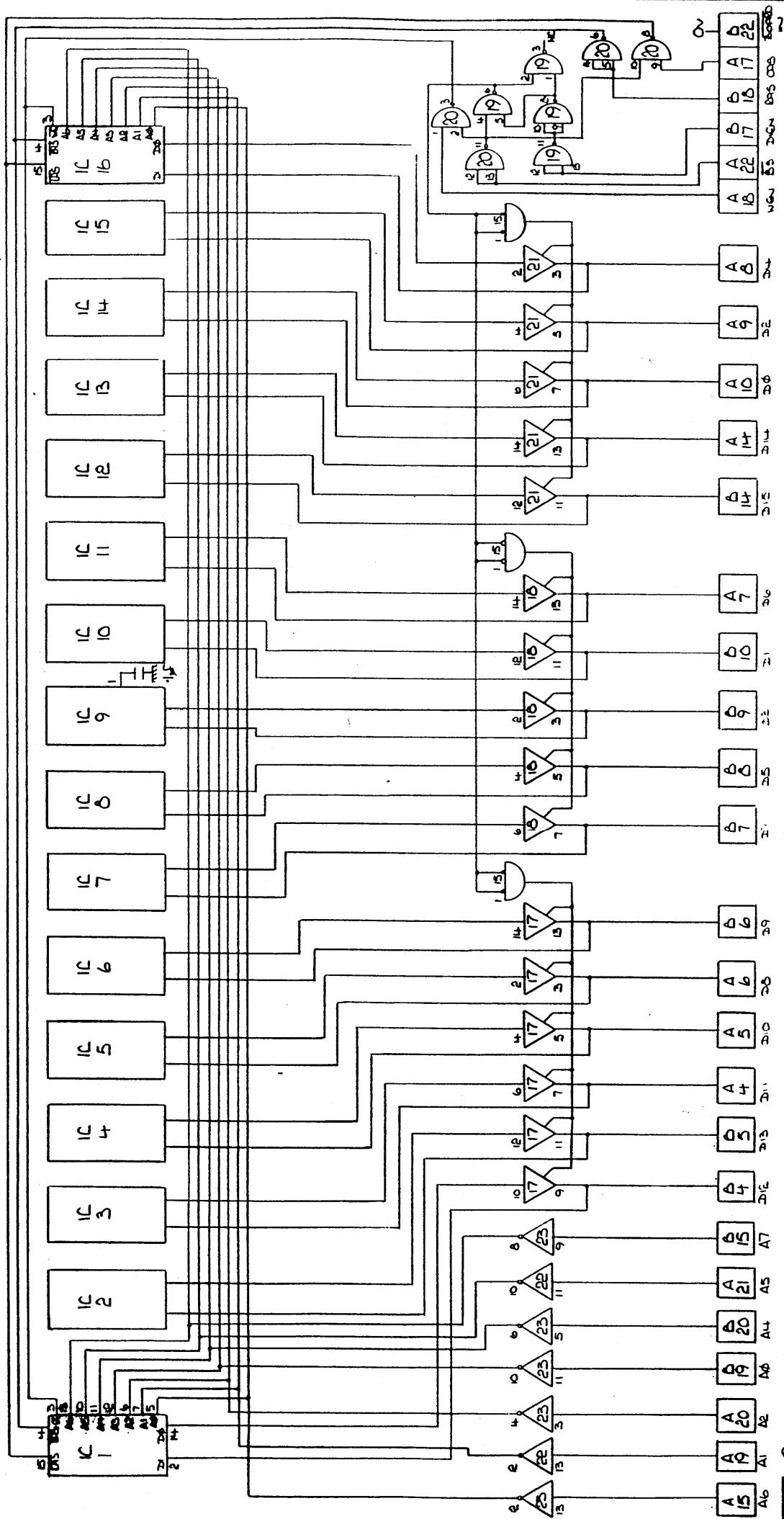
1980

1980

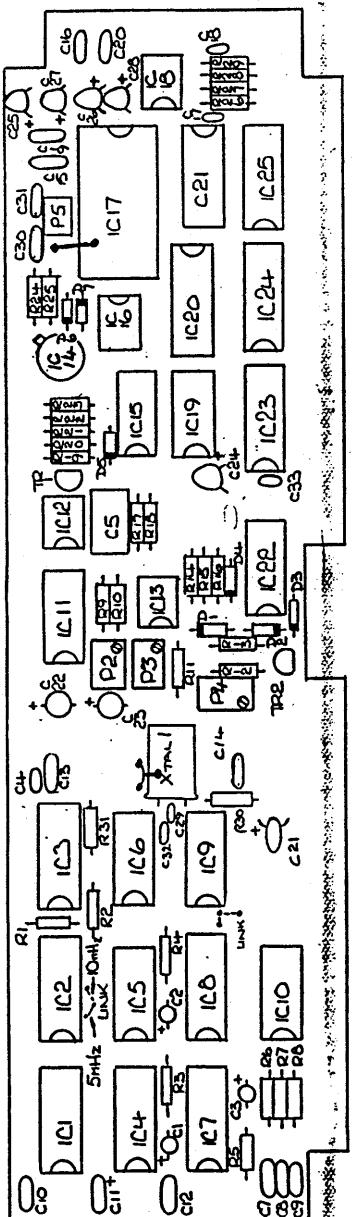
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RAM 2 BOARD



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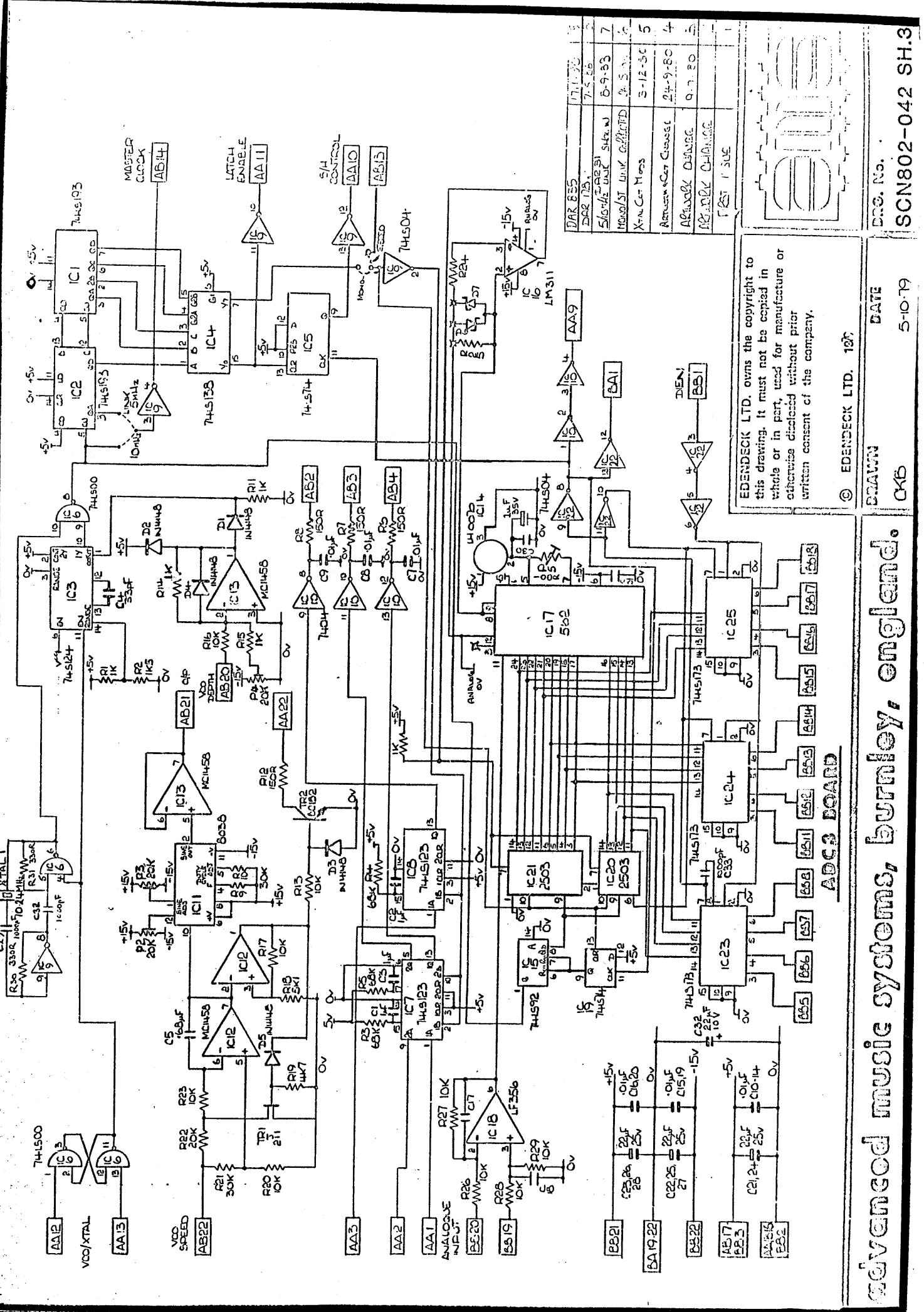
DRAWN
[Signature]

DATE
9-7-80.

DRG. No.
DMX14.77 SHT 2

DATE 8/85	11.1.90	9
DRP 78,	7-5-86	8
DATE 31 ADDED 5/10 MHZ LINE SHOWN	8-9-83	7
HARDST LINE COLLECTED	28-5-82	6
XTRN1 MODE R3031, C29 +C32 REMOVED	3-12-80	5
C32 ADDED 5/15/81 Turned round	24-9-80	4
FIRST ISSUE	19-7-80	3

ADC 3 BOARD



DEO. NO. SCN802-042 SH.3

३८

DATE
5-10-79

CKB

SCIENCE

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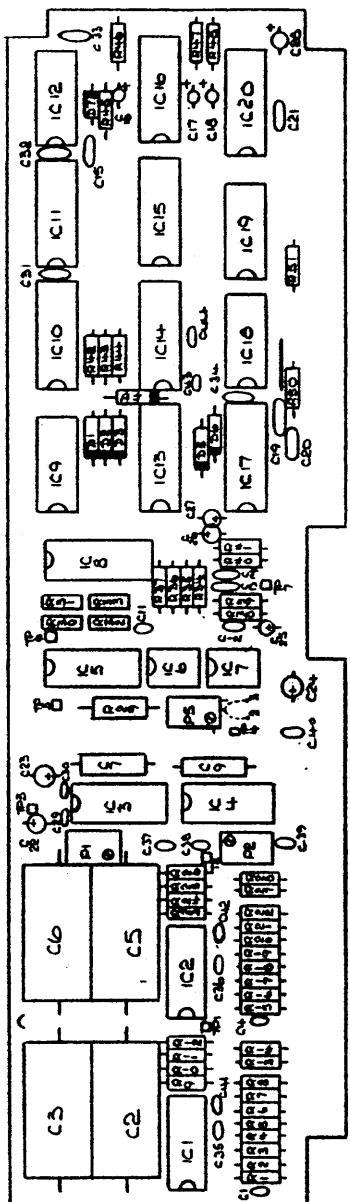
DRAWN KB

DATE 10.3.80

DRG. NO.
DMX 15.3

SHT 2

STEREO SAMPLER BOARD



DR 179	7.5.84	6
RUG REPROD	2.11.85	5
UN 30 UNI TUNI	" 2.81	4
CH 1 CH 2 AD60	" 7.81	3
CODES ADDD GTC		2
TEST ISSUE		1

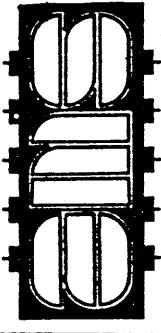
TEST ISSUE

advanced music systems, burnley, england.

