NSGDatacom

ENTERPRISE ACCESS SYSTEM (EAS)

PRODUCT LINE

Updated August 2009 / JMC

ENTERPRISE ACCESS SYSTEM
EAS PATCH

THE EAS CONCEPT

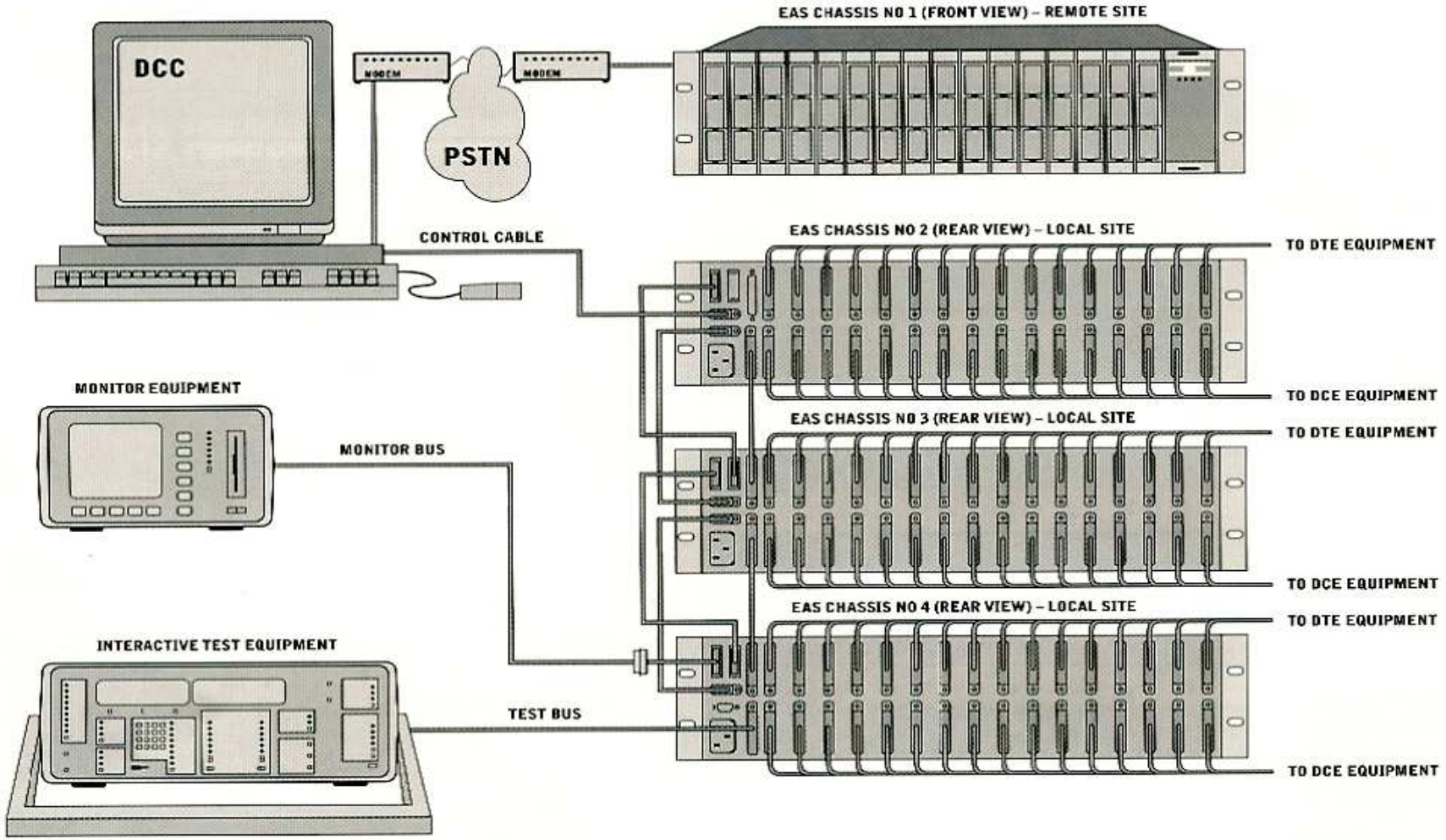
TO TAKE ADVANTAGE OF THE CHANGE IN MODERN NETWORKS FROM A CENTRALIZED TO A DECENTRALIZED TOPOLOGY, THE EAS PRODUCT RANGE PROVIDES USERS WITH REMOTE ACCESS FOR DISTRIBUTED TEST, MONITOR, ALARM, AND PATCH ACTIVITIES. THE EAS IS A LOCAL OR REMOTE CONTROL PLATFORM PROVIDING A CENTRALIZED POINT FOR WAN AND LAN MIXED NETWORKS.

THE EAS IS PART OF A FAMILY OF CONTROLLABLE PATCH PANEL PRODUCTS WHICH PROVIDES SOPHISTICATED ALARMING CAPABILITIES, ACCESS FOR INTERACTIVE TESTING AND SIMULTANEOUS PASSIVE MONITORING, REMOTE AND LOCAL ELECTRONIC PATCHING, AS WELL AS STANDARD PATCHING FEATURES USING DYNETCOM'S MARK 2 EPC PATCH CORDS. WAN AND LAN CIRCUITS CAN BE BE MIXED IN THE SAME CHASSIS PROVIDING THE USER A SINGLE POINT OF MANAGEMENT CONTROL. THIS IS ACHIEVED BY USING THE GUI BASED DYNETCOM CONTROL CONSOLE (DCC) SOFTWARE WHICH CAN EASILY ACCESS BOTH WAN AND LAN PERFORMANCE DATA, FAULT NOTIFICATION, AND HANDLE ELECTRONIC RECONFIGURATION TASKS.

HIGHLIGHTS

- ONE SINGLE NETWORK CONTROLLER FOR MULTIPLE SITES.
- SERIAL PORT CONTROL OF UP TO 4,080 LAN /WAN CHANNEL CARDS (255 CHASSIS).
- MULTIPLE CHASSIS CAN BE CHAINED TOGETHER.
- DIFFERENT WAN INTERFACES AS WELL AS LAN CHANNEL CARDS CAN BE MIXED IN THE SAME CHASSIS.
- 16 MBPS SIGNAL RATE.
- "DARK SITE" UNMANNED LOACTION APPLICATIONS EASILY MANAGED USING DIAL UP MODEM CONTROL.
- SINGLE BUSS AND DUAL BUSS VERSIONS OF CHANNEL CARDS AVAILABLE.
- ALL CHANNEL CARDS CAN BE HOT-INSERTED WHILE THE CHASSIS IS POWERED UP WITHOUT THE LOSS OF CONFIGURATION.
- CHASSIS POWER IS SUPPLIED BY EITHER A REMOVABLE UNIVERSAL AC POWER SUPPLY (90-250 VAC) OR A 48 VOLT DC VERSION.

A TYPICAL EAS APPLICATION



ENTERPRISE ACCESS SYSTEM
EAS DSX

THE EAS DSX CONCEPT

THE DYNETCOM EAS DSX (DIGITAL SIGNAL CROSS-CONNECT) WAS SPECIFICALLY DESIGNED FOR T1 AND E1 TROUBLE SHOOTING AND RECONFIGURATION REQUIREMENTS. THE RELAY-BASED SWITCHING CIRCUITS REPLICATE THE TEST CONNECTION FUNCTION ASSOCIATED WITH A MANUALLY OPERATED DSX PATCH PANEL. THE EAS DSX OFFERS EVEN MORE, WITH EITHER LOCAL OR REMOTE CONTROL OVER MODEM; TEST EQUIPMENT CAN BE CONNECTED TO ANY CHANNEL CARD'S TRANSMIT OR RECEIVE PATH. WHEN USED IN CONJUNTION WITH REMOTELY CONTROLLED TEST EQUIPMENT, TEST FUNCTIONS CAN BE INITIATED BY COMMANDS FROM THE DYNETCOM DSX CONTROL SOFTWARE AND THE TEST RESULTS CAN THEN BE DISPLAYED ON THE CONTROL SCREEN IN REAL TIME. ONE VERSION SUPPORTS TESTING OF 75 OHM UNBALANCED SIGNALS USING BNC CONNECTORS. THE SECOND VERSION USES DB15F CONNECTORS TO TEST 100 OHM BALANCED CIRCUITS. THE PROTOCOL-TRANSPARENT NATURE OF EAS DSX MAKES IT IDEAL FOR MAKING TEST CONNECTIONS TO T1, E1, ISDN, AND OTHER 4 WIRE DIGITAL OR ANALOG SIGNALS.

THE DYNETCOM DSX CONTROL SOFTWARE PRESENTS THE USER WITH CONTROL COMMANDS THAT, ONCE SELECTED , DISPLAYS A GRAPHIC PICTURE OF THE RECONFIGURATION OPERATION DESIRED, PROMPTING THE USER TO CONFIRM THE OPERATION.