STEREO SAMPLER

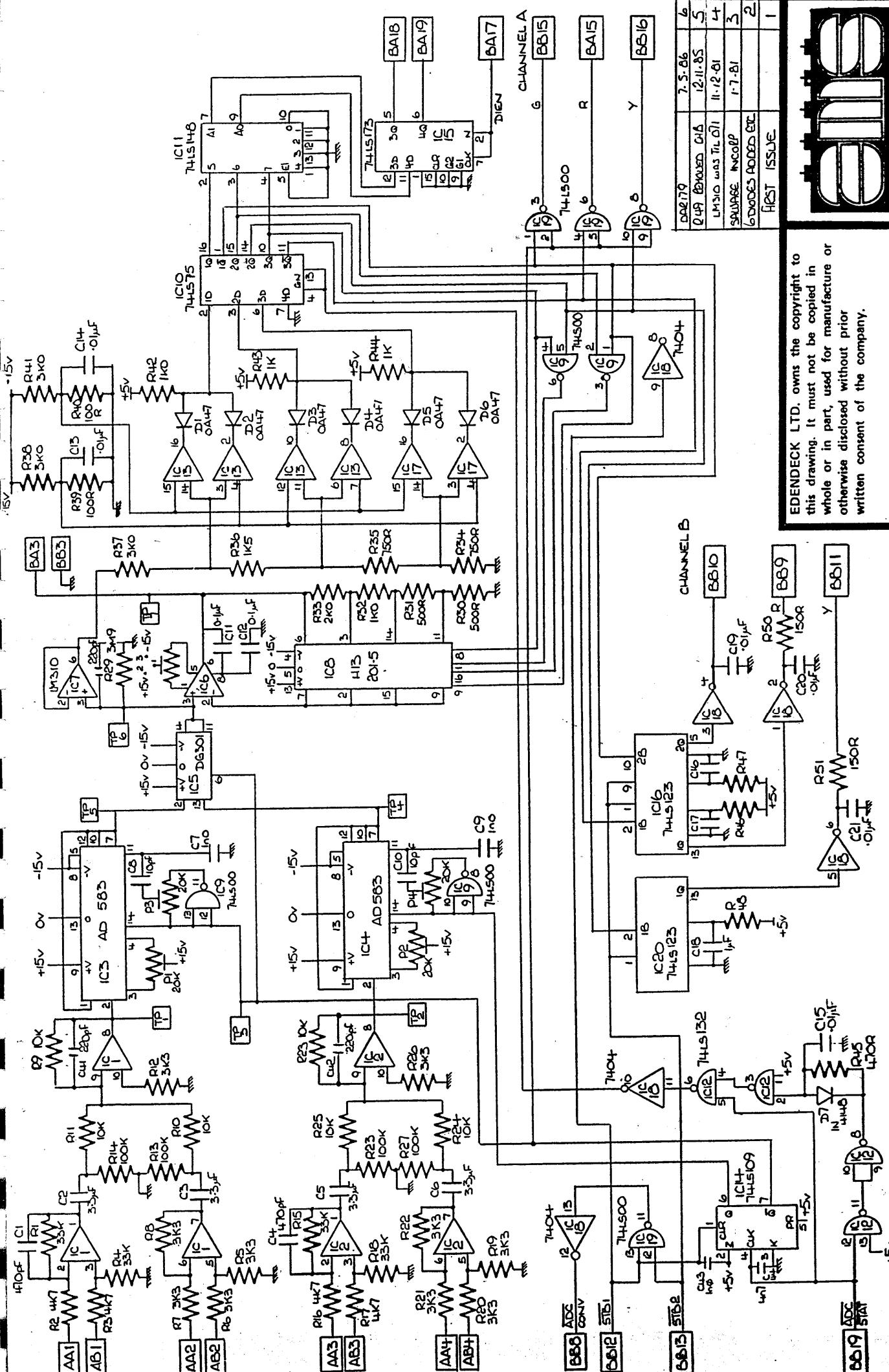
DRAWN
KB
DATE
20-3-80

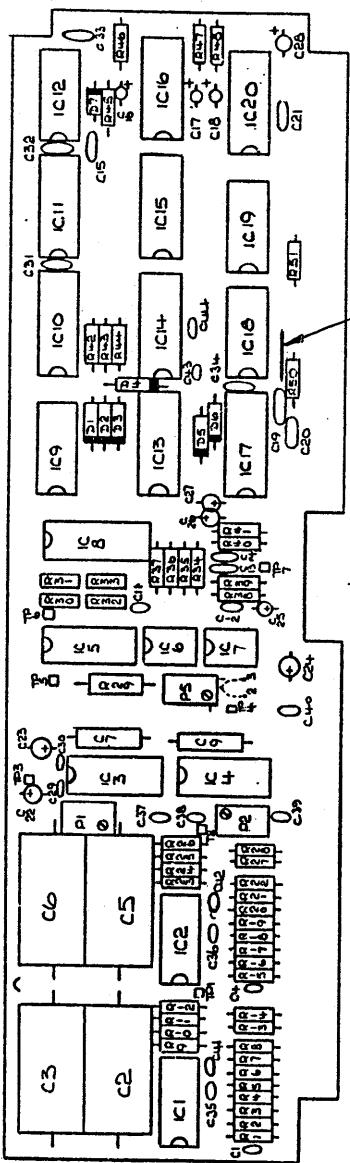
DRG. No.
DMX 15.3 sht 1



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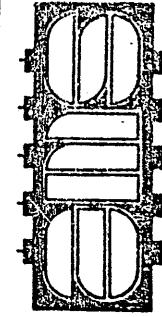
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Remove link & replace
with 150Ω resistor

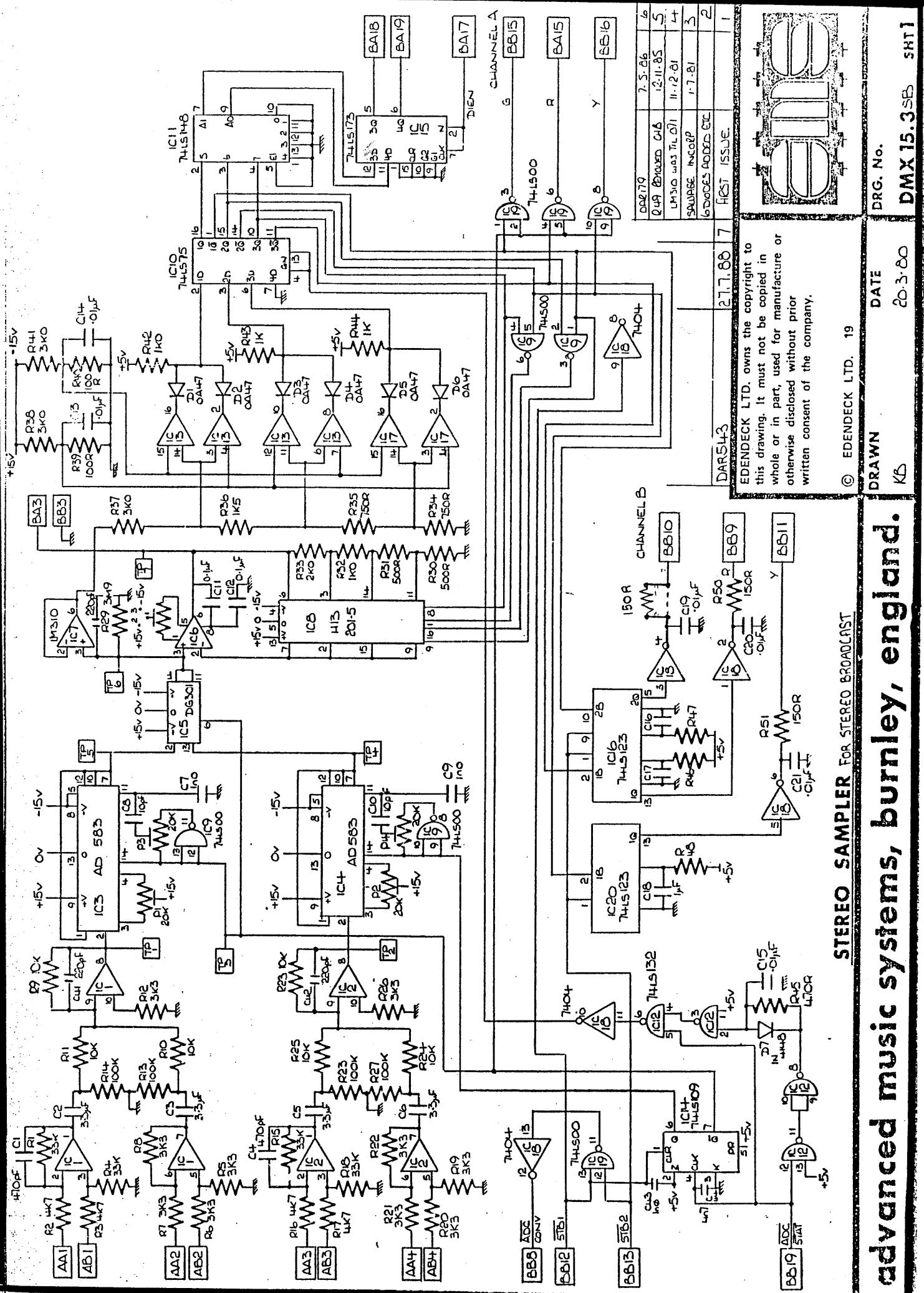
Part No.	Date	Rev.
DRG 179	27.8.86	7
DRG REMOVED	7.5.86	6
LW 310 was T071	12.11.85	5
CH 4 C42 ADDED	11.12.81	4
LOADS ADDED CTC	1.7.81	3
PCB ISSUE		2



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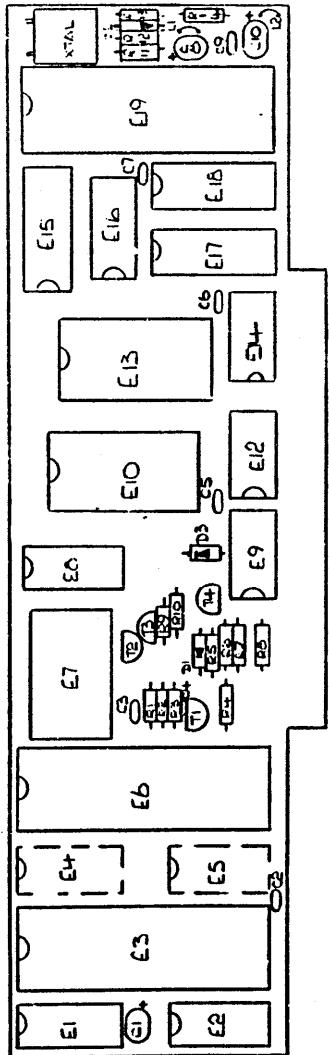
STEREO SAMPLER BOARD
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DRG. No.	DATE	REV.
DMX 15.3 SB	10.3.80	SHT 2