HIGHLIGHTS

- MONITORS T1/E1 TRANSMIT AND RECEIVE PAIRS.
- BRIDGES ALL 4 SIGNAL LEADS TO A TEST DEVICE.
- PERFORMS DROP AND INSERT TESTS AT UNMANNED SITES.
- PERFORMS IN-SERVICE (PASSIVE) OR OUT-OF–SERVICE (INTERRUPTIVE) TESTS REMOTELY
- FREQUENCY RANGE UP TO 20MHZ.
- WINDOWS-BASED CONTROL SOFTWARE COMPATIBLE WITH LEADING TEST EQUIPMENT MANUFACTURERS.
- TWO TEST BUSES WHICH SUPPORT 4 SIGNAL LEADS.
- REMOTE PATCH CAPABILITY ALLOWS NEW OR BACKUP EQUIPMENT TO BE EASILY BROUGHT ONLINE.
- MAGNETICALLY LATCHING RELAYS MAINTAIN CIRCUIT INTEGRITY IN THE CASE OF POWER FAILURE.

EAS WAN
CHANNEL CARDS

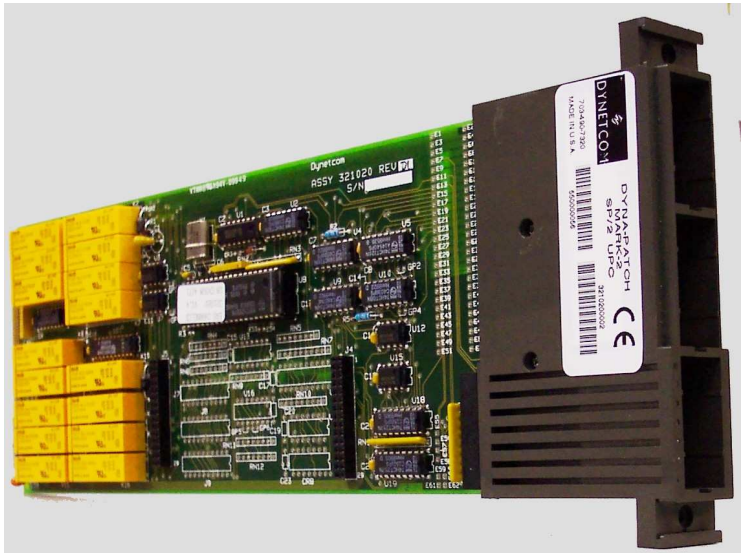
EAS WAN 1 BUS CHANNEL CARD

3210200001 **3210200003**		**EAS CHANNEL CARD SP/1 GRAY** **EAS CHANNEL CARD SP/1 TAN**	CHANNEL CARD HAS A 3 HOLE DYNAPATCH® MARK2 DIGITAL PATCH JACK AT FRONT FOR MANUAL PATCH AND MONITORING ACCESS. DETECTION CIRCUITS INDICATE THE LOCATION OF PATCH CORDS. INTEGRAL LEDS ALONGSIDE OF THE MONITOR HOLE OF THE PATCH JACK DISPLAYS THE STAUS OF THE TD, RD, RTS, CTS, AND DCD INTERFACE SIGNALS PLUS ONE BUS AND ONE ALARM. UP TO 2 USER-CONFIGURED INTERFACE ALARMS CAN BE SET. THE INTEGRA, 24 CIRCUIT CHASSIS TEST/MONITOR BUS (T BUS) IS AVAILABLE FOR PASSIVE MONITORING OF THE THROUGH CIRCUIT ONLY. NO TEST OR ELECTRONIC PATCH FACILITY IS AVAILABLE ON THIS CARD. THE LATCHING RELAYS MAINTAIN CIRCUIT INTEGRITY IN CASE OF POWER FAILURE. CHANNEL CARD IS AVAILABLE FOR THE V24, RS232 AND V35 INTERFACES ONLY AND DOES NOT NEED AN INTERFACE PERSONALITY MODULE. INTERFACE IS SELECTED USING JUMPERS ON THE CHANNEL CARD.

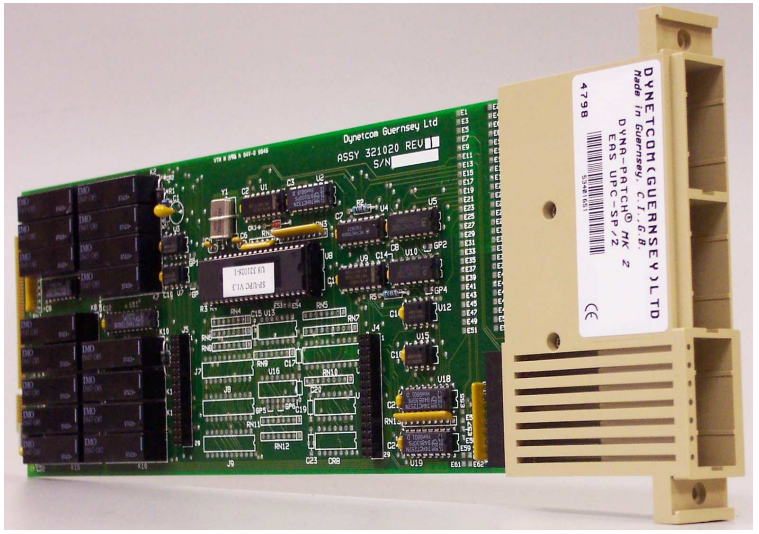
EAS WAN 2 BUS CHANNEL CARD

3210200002 **3210200004**		**EAS CHANNEL CARD SP/2 GRAY** **EAS CHANNEL CARD SP/2 TAN**	CHANNEL CARD HAS A 3 HOLE DYNAPATCH® MARK2 DIGITAL PATCH JACK AT FRONT FOR MANUAL PATCH AND MONITORING ACCESS. DETECTION CIRCUITS INDICATE THE LOCATION OF PATCH CORDS. INTEGRAL LEDS ALONGSIDE OF THE MONITOR HOLE OF THE PATCH JACK DISPLAY THE STATUS OF THE TD, RD, RTS, CTS, AND DCD INTERFACE SIGNALS PLUS ONE BUS AND ONE ALARM. UP TO 2 USER-CONFIGURED INTERFACE ALARMS CAN BE SET. TWO INTEGRAL CHASSIS BUSES ARE AVAILABLE. THE 16 CIRCUIT MONITOR BUS (M BUS) MAY BE CONNECTED FOR PASSIVE MONITORING. THE 24 CIRCUIT, TEST / MONITOR BUS (T BUS) MAY BE CONNECTED INTERACTIVELY TO THE DTE OR DCE SIDE OF THE INTERFACE OR PASSIVELY CONNECTED TO PROVIDE A SECOND MONITOR PATH.THE T-BUS IS ALSO USED FOR THE ELECTRONIC PATCH FACILITY. THE LATCHING RELAYS MAINTAIN CIRCUIT INTEGRITY IN CASE OF A POWER FAILURE. AN INTERFACE PERSONALITY MODULE (IPM) MUST BE FITTED TO THE CHANNEL CARD FOR THE TYPE INTERFACE DESIRED (V24, X21, V35, ETC).

EAS WAN 2 BUS CHANNEL CARD



SP/2 GRAY



SP/2 TAN

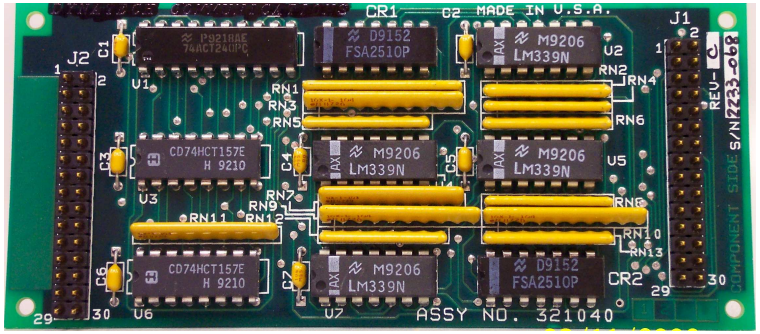
EAS WAN 2
INTERFACE PERSONALITY MODULES

EAS WAN 2 BUS CHANNEL CARD

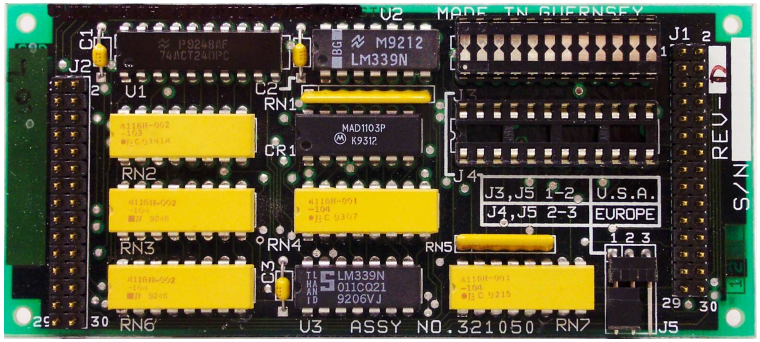
INTERFACE PERSONALITY MODULES

3210400001		**EAS V24 PERSONALITY MODULE**	THIS MODULE MOUNTS ON THE S/P 2 EAS 2-BUS CHANNEL CARD TO ADAPT IT FOR V24 (RS232) OPERATION. THIS MODULE CONTAINS THE CIRCUITRY TO ADAPT THE S/P 2 CHANNEL CARD FOR ALARM AND LED MONITORING AND THE SECOND BUS. THE SIGNALS MONITORED ARE RTS, CTS, DCD, TD, AND RD ON THE DCE CONNECTION.
3210500001		**EAS V35 PERSONALITY MODULE**	THIS MODULE MOUNTS ON THE S/P 2 EAS 2-BUS CHANNEL CARD TO ADAPT IT FOR V35 OPERATION. THIS MODULE CONTAINS THE CIRCUITRY TO ADAPT THE S/P 2 CHANNEL CARD FOR ALARM AND LED MONITORING AND THE SECOND BUS. EUORPEAN OR US V35 WIRING IS SET BY A HEADER AND A JUMPER ON THE PCB. THE SIGNALS MONITORED ARE RTS, CTS, DCD, TD, AND RD ON THE DCE CONNECTION.
3210600001		**EAS X21 PERSONALITY MODULE**	THIS MODULE MOUNTS ON THE S/P 2 EAS 2-BUS CHANNEL CARD TO ADAPT IT FOR X21, RS530/RS449 (V36) OPERATION. THIS MODULE CONTAINS THE CIRCUITRY TO ADAPT THE S/P 2 CHANNEL CARD FOR ALARM AND LED MONITORING AND THE SECOND BUS. X21 OR RS530/RS449 INTERFACE IS SET BY HEADERS ON THE PCB. THE SIGNALS MONITORED ARE TD, RD, C, I, AND S ON THE DCE CONNECTION.

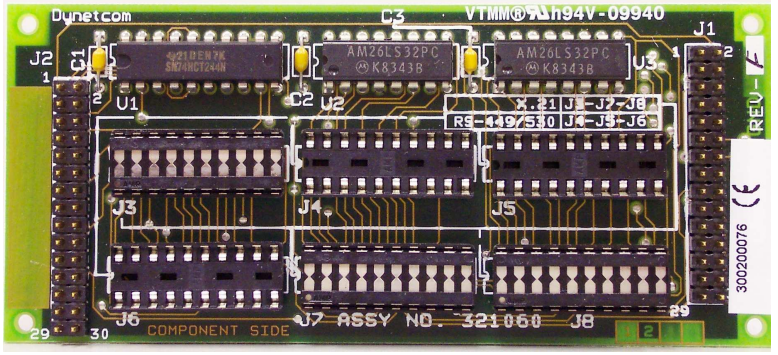
EAS WAN 2 BUS
CHANNEL CARD
INTERFACE PERSONALITY MODULES



V24 PERSONALITY MODULE



V35 PERSONALITY MODULE



X21 PERSONALITY MODULE

EAS WAN SP/1&2 BUS BOARD SETS

EAS WAN SP/1&2 BUS CHANNEL CARD

BOARD SETS

3220200001M **3221200001M**		**SP/2 CHANNEL CARD EAS RS-232+IPM GRAY** **SP/2 CHANNEL CARD EAS RS-232+IPM TAN**	THIS BOARD SET CONTAINS 1-3210200002 OR 1-3210200004 EAS CHANNEL CARD SP/2 AND 1-3210400001 EAS V24 PERSONALITY MODULE.
3220200002M **3221200002M**		**SP/2 CHANNEL CARD EAS V.35+IPM+ADTPR GRAY** **SP/2 CHANNEL CARD EAS V.35+IPM+ADTPR TAN**	THIS BOARD SET CONTAINS 1-3210200002 OR 1-3210200004 EAS CHANNEL CARD SP/2, 1-3210500001 EAS V35 PERSONALITY MODULE, AND 1-3211200001M 24M-V35F E EAS ADAPTER PAIR.
3220200003M **3221200003M**		**SP/2 CHANNEL CARD EAS X.21+IPM+ADTPR GRAY** **SP/2 CHANNEL CARD EAS X.21+IPM+ADTPR TAN**	THIS BOARD SET CONTAINS 1-3210200002 OR 1-3210200004 EAS CHANNEL CARD SP/2, 1-3210600001 EAS X21/449/530 INTERFACE MODULE, AND 2-6140072113 ADAPTER DB25M-DB15F X.21.
3220200004M **3221200004M**		**SP/2 CHANNEL CARD EAS RS530+IPM GRAY** **SP/2 CHANNEL CARD EAS RS530+IPM TAN S/P 2**	THIS BOARD SET CONTAINS 1-3210200002 OR 1-3210200004 EAS CHANNEL CARD SP/2, 1-3210600001 EAS X21/449/530 INTERFACE MODULE.
3220200005M **3221200005M**		**SP/2 CHANNEL CARD EAS RS-449+IPM+ADTPRS GRAY** **SP/2 CHANNEL CARD EAS RS-449+IPM+ADTPRS TAN**	THIS BOARD SET CONTAINS 1-3210200002 OR 1-3210200004 EAS CHANNEL CARD SP/2, 1-3210600001 EAS X21/449/530 INTERFACE MODULE, 2-6140072124 ADAPTER DB25M-DB37F, AND 1-2901000001153-EIA-MF-1 CABLE,RS232, 1 FOOT.
3220200006M **3221200006M**		**SP/1 CHANNEL CARD EAS V.35+IPM+ADTPR GRAY** **SP/1 CHANNEL CARD EAS V.35+IPM+ADTPR TAN**	THIS BOARD SET CONTAINS 1-3210200001 OR 1-3210200003 EAS CHANNEL CARD SP/1, AND 1-3211200001M 24M-V35F E EAS ADAPTER PAIR.

EAS LAN
CHANNEL CARDS

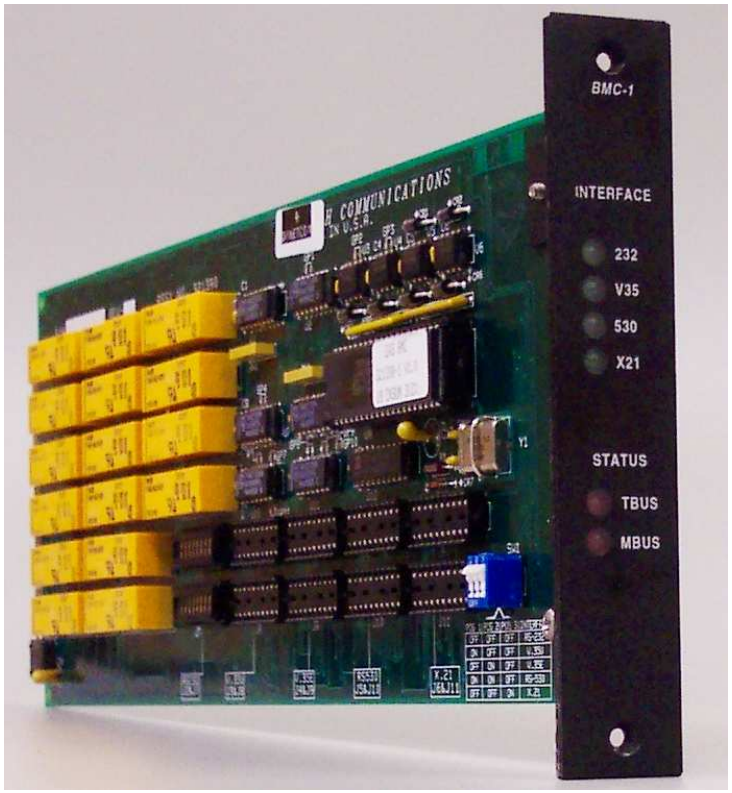
EAS LAN
CHANNEL CARDS

3216200001		**EAS AUI / UTP LAN CHANNEL CARD**	THE ETHERNET CONNECTION AND ACTIVITY / ALARM FEATURES FOR EITHER AUI OR UTP ARE USER SELECTABLE, BY SETTING OF ONE JUMPER. WHEN THE AUI SETTING IS SELECTED, THE CARD CAN BE USED, IN CONJUNCTION WITH THE APPROPRIATE TRANSCEIVER, FOR THE CONNECTION TO ANY ETHERNET MEDIA. POWER TO THE TRANSCEIVER IS MONITORED AND IF IT FAILS, AN ALARM IS TRIGGERED WHICH IS DISPLAYED ON THE FRONT OF THE CHANNEL CARD, CONTROLLER CARD, AND SENT TO THE REMOTE CONTROL SOFWARE. WHEN THE UTP SETTING IS SELECTED, THE CARD CAN BE USED FOR ANY CONNECTIONS MADE TO 10 BASE-T ETHERNET SEGMENTS. UTP OPERATES SIMILARLY TO AUI, EXCEPT THAT THE LINK SIGNAL IS MONITORED INSTEAD OF POWER. LINK IS A SIGNAL THAT MEANS SIMPLY THAT THERE IS A CONNECTION BETWEEN THE EAS AND THE HUB. IF FOR SOME REASON THE LINK IS BROKEN (i.e. A CABLE IS DISCONNECTED) THE ALARM IS TRIGGERED. NO MANUAL PATCH FACILITY IS PROVIDED.
3216200002		**EAS UTP LAN CHANNEL CARD**	OPERATES SAME AS DESCRIBED FOR THE UTP SETTING OF EAS AUI / UTP CHANNEL CARD. THE AUI SETTINGS ARE NOT SUPPORTED BY THIS CARD.