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1	15542	2555
2	15542	2555
3	15542	2555
4	15542	2555



PROCESSOR BOARD OPTIONS

E2 CONNECTIONS Link Pin 9 to Pin 6

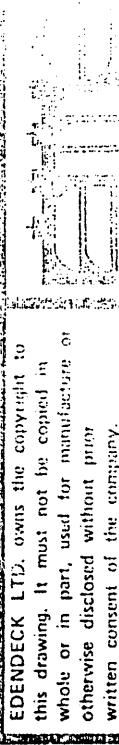
No of Options	CHANNEL A	CHANNEL B
1	Link Pin 4 to Pin 5 to Link Pin 7 to Pin 8	Pin 1
2	Pin 1	Pin 1
3	Pin 16	Pin 1
4	Pin 16	Pin 1

NON-DEGLITCH WITH MCB 4

No of Memories	Link Pin 6 to Pin 5	CHANNEL A	CHANNEL B
1	Pin 1	Pin 1	Pin 1
2	Pin 16	Pin 1	Pin 16

DEGLITCH

16K ROM 408ms	Pin 1	Pin 1
64K RAM 16ns	Pin 16	Pin 16



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PROCESSOR BOARD

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DRAWN
K.B.

SUN820-053 Sht 2

advanced music systems, burnley, england.

DRG. No. DMX 23.5 SHT 1
DATE 11-4-80

PROCESSOR BOARD

DUAL LOCKING MODE	12-11-85	6
DATE 76 ADDED	23-5-84	5
Viscar Audit. 11-11-85	11-11-82	4
CIO Unit 11-11-85	7-9-81	3

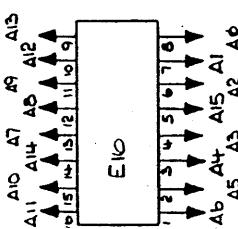
PC 10 were 2002
PC 9 was 2002 (S412)
PC 8 was 2002 (S412)
FIRST ISSUE 2-5-80



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PC 5 C255 E 3
PC 6 C255 E 6
PC 7 C255 E 5
PC 8 C255 E 4
PC 9 C255 E 7

8085



NUMBER OF
RAM CARDS

{ A
B
C
D }

E10

E11

E12

E13

E14

E15

E16

E17

E18

E19

E20

E21

E22

E23

E24

E25

E26

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E296

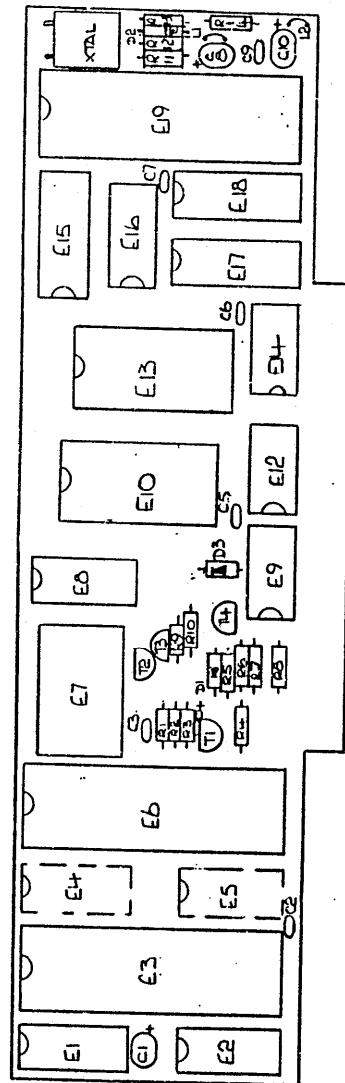
E297

E298

E299

E30

FIRST ISSUE	25.00
OPTIONS ADDED	24.28
EDENDECK WITH BILL	7.00
TEST ACCESS	11.11.82
DAP 76	23.5.84
BAL LOCNS	12.11.85
DATA SUB 3	27.7.86



PROCESSOR BOARD Options

E2 CONNECTIONS Link Pin 9 to Pin 8

No of HARDDISKS	LINK Pin 8 TO CHANNEL A	LINK Pin 5 TO CHANNEL B
1	Pin 1	Pin 1
2	Pin 1	Pin 1
3	Pin 1	Pin 1
4	Pin 16	Pin 16

No of HARDDISKS	LINK Pin 8 TO	CHANNEL A	CHANNEL B
1	Pin 1	Pin 1	LINK Pin 10 TO
2	Pin 16	Pin 16	Pin 16

DEGLITCH	CHANNEL A	CHANNEL B
16K RAM 408ms	Pin 1	Pin 1
64K RAM 1,05	Pin 16	Pin 16

REMOVE LINK FROM 2 & 3
LINK 1 & 2 AND 3 & 4

SOLDER SIDE : REMOVE LINK FROM E19 Pin 7
LINK E19 Pin 7 to E19 Pin 8

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PROCESSOR BOARD

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DRAWN
KB

DATE
30.4.80

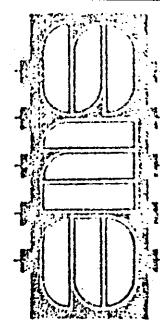
DRG. NO.
DMX 23.5SB SHT 2

DRG. NO. **DMX 23.5SB** SHT 1

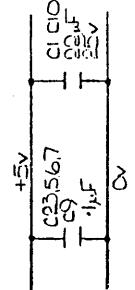
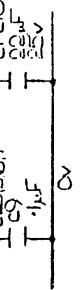
DATE **11-4-80**

DRAWN **KB**

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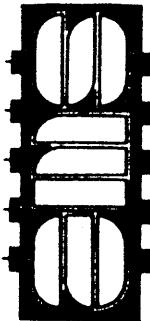


+5V



+5V

£ inclusive 20% VAT
Foto Measurements £ 9.81
Board ready 7.7.81 2
First issue 24.2.81 1



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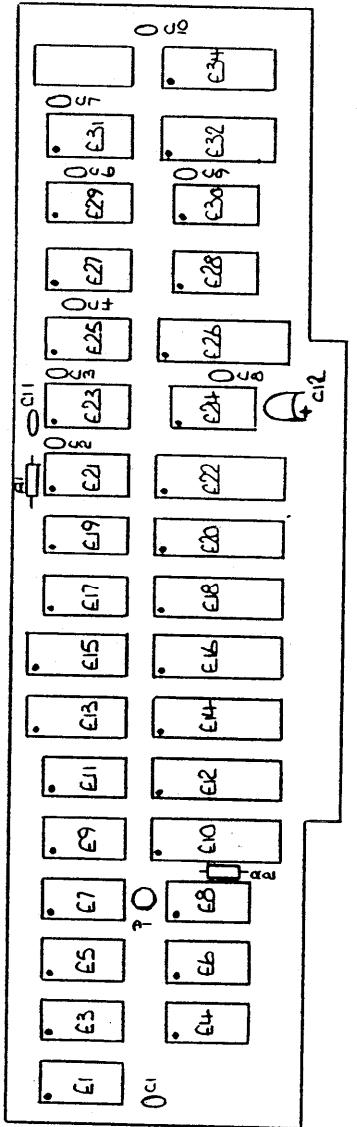
DRG. No.
DMX 31.4 SHT2

DATE
7.7.81

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DRAWN
16

MULTIPLIER BOARD



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DRG. No. **DMX 31.4** SHT 1
DATE **2-2-81**