EAS LAN
CHANNEL CARDS

3216200003		**EAS AUI / UTP LAN CHANNEL CARD (NO ALARMS)**	THIS CARD FUNCTIONS EXACTLY AS DESCRIBED IN 3216200001 EAS AUI / UTP LAN CHANNEL CARD, EXCEPT, THAT THE ALARM / UTILIZATION FEATURE IS NOT SUPPORTED.
3216200004		**EAS AUI / 4-WIRE LAN CHANNEL CARD (NO ALARMS)**	OPERATES SAME AS DESCRIBED FOR THE UTP SETTING OF 3216200001 EAS AUI / UTP LAN CHANNEL CARD EXCEPT, THAT THE ALARM / UTILIZATION FEATURE IS NOT SUPPORTED. IT CAN ALSO BE USED IN UTP / STP TOKEN-RING APPLICATIONS USING THE D25 CHASSIS. THE CARD IS COMPLETELY PROTOCOL INDEPENDENT AND CAN BE USED FOR MANY LOW VOLTAGE SIGNAL SWITCHING APPLICATIONS.

EAS BMC CHANNEL CARD



EAS LAN
BOARD SET

EAS LAN
BOARD SET

3220200008M		**P/CRD EAS LAN AUI+ADAPTOR**	THIS BOARD SET CONTAINS A 3216200001 EAS AUI/UTP LAN CHANNEL CARD AND TWO 6140072118 ADAPTER EAS DB25M-DB15M.

EAS DSX

(DIGITAL SIGNAL CROSS-CONNECT)

CHANNEL CARDS

EAS DSX
CHANNEL CARDS

3217200001		**EAS DSX BNC CHANNEL CARD**	SUPPORTS 75 OHM UNBALANCED SIGNAL APPLICATIONS. THE ATTENUATION CIRCUIT REDUCES THE SIGNAL 21db WHEN MEASURED AT THE BUS CONNECTOR. THE FRONT PANEL DOES NOT HAVE A PHYSICAL PATCH JACK BUT HAS VARIOUS STATUS LEDS , PLUS A TRACER SWITCH AND A TRACER LED. TWO PAIRS OF 75 OHM BNC CONNECTORS ARE MOUNTED ON THE REAR EDGE OF THE CARD. ONE IS FOR CONNECTION OF THE Tx AND Rx SIGNAL PATHS TO THE TRANSMISSION EQUIPMENT, AND THE OTHER IS FOR ATTACHMENT OF CROSS CONNECT CABLES. THE CHANNEL CARDS ARE USED IN CROSS CONNECT PAIRS. PRESSING THE TRACER SWITCH IDENTIFIES THE OTHER CHANNEL CARD IN THE PAIR. EACH PAIR OF CABLES REQUIRES 2 STANDARD 75 OHM BNC CABLES FOR CROSS CONNECTION OF Rx AND Tx AND A 2 PIN JUMPER CABLE FOR THE TRACE FEATURE.
3217300001		**EAS DSX D15 CHANNEL CARD**	SUPPORTS 100 OHM BALANCED SIGNAL APPLICATIONS. THE ATTENUATION CIRCUIT REDUCES THE SIGNAL TO 14.5dB WHEN MEASURED AT THE BUS CONNECTOR. THE FRONT PANEL DOES NOT HAVE A PHYSICAL PATCH JACK BUT HAS VARIOUS STATUS LEDS , PLUS A TRACER SWITCH AND A TRACER LED. THE CHANNEL CARDS ARE USED IN CROSS CONNECT PAIRS. PRESSING THE TRACER SWITCH IDENTIFIES THE OTHER CHANNEL CARD IN THE PAIR.

EAS WAN / LAN CONTROLLER CARDS AND CONTROL FRONT PANELS

EAS WAN / LAN CONTROLLER CARDS

POSTIONS 17

3210300001		**EAS CONTROLLER CARD**	THIS CARD PROVIDES THE COMMUNICATION LINK FOR BOTH THE WAN AND LAN CHASSIS. THIS CARD ENABLES THE CHASSIS TO BE CONTROLLED LOCALLY IF THE CONTROL FRONT PANEL IS FITTED, OR REMOTELY BY EITHER DIRECT OR DIAL-UP MODEM OR AN X.25 CONNECTION. THE CONTROLLER CARD HAS 24K OF BATTERY BACK-UP RAM MEMORY. IT ALSO HAS BUILT IN SELF-TESTS FOR TESTING THE ALARM, LEDS, RAM, ROM, AND CLOCK CIRCUITS.
3210300002		**EAS CONTROLLER CARD T1/E1**	SAME OPERATION AS ABOVE, BUT USED TO CONTROL DSX CHASSIS.

EAS WAN / LAN CONTROL FRONT PANEL

POSTIONS 17/18

3210700001		**EAS F/PNL CONTROL MODULE**	THE OPTIONAL FRONT PANEL CONTROLLER ATTACHES TO THE FRONT OF THE WAN CHASSIS AND PLUGS INTO THE FRONT OF THE CONTROLLER CARD AND ALLOWS THE CHASSIS TO BE CONTROLLED LOCALLY. IT CONSISTS OF A 4-CHARACTER ALPHA NUMERIC DISPLAY , 4 PUSH BUTTON SWITCHES AND ARRAY OF STATUS LEDS. THE CONTROL FRONT PANEL ALLOWS FOR ALL CONTROL AND CONFIGURATION COMMANDS FROM IT BY USING PUSH BUTTON SWITCHES. A MENU OF THE COMMANDS CAN BE SCROLLED ON THE DISPLAY, THESE MENUS TYPICALLY CONTAIN 5 CHOICES WITH APPROXIMENTLY 5 LEVELS OF MENU. FOR EXTRA SECURITY , THE CONTROL FRONT PANEL CAN BE ENABLED OR DISABLED REMOTELY BY USING THE DCC SOFTWARE.
3210700002		**EAS F/PNL CONTROL MODULE [LAN]**	SAME AS ABOVE BUT CONFIGURED FOR THE LAN CHASSIS.
3210700002		**EAS F/PNL CONTROL MODULE [LAN]**	SAME AS ABOVE BUT CONFIGURED FOR THE DSX CHASSIS.

EAS WAN / LAN
CONTROL FRONT PANEL

POSTIONS 17/18

F/PNL CONTROL MODULE

EAS
FILLER PANELS

EAS BLANK FILLER PANELS

2002509001		**EPB-1 TAN**	FOR USE IN THE BROWN WAN CHASSIS AS FILLERS FOR EMPTY CHANNEL CARD SLOTS.
GTCB05209M		**EPB-1C/EPB-1 GREY**	FOR USE IN THE BLACK WAN CHASSIS AS FILLERS FOR EMPTY CHANNEL CARD SLOTS.
2002570001 **2002570005**		**MPB-1 BROWN** **MPB-1 BLACK**	DIGITAL PORT BLANKS THAT CAN BE PUSHED INTO EITHER THE COMP, MODEM OR MONITOR PATCH POSITIONS OF THE MARK 2 JACK TO STOP ACCESS TO THAT PARTICULAR PATCH JACK POSITION.
3210360001		**EAS FRONT PANEL BLANK**	FOR USE IN SLOTS 17 AND 18 ON ALL EAS CHASSIS WHEN AN EAS CONTROL FRONT PANEL IS NOT REQUIRED.
3210990001		**EAS LAN/DSX CHANNEL CARD BLANK**	FOR USE IN THE LAN/DSX CHASSIS AS FILLERS FOR EMPTY CHANNEL CARD SLOTS.