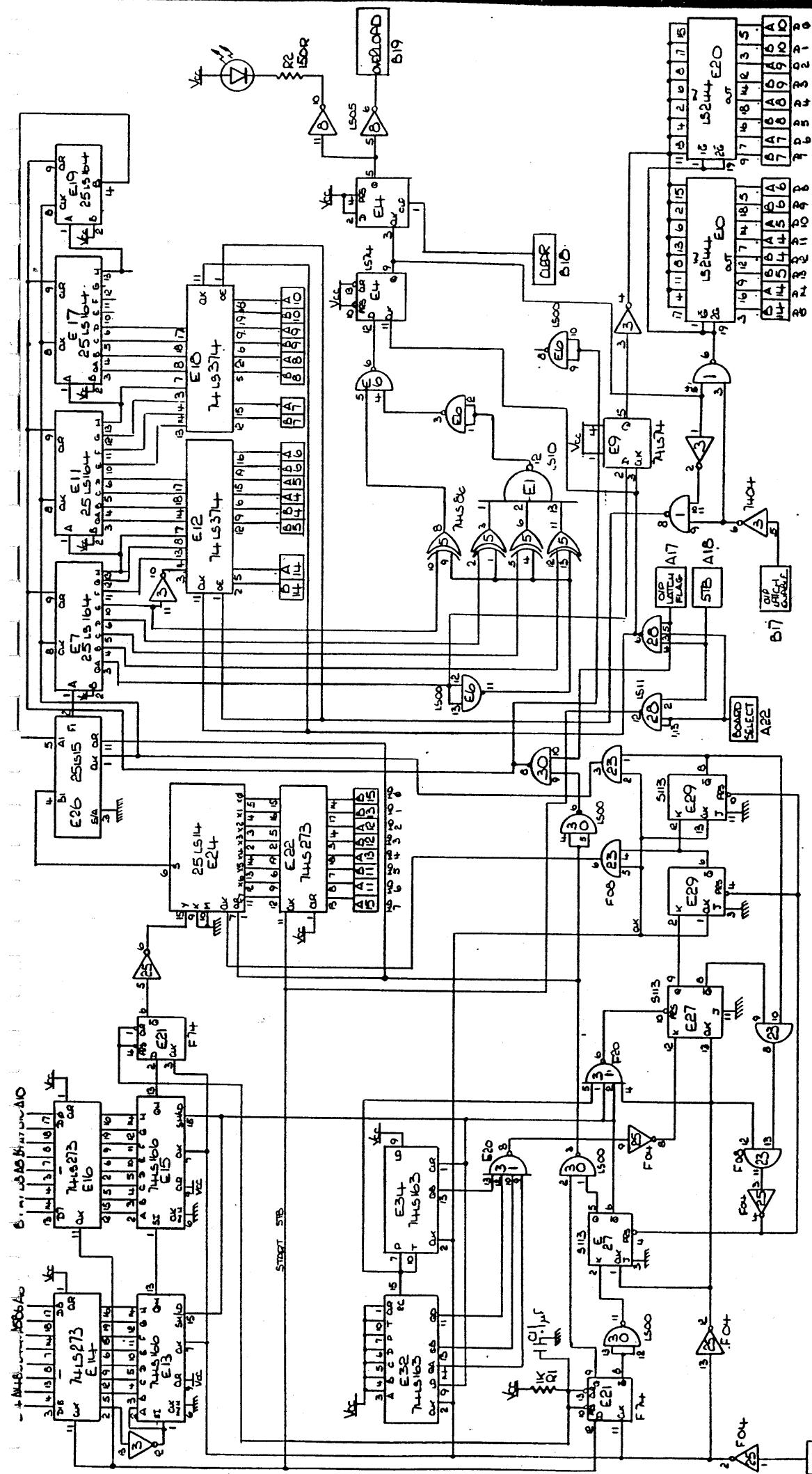


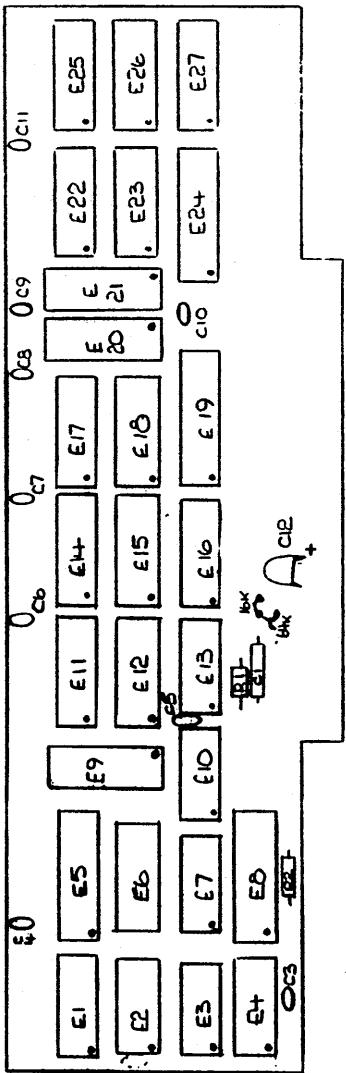
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MULTIPLIER BOARD

CUX
22 MHz



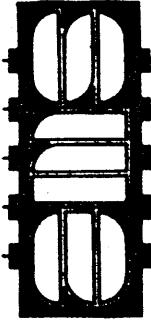


MCB SA

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EDENDECK LTD.	1981.	1-6-83	5
To	EDENDECK LTD.	Shuttle	4
RE	ACCD C	CHANGED	7.9.81
BOOKS	MOS	MOS	28.7.81
FIRST ISSUE			17.3.81

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DRG. No.
DMX 32.8 SHT 2

DRAWN
AB
DATE
17.3.81

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DATE
2-20

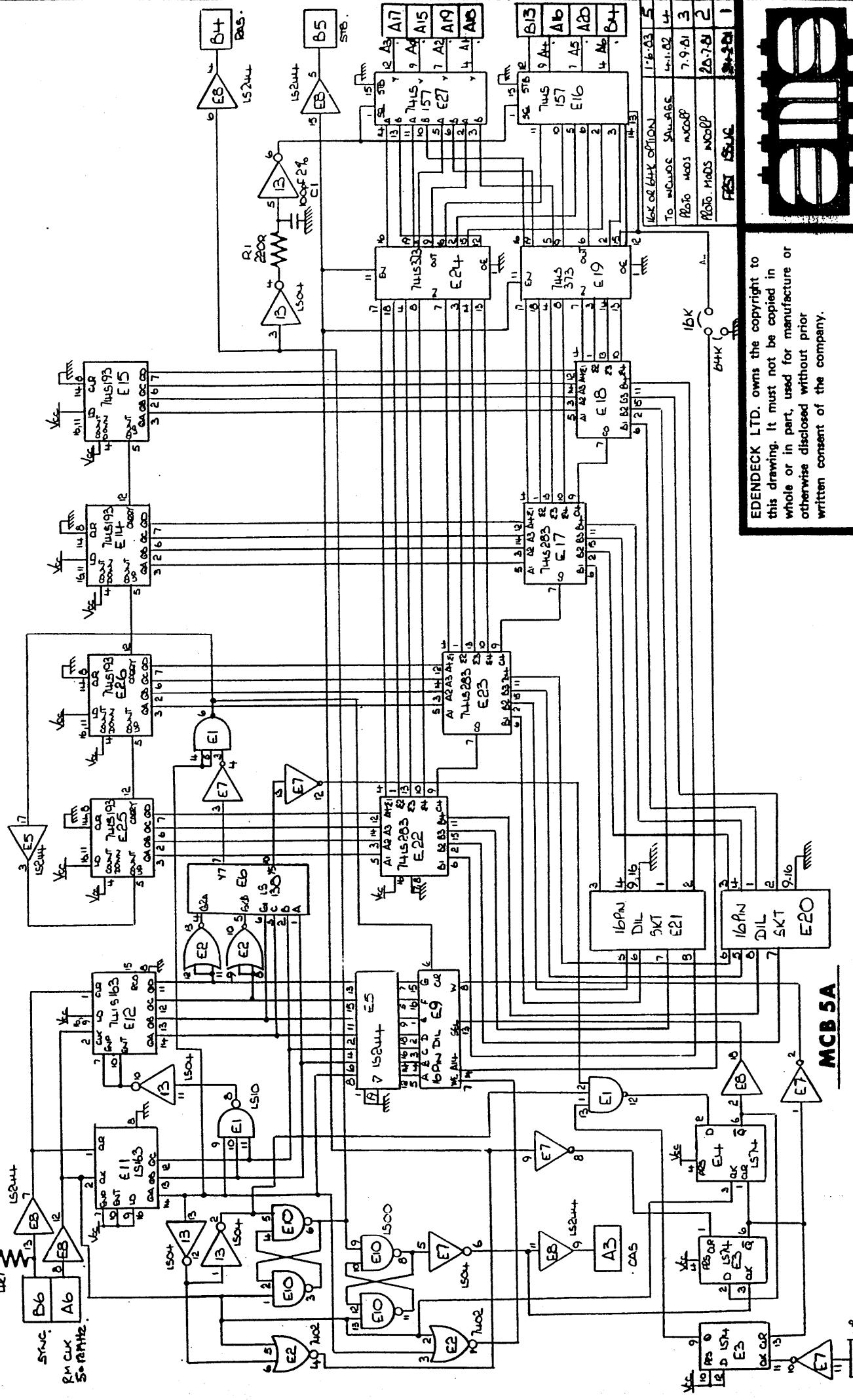
PROG. NO.
DMX 32.8

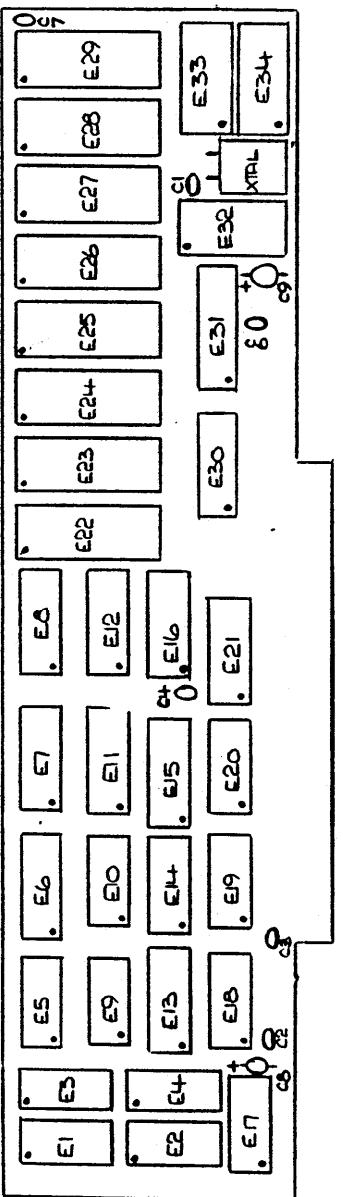
SHR 1

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PROTOTYPE NO. 65	8.9.81	1
DATE ISSUED	5.8.81	2
FIRST ISSUE	27.3.81	1

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MCB 5B

DRG. No.	DMX 33.3	SHT 2
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DRAWN	27.3.81
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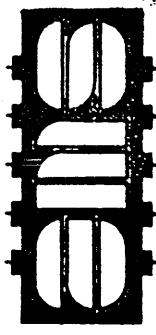
DATE	27.3.81
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MCB 5B

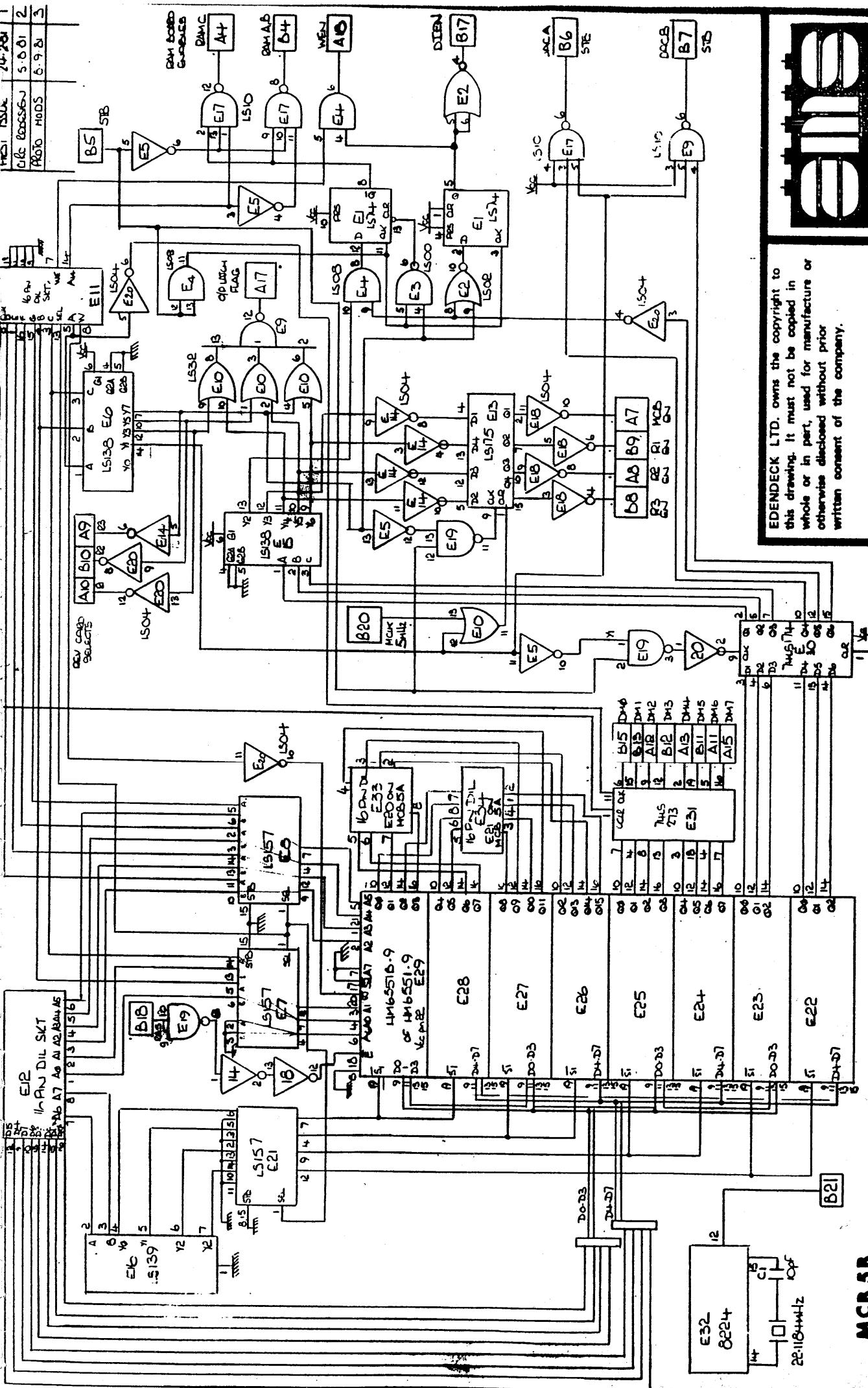
DRAWN 1/6 DATE 2-4-81

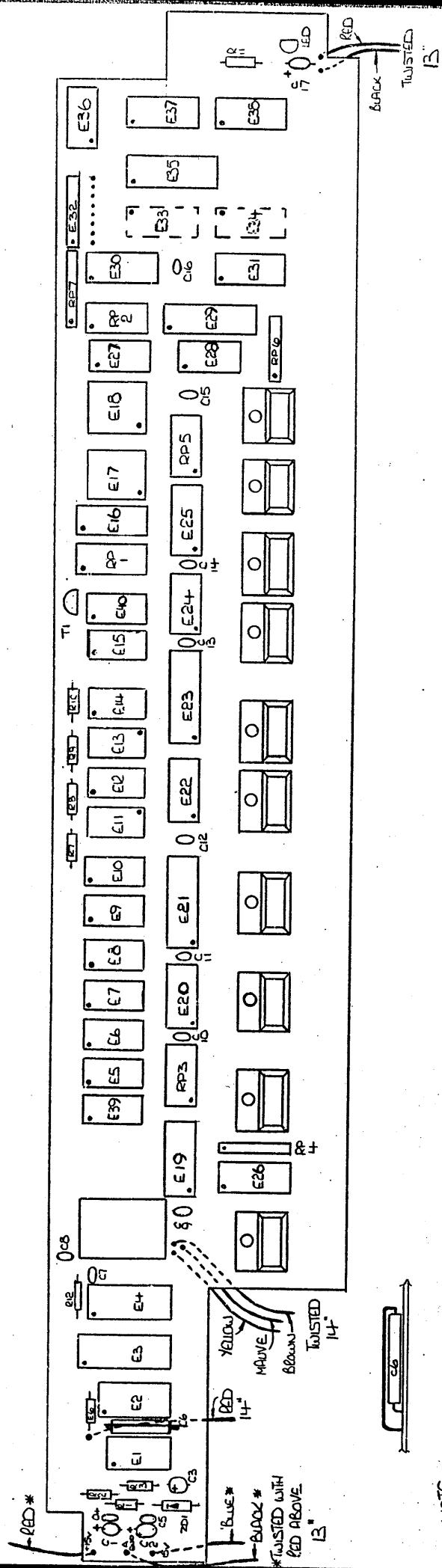
DRG. No. DMX 33.3 SHEET 1



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REVERBERATION FRONT PANEL

DM 655 (ORIGIN DETAIL)	21.4.80	6
DATE 11.9	16.7.85	5
E1 + E13 was nL28	13.5.82	+
E39 + 40 ANDED	12.11.81	2
SHT 1 140.3	17.3.81	2
1ST ISSU.	6.3.81	1

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DRAWN

VB

DATE

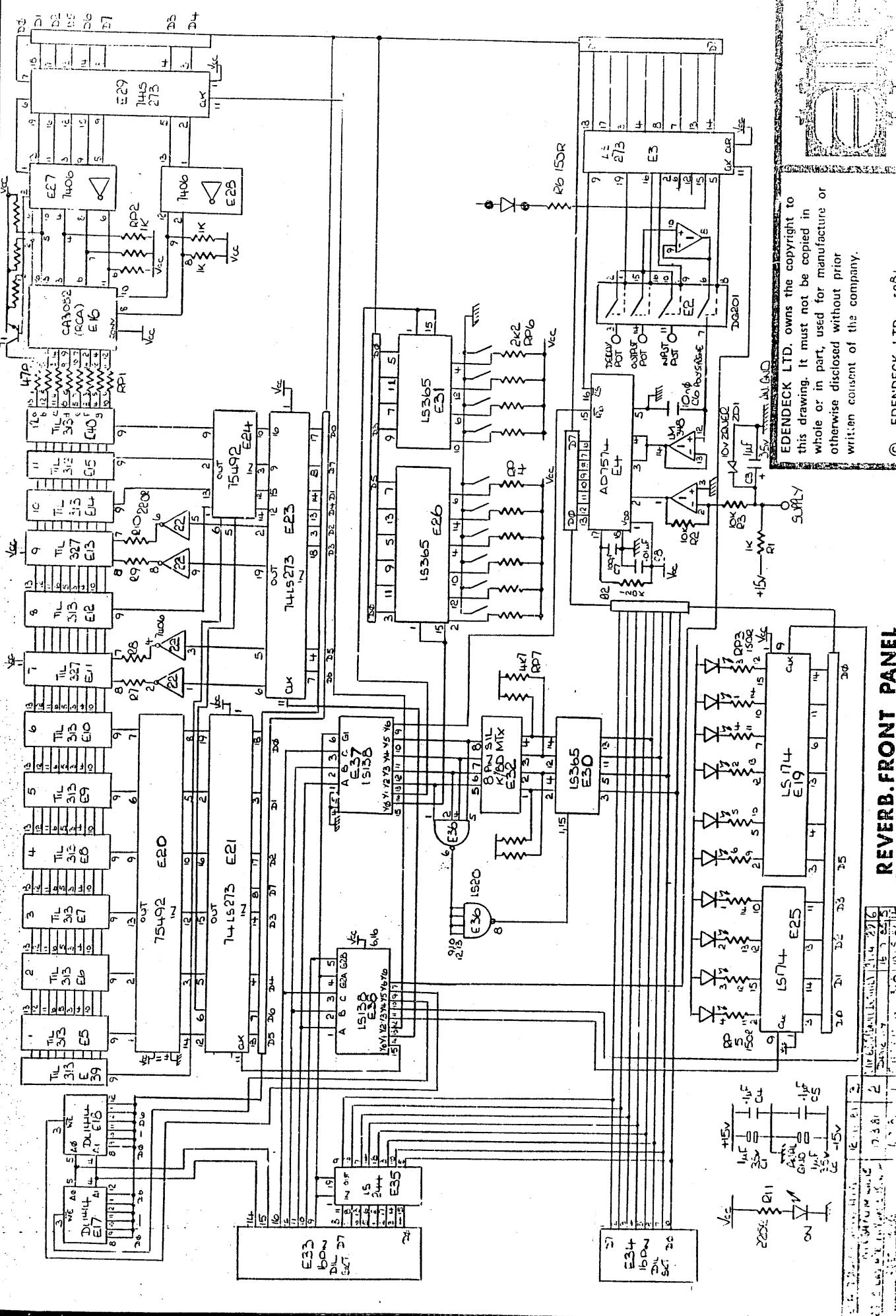
6.3.81

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DRG. No.
DMX 34.3 SHT 2

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REVERB.FRONT PANEL



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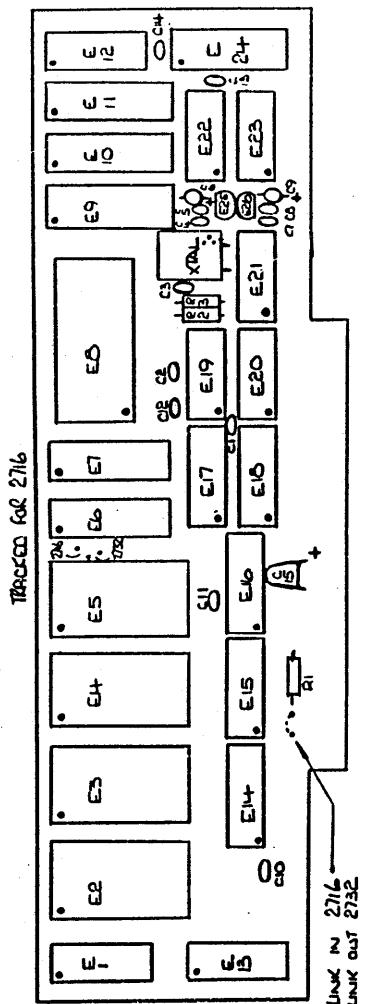
DATE

6-3-81

DRG. No.

DMX 34.3 SHT 1

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PROGRAM INTERFACE ASSY

Sheet No. 1 of 2	Date 1955	Rev. D
Ref. Type MCDS	1955	1
First Issue	1955	1

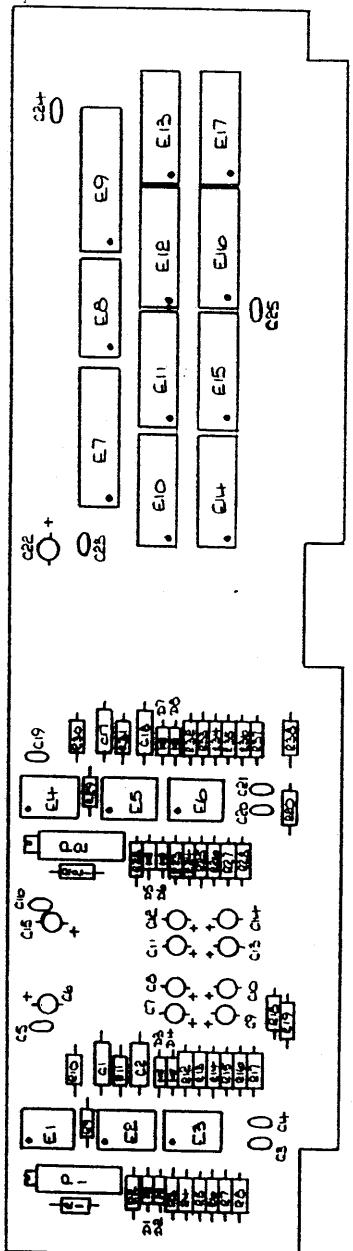
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DRAWN
V6