EAS BLANK FILLER MODULES

MPB-1 BROWN

MPB-1 BLACK

EPB-1 TAN

EPB-1C/EPB-1 GRAY

EAS CHASSIS

CUSTOMER TO SPECIFY POWER CORD TYPE WHEN PLACING ORDER

EAS WAN / LAN CHASSIS

3210000001 **3210000004**		**EAS WAN CHASSIS BLACK** **EAS WAN CHASSIS BROWN**	THIS IS A 3U HIGH, 19" WIDE CHASSIS THAT PROVIDES A MODULAR MEANS OF TEST, PLUS MONITORING OF UP TO 16 CHANNELS. THE CHASSIS MAY BE POPULATED WITH ANY MIX OF WAN OR LAN CHANNEL CARDS. WAN INTERFACE SUPPORT IS PROVIDED FOR V24 (RS232), V35, X21, RS449 AND RS530 INTERFACES. LAN INTERFACE SUPPORT IS PROVIDED FOR ETHERNET (802.3), 10 BASE T, 10 BASE 2, 10 BASE 5 AND TOKEN RING (802.5). ADAPTER KITS ARE AVAILABLE FOR THE PHYSICAL INTERFACE CONVERSIONS. THE CHASSIS COMES EQUIPPED WITH A REMOVABLE 90-250 VAC AUTO RANGING POWER SUPPLY. THE BACKPLANE FITTED TO THE CHASSIS HAS 32 DB25F CONNECTORS FOR THE CHANNEL CARDS, 2 DB25F CONNECTORS FOR THE TEST / MONITOR BUS (T BUS) OUTPUT, 2 HIGH DENSITY HD26F CONNECTORS FOR THE MONITOR BUS (M BUS) OUTPUT, AND DB9F CONNECTORS FOR THE REMOTE CONTROLLER. THE BUS AND CONTROL CONNECTORS ARE IN PAIRS FOR MULTIPLE CHASSIS CHAINING. CONNECTORS HAVE 440 CABLE MOUNTING HARDWARE ATTACHED. A CONTROLLER CARD IS REQUIRED FOR THE OPERATION OF THE CHASSIS. THE FRONT CONTROL PANEL MAY BE FITTED AS A OPTION FOR LOCAL CONTROL OR A FRONT PANEL BLANK FOR REMOTE SITE.
3210000003		**EAS WAN CHASSIS BLACK M2.6**	SAME AS 32100000001 EAS WAN CHASSIS BLACK EXCEPT THE CONNECTORS ON REAR PANEL HAVE M2.6 CABLE MOUNTING HARDWARE.
3210000002		**EAS LAN/BMC CHASSIS BLACK**	IDENTICAL TO THE WAN CHASSIS EXCEPT THERE IS NO INTERFACE LEAD SILKSCREEN ON THE LEFT MOUNTING EAR. THIS CHASSIS IS ONLY INTENDED FOR USE WITH THE EAS LAN AND EAS BNC CHANNEL CARDS.

EAS WAN / LAN CHASSIS

3212100001		**EAS WAN CHASSIS BLACK 48VDC**	IDENTICAL TO THE 32100000001 EAS WAN CHASSIS BLACK EXCEPT THAT IT IS EQUIPPED WITH A REMOVABLE 48VDC POWER SUPPLY.
3212100002		**EAS LAN/BMC CHASSIS BLACK 48VDC**	IDENTICAL TO THE 32121000001 EAS LAN/BMC CHASSIS BLACK EXCEPT IT IS EQUIPPED WITH A REMOVABLE 48VDC POWER SUPPLY.

EAS DSX CHASSIS’

3217000001		**EAS CHASSIS DSX-BNC**	THIS IS A 3U HIGH, 19” WIDE CHASSIS THAT WAS SPECIFICALLY DESIGN FOR USE WITH UP TO EIGHT PAIRS EAS DSX BNC CHANNEL CARDS. THE CHASSIS COMES WITH EQUIPPED WITH A REMOVABLE 90-250 VAC AUTO RANGING POWER SUPPLY. THE BNC CONNECTORS MOUNTED ON THE REAR OF THE EAS DSX BNC CHANNEL CARDS PROTRUDE THROUGH CUTOUTS IN THE METAL REAR PANEL OF THE CHASSIS. FOUR 75 OHM BNC CONNECTORS FOR BUS 1 AND BUS 2 AND TWO DB9F CONNECTORS FOR REMOTE CONTROLLER ARE MOUNTED ON THE REAR OF THE BACKPLANE AND PROTRUDE THROUGH THE REAR PANEL. THE BUS AND CONTROL CONNECTORS ARE IN PAIRS FOR MULTIPLE CHASSIS CHAINING. A CONTROLLER CARD WITH DSX FIRMWARE IS REQUIRED FOR THE OPERATION OF THE CHASSIS. THE FRONT CONTROL PANEL MAY BE FITTED AS AN OPTION FOR LOCAL CONTROL, OR A FRONT PANEL BLANK FOR REMOTE SITE.
3217000002		**EAS CHASSIS DSX-DB15**	THIS IS A 3U HIGH, 19” WIDE CHASSIS THAT WAS SPECIFICALLY DESIGN FOR USE WITH UP TO EIGHT PAIRS EAS DSX DB15 CHANNEL CARDS. THE CHASSIS COMES WITH EQUIPPED WITH A REMOVABLE 90-250 VAC AUTO RANGING POWER SUPPLY. THE BACKPLANE FITTED TO THE CHASSIS HAS 32 DB15F CONNECTORS FOR THE CHANNEL CARDS, 4 DB15F CONNECTORS FOR BUS 1 AND BUS 2 OUTPUTS, AND DB9F CONNECTORS FOR THE REMOTE CONTROLLER. THE BUS AND CONTROL CONNECTORS ARE IN PAIRS FOR MULTIPLE CHASSIS CHAINING. A CONTROLLER CARD WITH DSX FIRMWARE IS REQUIRED FOR THE OPERATION OF THE CHASSIS. THE FRONT CONTROL PANEL MAY BE FITTED AS AN OPTION FOR LOCAL CONTROL OR A FRONT PANEL BLANK FOR REMOTE SITE.

EAS DSX CHASSIS

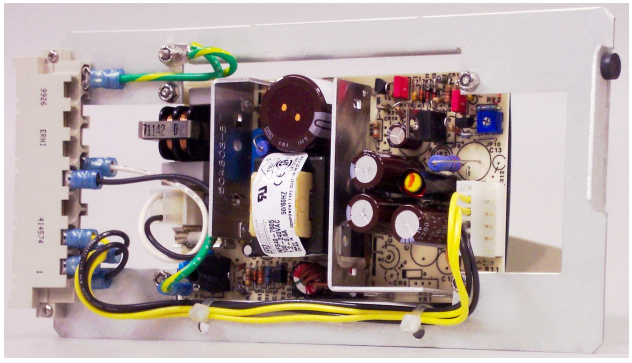
3212100003		**EAS CHASSIS DSX-BNC 48VDC**	IDENTICAL TO THE 32170000001 EAS DSX-BNC CHASSIS EXCEPT IT IS EQUIPPED WITH A REMOVABLE 48VDC POWER SUPPLY.
3212100004		**EAS CHASSIS DSX-DB15 48VDC**	IDENTICAL TO THE 32170000002 EAS DSX-DB15 CHASSIS EXCEPT IT IS EQUIPPED WITH A REMOVABLE 48VDC POWER SUPPLY.

EAS
POWER SUPPLIES

EAS POWER SUPPLIES

SPARES

3210020001		**EAS 90-250VAC POWER SUPPLY ASSEMBLY**	THIS POWER SUPPLY ASSEMBLY IS USED IN ALL EAS AC POWER CHASSIS. THE POWER SUPPLY ASSEMBLY HAS AN AUTO RANGING AC POWER SUPPLY WHICH RANGES FROM 90 TO 250 VOLTS. IT PROVIDES +5VDC,+12VDC AND -12VDC TO THE CHASSIS. IT IS MOUNTED VERTICALLY ALONGSIDE THE CONTROLLER CARD AND CAN BE EASILY REMOVED OR INSERTED WHEN THE CONTOL FRONT PANEL OR THE FRONT PANEL BLANK IS REMOVED.
3212480001		**EAS 48VDC POWER SUPPLY ASSEMBLY**	THIS POWER SUPPLY ASSEMBLY IS USED IN ALL EAS DC POWER CHASSIS. THE POWER SUPPLY ASSEMBLY OPERATES WITHIN THE RANGE OF 36VDC TO 72VDC WITH A NOMINAL OF 48VDC. IT PROVIDES +5VDC,+12VDC AND -12VDC TO THE CHASSIS. IT IS MOUNTED VERTICALLY ALONGSIDE THE CONTROLLER CARD AND CAN BE EASILY REMOVED OR INSERTED WHEN THE CONTROL FRONT PANEL OR THE FRONT PANEL BLANK IS REMOVED



90-250VAC

EAS INTERFACE ADAPTER KITS AND ADAPTERS

EAS INTERFACE ADAPTERS AND ADAPTER KITS

3219010001		**INTERFACE ADAPTER KIT V35[E]**	KIT CONSISTS OF TWO DB25M-V35F ADAPTERS. THE V.35 CONNECTORS ARE M34 WINCHESTER TYPE. EUROPEAN PIN-OUT.
3219020001		**INTERFACE ADAPTER KIT V35[U]**	KIT CONSISTS OF TWO DB25M-V35F ADAPTERS. THE V.35 CONNECTORS ARE M34 WINCHESTER TYPE. U.S. PIN-OUT.
3219000001		**INTERFACE ADAPTER KIT X21**	KIT CONSISTS OF TWO DB25M-DB15F ADAPTERS.
3219030001		**INTERFACE ADAPTER KIT RS449**	KIT CONSISTS OF TWO DB25M-DB37F ADAPTERS WITH ONE 1 FOOT DB25M-DB25F EXTENDER CABLE TO ALLOW FOR PHYSCIAL DIMENSIONS OF THE DB37 CONNECTORS.
6140072113		**X.21 ADAPTER**	ADAPTER IS DB25M TO DB15F.
6140072127		**V.35E ADAPTER**	ADAPTER IS DB25MTO V35F WINCHESTER WITH EUORPEAN MARK 2 PIN-OUT.
6140072125		**V.35U ADAPTER**	ADAPTER IS DB25MTO V35F WINCHESTER WITH USA MARK 2 PIN-OUT.
6140072124		**RS-449 ADAPTER**	ADAPTER IS DB25M TO DB37F.
2901000001		**CABLE RS232 EXT 1 FOOT**	EXTENSION CABLE TO BE USED WITH 6140072124 RS-449 ADAPTER.
6140072118		**EAS ETHERNET AUI LAN ADAPTER**	ADAPTER IS DB25MTO DB15M.
6140072134		**EAS UTP ADAPTER**	ADAPTER IS DB25M TO RJ45F.