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DRG. NO.
SCN802-045 Sht 2

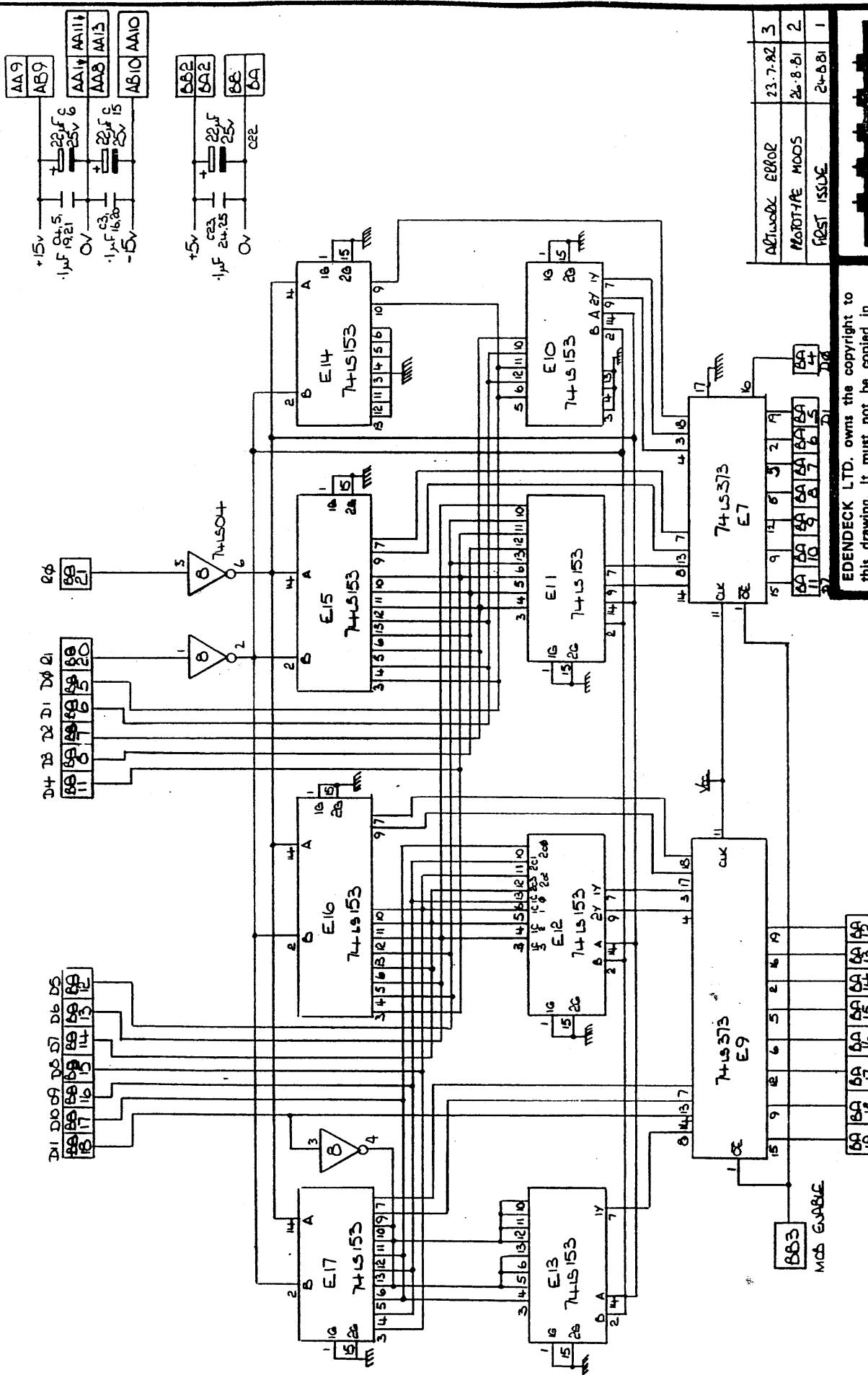


ARTWORK E882 23-7-82 3
PROTOTYPE MODE 26-8-82 2
FIRST ISSUE 24-8-81 1

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DRAWN *[Signature]*
DATE 24-8-81
DRG. No. DMX 44.3 SHEET 3



Executive Control Board

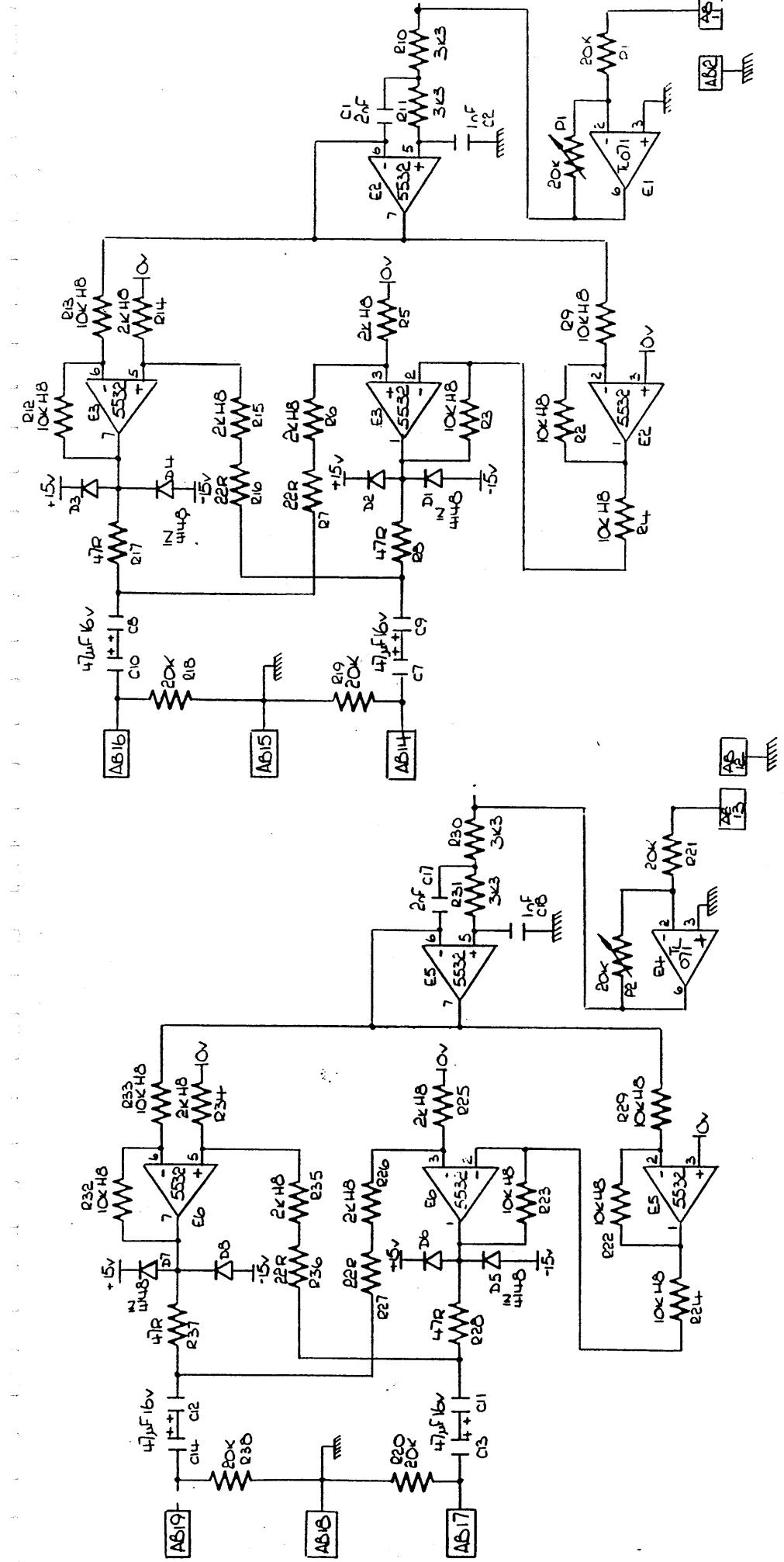
Advanced music systems, burrey, england.

MAN

DATE

D.R.C. No.

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EXCITANT CONTROL BOARD

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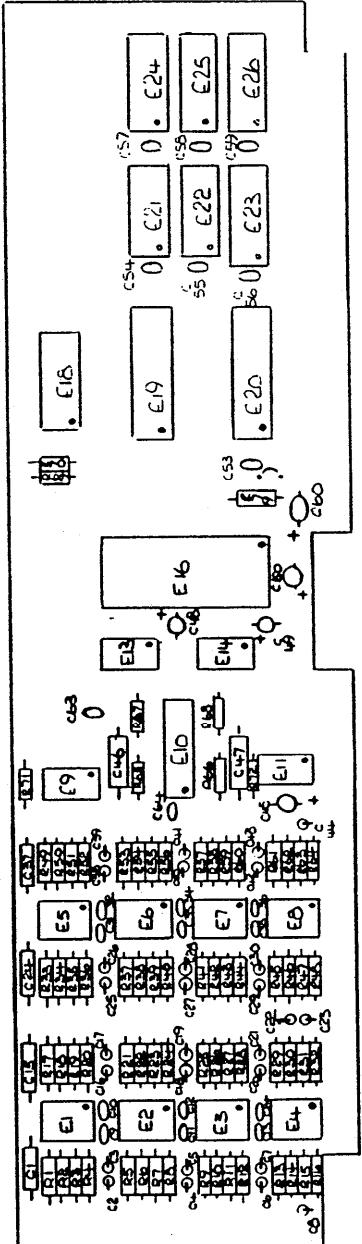
DATE
6.6.81

DRAWN
VB

DRG. No.
DMX 44.3 sub2

Autodesk	ED800P	23.7.82	1
Model/Type	Mod3	26.8.81	2
First Issue		24.6.81	1





16BIT DAC

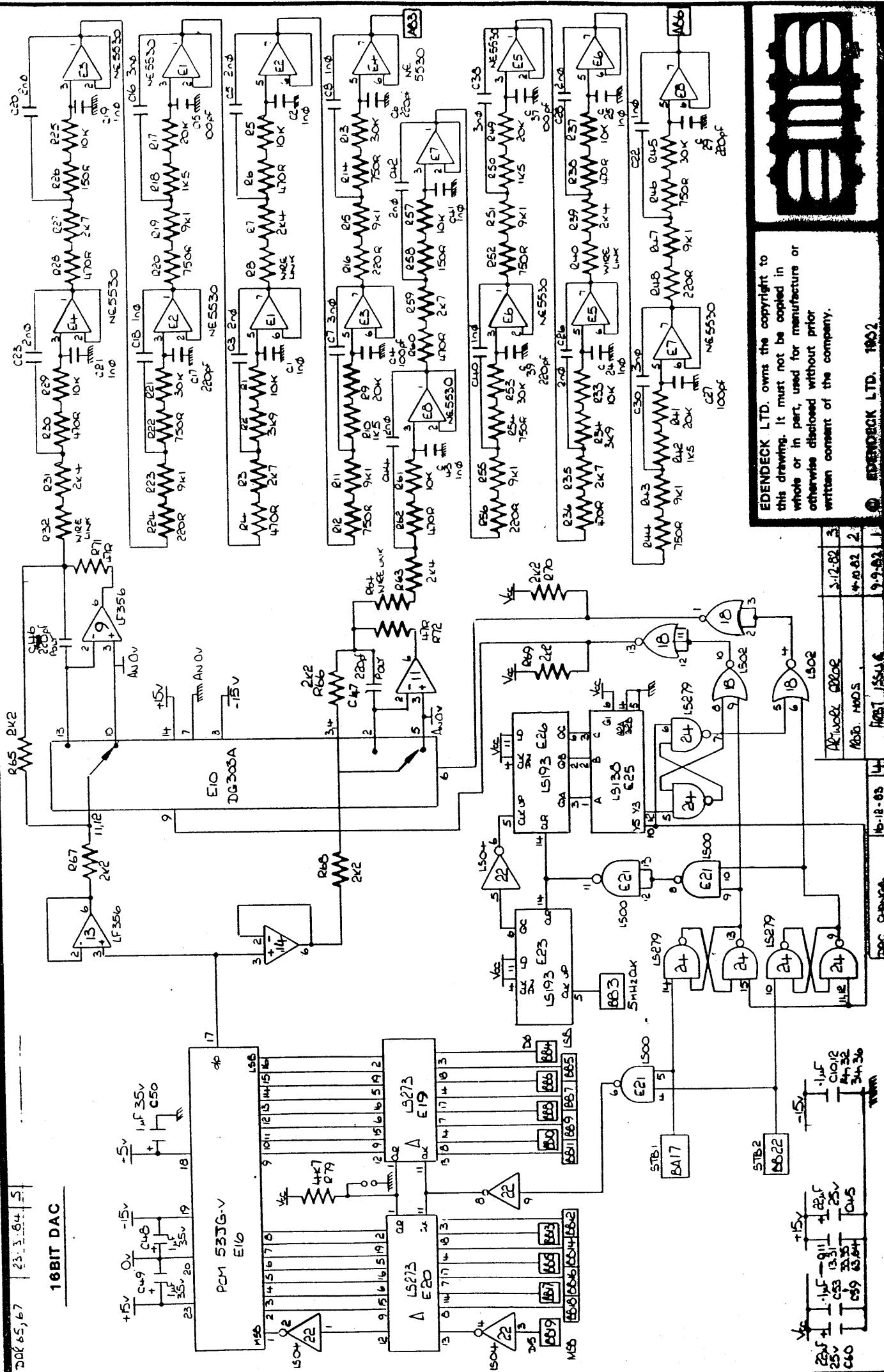
DOC 65.67	23.304	5
DOC CHANGE	16.12.81	4
ACTUALS	EPIC	3.01.81
ROTATIF. MODS	4.10.81	2
FIRST ISSUE	9.9.82	1

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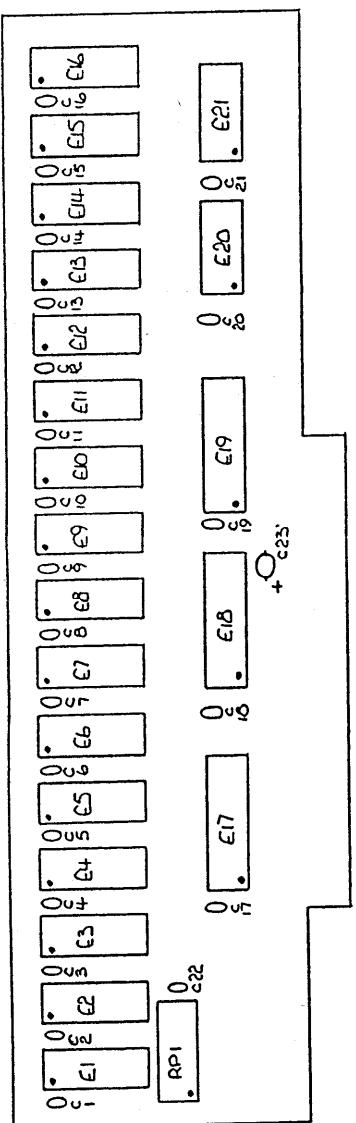
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1987-12-03 4

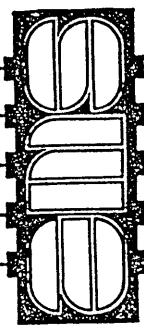
४५८

Advanced music systems bumble, sing along



RAM 4 REVERSE

DAR 02.52.9	6.02.84.3
RP1 ADDED	DAR 59 8.2.84.2
FIRST ISSUE	20.11.82 1



DRG. No.	DMX69.2.	SHT 2
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DATE	30.11.82
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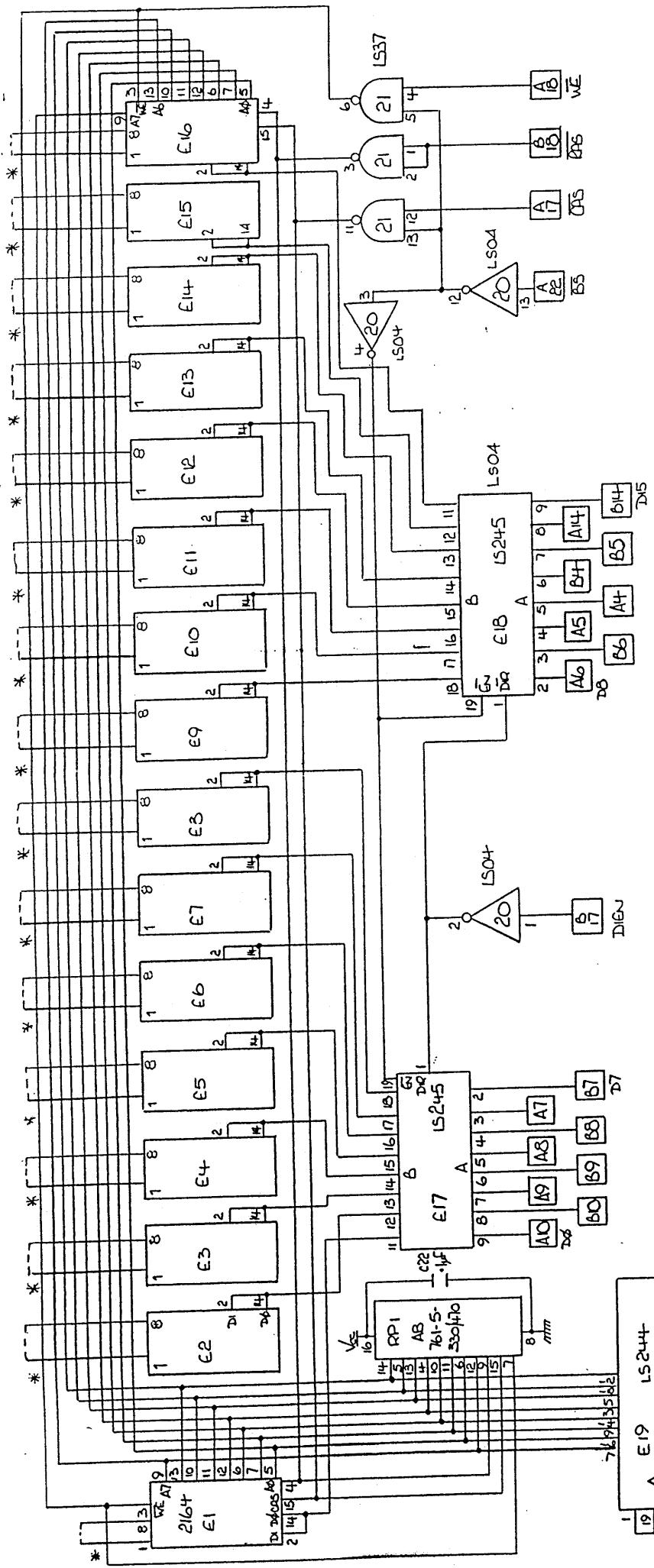
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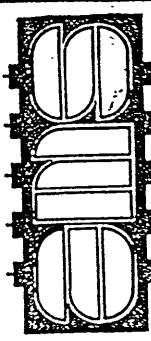
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* LINK PIN 1 TO PIN 8 ON E1 TO E16 ONLY IF 256K DRAMS ARE USED
INSTEAD OF 64K DRAMS.



DATA 102 S29	6.12.84 3
DATA BACK ADDRESS	B.2.84 2
FIRST ISSUE	30-11-82 1



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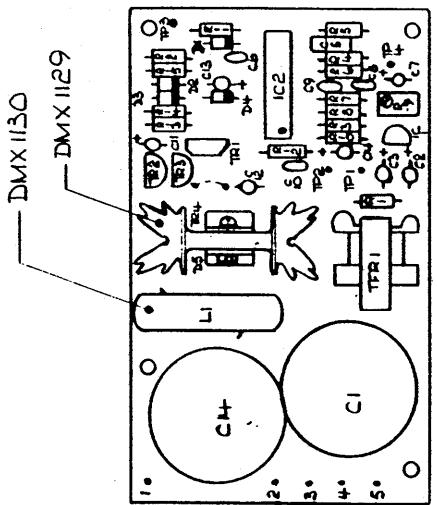
DRAWN
VB

DRG. No.
DMX69:2.
SHT 1

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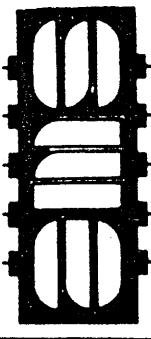
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SWITCHING P/S BOARD ASSY