EAS INTERFACE ADAPTERS AND ADAPTER KITS

6140072114		**RS-530 TEST/MONITOR ADAPTER**	ADAPTER IS DB25M TO DB25F.
6140072115		**X.21 TEST/MONITOR ADAPTER**	ADAPTER IS DB25M TO DB15F.
6140072128		**V.35 TEST/MONITOR ADAPTER**	ADAPTER IS DB35M TO V35WF U/E.

EAS
CABLES

EAS CABLES

3211800001		**PC TO EAS CONTROL CABLE**	DB25F TO DB9M, 25 FOOT LONG CONTROL CABLE FOR DIRECT CONNECTION FROM A PC SERIAL PORT TO THE CONTROL PORT ON AN EAS WAN, EAS LAN OR EAS DSX CHASSIS.
3211810001		**MODEM TO EAS CONTROL CABLE**	DB25F TO DB9M, 25 FOOT LONG CONTROL CABLE USED FOR DIAL-UP MODEM CONTROL OF AN EAS WAN, EAS LAN OR EAS DSX CHASSIS . IT CONNECTS BETWEEN THE MODEM'S DATA PORT AND THE CHASSIS CONTROL PORT.
6170010178		**EAS WAN/LAN M BUSS ACESS CABLE**	HDB26M TO DB25F, 1 FOOT LONG CABLE USED TO CONNECT A DATASCOPE OR ANALYSER TO THE MONITOR BUS (M BUS) CONNECTOR OF AN EAS WAN OR EAS LAN CHASSIS.
6170010185		**EAS WAN/LAN M BUSS ACESS CABLE**	HDB26M TO DB25M, 2 FOOT LONG CABLE USED TO CONNECT THE MONITOR BUS (M BUS) CONNECTOR ON AN EAS WAN OR EAS LAN CHASSIS TO A BUS MANAGEMENT CHANNEL PORT.
3213930001		**EAS BMC CABLE ADAPTER V.35E**	DB25F TO DB25M, 1 FOOT LONG CABLE WHICH ADAPTS EAS MONITOR BUS OUTPUTS TO V.35 EUROPEAN MARK 2 PIN-OUTS FOR USE ON THE BMC CHASSIS.
3213940001		**EAS BMC CABLE ADAPTER RS-530**	DB25F TO DB25M, 1 FOOT LONG CABLE WHICH ADAPTS EAS MONITOR BUS OUTPUTS TO RS-530 INTERFACE PIN-OUTS FOR USE ON THE BMC CHASSIS
3213960001		**EAS BMC CABLE ADAPTER X.21**	DB25F TO DB25M, 1 FOOT LONG CABLE WHICH ADAPTS EAS MONITOR BUS OUTPUTS TO X.21 INTERFACE PIN-OUTS FOR USE ON THE BMC CHASSIS
3213970001		**EAS BMC CABLE ADAPTER V.35U**	DB25F TO DB25M, 1FOOT LONG CABLE WHICH ADAPTS EAS MONITOR BUS OUTPUTS TO V.35 USA MARK 2 PIN-OUTS FOR USE ON THE BMC CHASSIS.
3217230001		**EAS DSX CROSS CONNECT CABLE**	DSX DB15 1 FOOT, CROSS CONNECT CABLE (PAIR REQUIRED).

EAS CHAINING CABLES

EAS CHAINING CABLES

3211900001		**EAS CHAINING CABLE 2FT**	D9M TO DB9M, 2 FOOT LONG CABLE USED TO INTERCONNECT PORTS OF EAS WAN, EAS LAN OR EAS DSX CHASSIS.
3211900002		**EAS CHAINING CABLE 6FT**	SAME AS ABOVE BUT 6 FOOT LONG CABLE.
6170010179		**EAS M BUS CHAINING CABLE**	HDB26M TO HDB26M, 2 FOOT LONG CABLE CHAINING THE MONITOR BUS (M BUS) OUTPUTS BETWEEN EAS WAN CHASSIS AND EAS LAN (D25F) CHASSIS.
3217240001		**EAS DSX D15 BUS CHAINING CABLE**	DB15M TO DB15M 2 FOOT LONG CABLE USED TO INTERCONNECT BUS OUTPUTS BETWEEN EAS DSX D15 CHASSIS ONLY. UP TO 5 CHASSIS CAN BE CHAINED TOGETHER.
2901010002		**EAS T BUS CHAINING CABLE**	DB25M TO DB25M, 2 FOOT LONG CABLE CHAINING THE TEST/MONITOR BUS (T BUS) OUTPUTS BETWEEN EAS WAN CHASSIS AND EAS LAN (D25F) CHASSIS.

EAS
PAK
CONFIGURATIONS

EAS WAN PAK'S

PART NUMBER	PRICE	DESCRIPTION	CHASSIS	CHANNEL CARDS	LOCAL	REMOTE	INTERFACE ADAPTERS
3210030001		PAK-EAS-SP1-RS232-1 BLK	WAN	SP/1-GRAY	YES	YES	NO
3210030002		PAK-EAS-SP1-V35U-A-1 BLK	WAN	SP/1-GRAY	YES	YES	YES
3210030003		PAK-EAS-SP1-V35E-A-1 BLK	WAN	SP/1-GRAY	YES	YES	YES
3210030004		PAK-EAS-SP2-RS232-1 BLK	WAN	SP/2-GRAY	YES	YES	NO
3210030005		PAK-EAS-SP2-V35U-A-1 BLK	WAN	SP/2-GRAY	YES	YES	YES
3210030006		PAK-EAS-SP2-V35E-A-1 BLK	WAN	SP/2-GRAY	YES	YES	YES
3210030007		PAK-EAS-SP2-X21-1 BLK	WAN	SP/2-GRAY	YES	YES	NO
3210030008		PAK-EAS-SP2-X21-A-1 BLK	WAN	SP/2-GRAY	YES	YES	YES
3210030009		PAK-EAS-SP1-V35U-1 BLK	WAN	SP/1-GRAY	YES	YES	NO
3210030010		PAK-EAS-SP1-V35E-1 BLK	WAN	SP/1-GRAY	YES	YES	NO
3210030011		PAK-EAS-SP2-RS530-1 BLK	WAN	SP/2-GRAY	YES	YES	NO
3210030012		PAK-EAS-SP2-RS449-A-1 BLK	WAN	SP/2-GRAY	YES	YES	YES
3210030013		PAK-EAS-SP2-RS449-1 BLK	WAN	SP/2-GRAY	YES	YES	NO
3210030014		PAK-EAS-SP2-V35U-1 BLK	WAN	SP/2-GRAY	YES	YES	NO
3210030015		PAK-EAS-SP2-V35E-1 BLK	WAN	SP/2-GRAY	YES	YES	NO