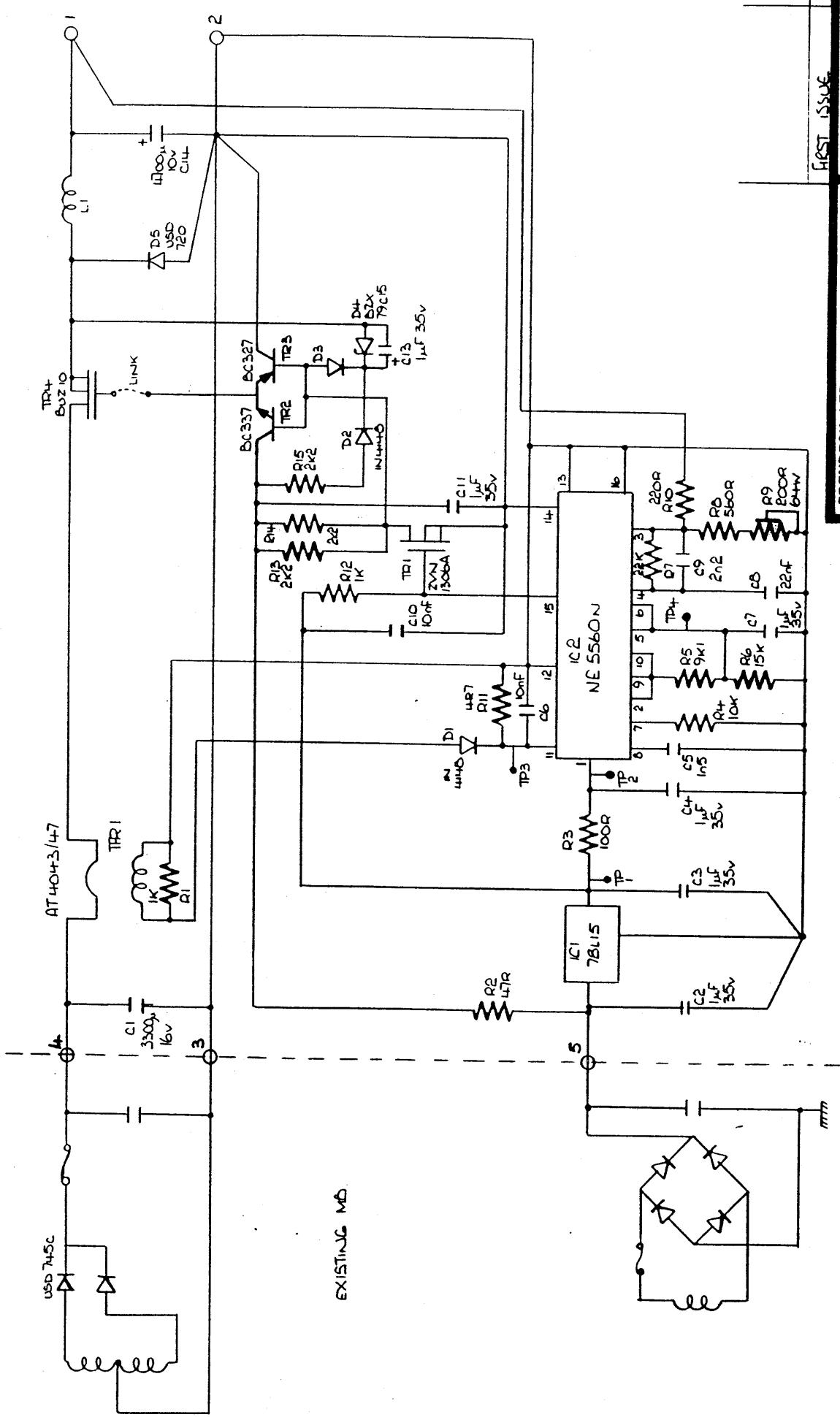


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FIRST ISSUE 10.10.83



DRG. No.	DMX79.1	SHT 2
DRAWN	1B	DATE 10.10.83



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First Issue
10.10.85

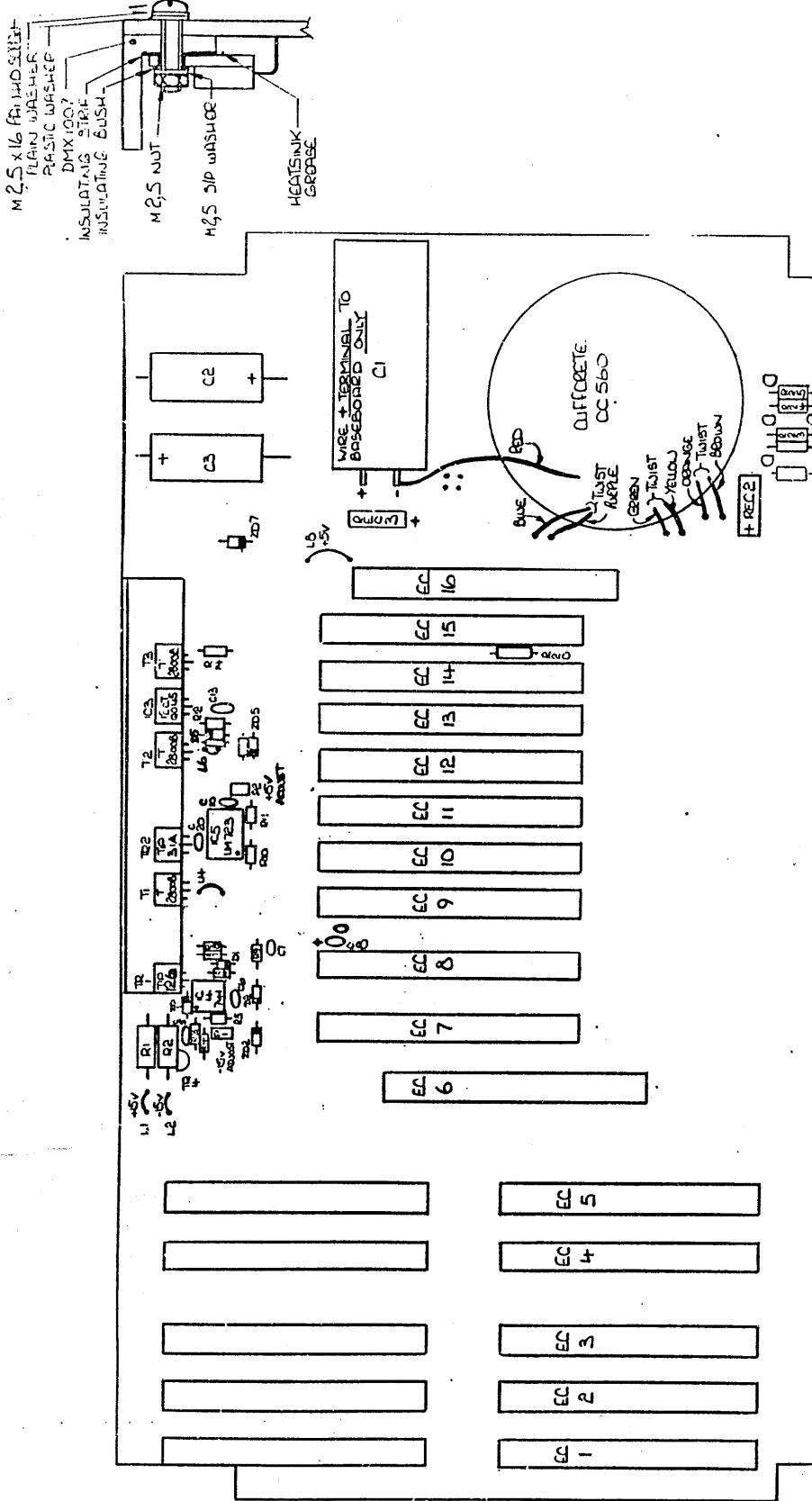
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DRG. No.
DMX79.1

DATE
10.10.85

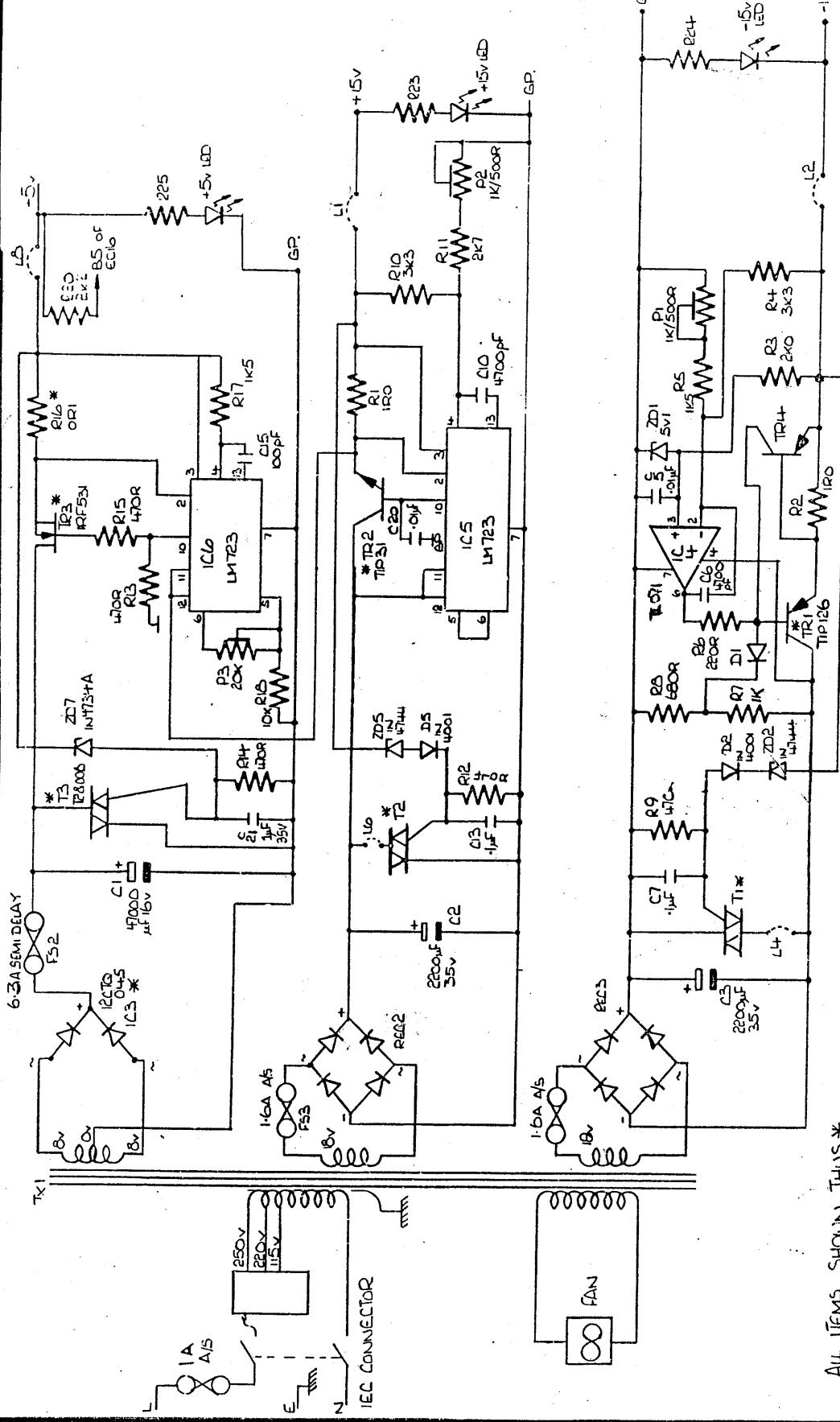
SHT 1



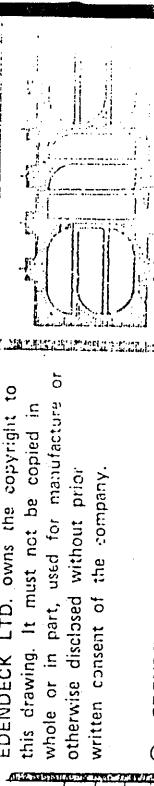
EDS Anti-vibration	15-12-82	5
183mA FUSE to Earth	16-7-82	5
CHANGES on Smt 3	6.5.82	4
To MULTE Smt 3	4.1.82	3
16K.68K Resistor	16-7-82	2
RESISTORS MOUNTED TO Lead Frame	16-2-82	1
FIRST ISSUED	5.3.81	1

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DRAWN VB DATE 5.6.81
C.R.G. No. SFX855-008 Sht 2



Ref. No.	Component	Value	Ref. No.	Component	Value
103	TRANSISTOR	16.732	5	TRANSISTOR	16.5.51
CHARGES ON SHOT 5	4.5.82	4	TEST	15.5.51	1
103	TRANSISTOR	16.732	5	TRANSISTOR	16.5.51
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DRAWN
S. A. E1

DRG. NO.
SFX855-008 Sht 3

DATE:
S. A. E1

ADVANCED MUSIC SYSTEMS, BURNLEY, ENGLAND.

POWER SUPPLIES

Advanced Music Systems, Burnley, England.

REF. NO. 56.531 D-1-B4

9

16K TANK CAPACITY 1.4.83 &

100ES MODELED TO ESD 10.2.63.7

1000S MODELED TO SWU 15.12.82/6

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