EAS WAN PAK'S

PART NUMBER	PRICE	DESCRIPTION	CHAS SIS	CHANNEL CARDS	LOCAL	REMOTE	INTERFACE ADAPTERS
3210030016		PAK-EAS-SP1-RS232-1 BRN	WAN	SP/1-TAN	YES	YES	NO
3210030017		PAK-EAS-SP1-V35U-A-1 BRN	WAN	SP/1- TAN	YES	YES	YES
3210030018		PAK-EAS-SP1-V35E-A-1 BRN	WAN	SP/1- TAN	YES	YES	YES
3210030019		PAK-EAS-SP2-RS232-1 BRN	WAN	SP/2- TAN	YES	YES	NO
3210030020		PAK-EAS-SP2-V35U-A-1 BRN	WAN	SP/2-TAN	YES	YES	YES
3210030021		PAK-EAS-SP2-V35E-A-1 BRN	WAN	SP/2-TAN	YES	YES	YES
3210030022		PAK-EAS-SP2-X21-1 BRN	WAN	SP/2-TAN	YES	YES	NO
3210030023		PAK-EAS-SP2-X21-A-1 BRN	WAN	SP/2-TAN	YES	YES	YES
3210030024		PAK-EAS-SP1-V35U-1 BRN	WAN	SP/1-TAN	YES	YES	NO
3210030025		PAK-EAS-SP1-V35E-1 BRN	WAN	SP/1-TAN	YES	YES	NO
3210030026		PAK-EAS-SP2-RS530-1 BRN	WAN	SP/2-TAN	YES	YES	NO
3210030027		PAK-EAS-SP2-RS449-A-1 BRN	WAN	SP/2-TAN	YES	YES	YES
3210030028		PAK-EAS-SP2-RS449-1 BRN	WAN	SP/2-TAN	YES	YES	NO
3210030029		PAK-EAS-SP2-V35U-1 BRN	WAN	SP/2-TAN	YES	YES	NO
3210030030		PAK-EAS-SP2-V35E-1 BRN	WAN	SP/2-TAN	YES	YES	NO

EAS WAN PAKS

PART NUMBER	PRICE	DESCRIPTION	CHASSIS	CHANNEL CARDS	LOCAL	REMOTE	INTERFACE ADAPTERS
3210030101		PAK-EAS-SP1-RS232 BLK	WAN	SP/1-GRAY	NO	YES	NO
3210030102		PAK-EAS-SP1-V35U-A BLK	WAN	SP/1-GRAY	NO	YES	YES
3210030103		PAK-EAS-SP1-V35E-A BLK	WAN	SP/1-GRAY	NO	YES	YES
3210030104		PAK-EAS-SP2-RS232 BLK	WAN	SP/2-GRAY	NO	YES	NO
3210030105		PAK-EAS-SP2-V35U-A BLK	WAN	SP/2-GRAY	NO	YES	YES
3210030106		PAK-EAS-SP2-V35E-A BLK	WAN	SP/2-GRAY	NO	YES	YES
3210030107		PAK-EAS-SP2-X21 BLK	WAN	SP/2-GRAY	NO	YES	NO
3210030108		PAK-EAS-SP2-X21-A BLK	WAN	SP/2-GRAY	NO	YES	YES
3210030109		PAK-EAS-SP1-V35U BLK	WAN	SP/1-GRAY	NO	YES	NO
3210030110		PAK-EAS-SP1-V35E BLK	WAN	SP/1-GRAY	NO	YES	NO
3210030111		PAK-EAS-SP2-RS530 BLK	WAN	SP/2-GRAY	NO	YES	NO
3210030112		PAK-EAS-SP2-RS449-A BLK	WAN	SP/2-GRAY	NO	YES	YES
3210030113		PAK-EAS-SP2-RS449 BLK	WAN	SP/2-GRAY	NO	YES	NO
3210030114		PAK-EAS-SP2-V35U BLK	WAN	SP/2-GRAY	NO	YES	NO
3210030115		PAK-EAS-SP2-V35E BLK	WAN	SP/2-GRAY	NO	YES	NO

EAS WAN PAKS

PART NUMBER	PRICE	DESCRIPTION	CHAS SIS	CHANNEL CARDS	LOCAL	REMOTE	INTERFACE ADAPTERS
3210030116		PAK-EAS-SP1-RS232 BRN	WAN	SP/1-TAN	NO	YES	NO
3210030117		PAK-EAS-SP1-V35U-A BRN	WAN	SP/1- TAN	NO	YES	YES
3210030118		PAK-EAS-SP1-V35E-A BRN	WAN	SP/1- TAN	NO	YES	YES
3210030119		PAK-EAS-SP2-RS232 BRN	WAN	SP/2- TAN	NO	YES	NO
3210030120		PAK-EAS-SP2-V35U-A BRN	WAN	SP/2-TAN	NO	YES	YES
3210030121		PAK-EAS-SP2-V35E-A BRN	WAN	SP/2-TAN	NO	YES	YES
3210030122		PAK-EAS-SP2-X21 BRN	WAN	SP/2-TAN	NO	YES	NO
3210030123		PAK-EAS-SP2-X21-A BRN	WAN	SP/2-TAN	NO	YES	YES
3210030124		PAK-EAS-SP1-V35U BRN	WAN	SP/1-TAN	NO	YES	NO
3210030125		PAK-EAS-SP1-V35E BRN	WAN	SP/1-TAN	NO	YES	NO
3210030126		PAK-EAS-SP2-RS530 BRN	WAN	SP/2-TAN	NO	YES	NO
3210030127		PAK-EAS-SP2-RS449-A BRN	WAN	SP/2-TAN	NO	YES	YES
3210030128		PAK-EAS-SP2-RS449 BRN	WAN	SP/2-TAN	NO	YES	NO
3210030129		PAK-EAS-SP2-V35U BRN	WAN	SP/2-TAN	NO	YES	NO
3210030130		PAK-EAS-SP2-V35E BRN	WAN	SP/2-TAN	NO	YES	NO

EAS LAN / DSX PAKS

PART NUMBER	PRICE	DESCRIPTION	CHASSIS	CHANNEL CARDS	LOCAL	REMOTE
3210030031		PAK-EAS-BMC-1	LAN / BMC	BMC	YES	YES
3210030032		PAK-EAS-AUI/UTP-LAN-1	LAN / BMC	AUI / UTP	YES	YES
3210030033		PAK-EAS-UTP-LAN -1	LAN / BMC	UTP	YES	YES
3210030034		PAK-EAS-AUI / UTP-LAN/NA-1	LAN / BMC	AUI/UTP NO ALARM	YES	YES
3210030035		PAK-EAS-AUI / 4WI-LAN/NA-1	LAN / BMC	UTP / 4-WIRE NO ALARM	YES	YES
3210030036		PAK-EAS-DSX-D15-1	DSX-D15	DSX-D15	YES	YES
3210030037		PAK-EAS-DSX-BNC-1	DSX-BNC	DSX-BNC	YES	YES
3210030131		PAK-EAS-BMC	LAN / BMC	BMC	NO	YES
3210030132		PAK-EAS-AUI/UTP-LAN	LAN / BMC	AUI / UTP	NO	YES
3210030133		PAK-EAS-UTP-LAN	LAN / BMC	UTP	NO	YES
3210030134		PAK-EAS-AUI / UTP-LAN/NA	LAN / BMC	AUI/UTP NO ALARM	NO	YES
3210030135		PAK-EAS-AUI / 4WI-LAN/NA	LAN / BMC	UTP / 4-WIRE NO ALARM	NO	YES
3210030136		PAK-EAS-DSX-D15	DSX-D15	DSX-D15	NO	YES
3210030137		PAK-EAS-DSX-BNC	DSX-BNC	DSX-BNC	NO	YES

EAS
ACCESSORIES

ACCESSORIES

2002550001		**DESIGNATION STRIP PAPER**	FOR USE IN ALL EAS/WAN CHASSIS SOLD IN U.S. AND JAPAN.
2002550002		**DESIGNATION STRIP CLEAR MYLAR**	FOR USE IN ALL EAS/WAN CHASSIS SOLD IN U.S. AND JAPAN.
G280A05281		**DESIGNATION STRIP**	FOR USE IN ALL EAS/WAN CHASSIS SOLD IN COUNTRIES OTHER THAN U.S. AND JAPAN
6510031604		**SELF TAPPING MOUNTING SCREW BLACK**	FOR MOUNTING MODULES IN ALL EAS CHASSIS.

ENTERPRISE ACCESS SYSTEM
EAS A/B

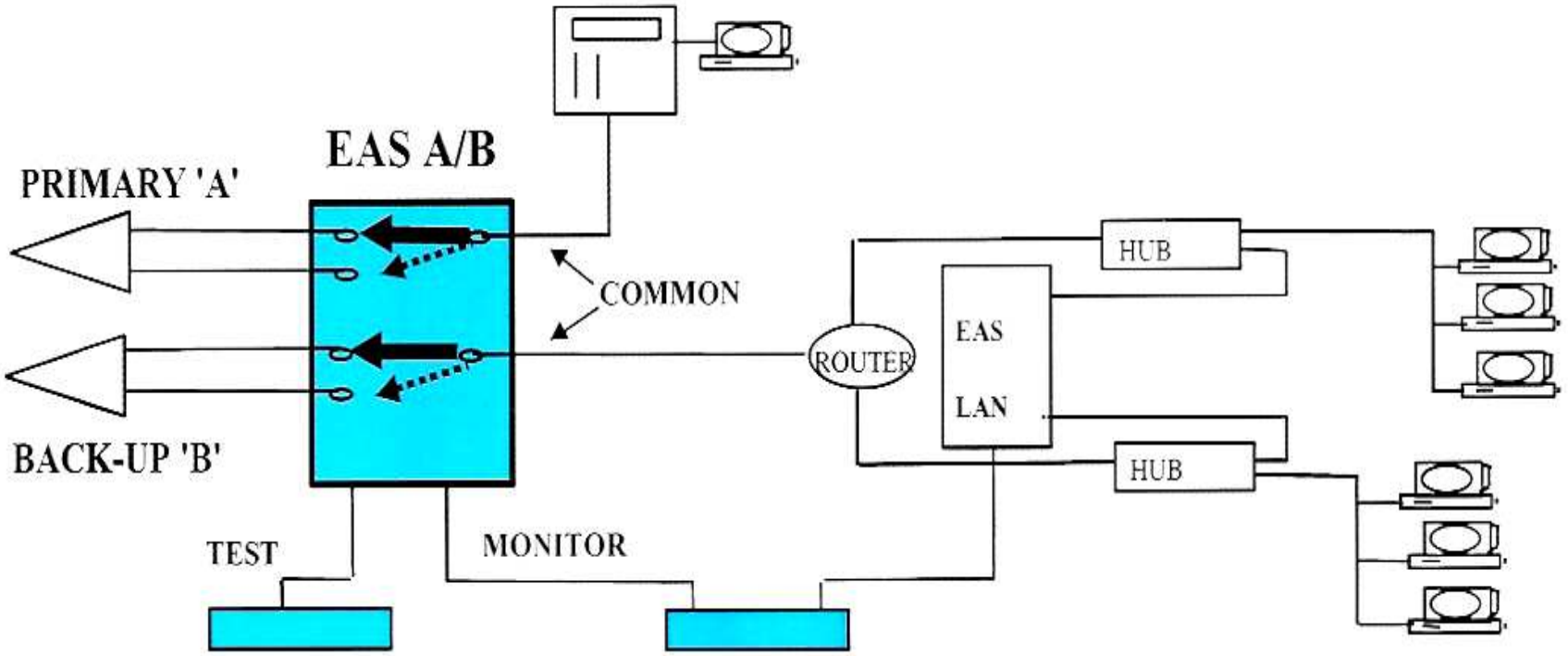
THE EAS A/B CONCEPT

THE EAS A/B ADDS AUTOMATIC SWITCHING CAPABILITY TO THE LOCAL OR REMOTELY CONTROLLED TEST AND MONITOR FUNCTIONS AND SOPHISTICATED SIGNAL LEAD ALARMIING FUNCTIONS OF THE EAS FAMILY OF PRODUCTS. TEST AND MONITORING EQUIPMENT CAN BE CONNECTED TO ANY CHANNEL CARD'S A, B, OR C PORT VIA A LOCAL OR REMOTE COMMAND, ALLOWING TROUBLESHOOTING OF ON-LINE OR OFF-LINE EQUIPMENT. THE EAS A/B SWITCHING CIRCUITS ARE PROTOCOL INDEPENDENT, ALLOWING TEST EQUIPMENT TO BE SWITCHED TO DATA LINES AS IF DIRECTLY CONNECTED TO THE CHANNEL. THE MONITOR BUS (M BUS) IS 'BUFFERED,' ALLOWING HIGH SPEED CIRCUITS TO BE SAFELY MONITORED, AND ALSO RE-DRIVES THE MONITORED SIGNAL, MAXIMIZING THE DISTANCE BETWEEN THE DATASCOPE AND THE EAS A/B CHASSIS. BY LOCALLY OR REMOTELY CONNECTING TWO PORTS TO THE TEST BUS (T BUS) AN ELECTRONIC PATCH IS ESTABLISHED BETWEEN THEM; EITHER WITHIN THE SAME CHASSIS OR ACROSS MULTIPLE CHASSIS AT A SITE. TWO SIGNAL INTERFACE ALARMS CAN BE DEFINED FROM THE EIGHT INTERFACE SIGNALS MONITORED BY EACH CHANNEL CARD. CHANNEL CARDS SUPPORTING V.24 (RS232), V.35, X.21 (V11), RS-449 AND RS-530 INTERFACES ARE AVAILABLE AND ANY MIX MAY BE INSTALLED IN THE EAS A/B V.24 CHASSIS. THREE OTHER CHASSIS ARE AVAILABLE BUT ARE LIMITED TO THEIR SPECIFIC INTERFACE; V.35U CHASSIS (MARK 2 V.35 USA PIN-OUT), V.35E CHASSIS (MARK 2 V.35 EUROPEAN PIN-OUT), AND AN X.21CHASSIS. THE CHANNEL CARDS COME WITH DYNETCOM MARK 2 3 HOLE JACKBODIES ALLOWING MANUAL PATCHING ACCESS, USING A DYNETCOM EPC PATCH CORD, TO THE A, B, AND C CONNECTIONS. THE C (COMMON) PATCH HOLE MAY ALSO FUNCTION FOR MONITORING, USING A DYNETCOM EPC PATCH CORD BY DEPRESSING A PUSHBUTTON SWITCH ON THE FRONT OF THE MOUNTING EAR OF THE CHANNEL CARD.

HIGHLIGHTS

- 16 CHANNELS PER CHASSIS, V.24, V.35, X.21, RS-449 AND RS-530.
- SINGLE CHANNEL OR GROUP SWITCHING.
- PROGRAMMABLE ALARM DETECT AND AUTO SWITCH OVER.
- REMOTELY MONITOR AND TEST SIMULTANEOUSLY.
- BULT IN SELF-DIAGNOSTICS, WITH FULL LOCAL OR REMOTE CONTROL.
- P.C. BASED G.U.I. MANAGEMENT CONTROL SOFTWARE. (DCC).
- TWO ALARMS ON 8 INTERFACE LEADS PER CHANNEL CARD.
- HORIZONTAL AND VERTICAL INTERLOCK.
- WIDE RANGE REMOVABLE AC POWER SUPPLY. A SECOND POWER SUPPLY CAN BE ORDERED, TO ADD A "BACK-UP" POWER SUPPLY TO THE EAS A/B CHASSIS.

A TYPICAL EAS A/B APPLICATION



EAS A/B
CHANNEL CARDS

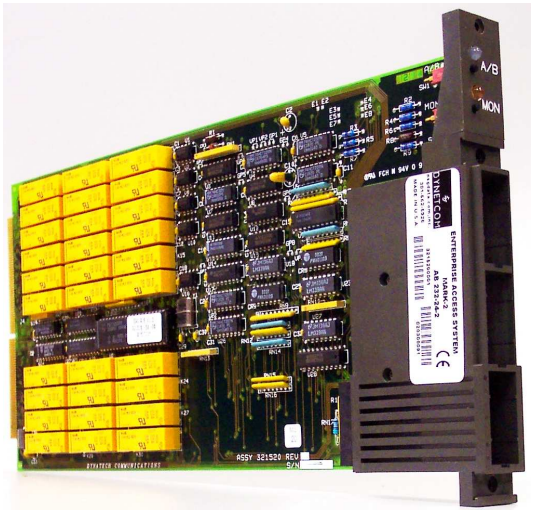
EAS A/B V24
CHANNEL CARD

3215200004		**AB-CH-232-24-1 CHANNEL CARD**	THIS IS THE 24 CIRCUIT RS-232, SINGLE BUS CHANNEL CARD THAT HAS A 3 HOLE DYNAPATCH® MARK2 DIGITAL PATCH JACK, FRONT, FOR MANUAL PATCH AND MONITORING ACCESS. THIS IS DONE BY INSERTING THE DYNAPATCH® MARK2 EPC PATCH CORD INTO THE DTE A, DTE B, OR DCE HOLES BREAKING THE NORMAL-THROUGH CONNECTION AND PROVIDES CONNECTION TO THE RELATED REAR PANEL CONNECTOR. DETECTION CIRCUITS INDICATE LOCATION OF PATCH CORDS. INTEGRAL LEDS ALONGSIDE OF THE DCE/MON HOLE DISPLAYS THE STATUS OF 5 INTERFACE SIGNALS (RTS, CTS, DCD, TD, & RD), PLUS 1 BUS AND 1 ALARM. AN A/B PUSH BUTTON SWITCH WITH A RED/GREEN STATUS ALLOWS LOCAL SWITCHING BETWEEN DTE A, AND DTE B AND THE RED/GREEN LED PROVIDING STATUS FOR WHICH CIRCUIT IS ACTIVE. THE MON PUSH BUTTON SWITCH ALLOWS FOR THE DCE HOLE TO BECOME A MONITOR HOLE, USING AN EPC PATCH CORD TO LOCAL MONITORING EQUIPMENT WITHOUT BREAKING THE NORMAL-THROUGH CONNECTION. THE SINGLE BUS CHANNEL CARD PROVIDES ACCESS TO THE 16 CIRCUIT , BUFFERED MONITOR BUS (M BUS) FOR PASSIVE MONITORING OF THE THROUGH CIRCUIT ONLY. THE ELECTRONIC PATCH FACILITIY IS NOT SUPPORTED ON THE SINGLE BUS CHANNEL CARDS.
3215200005		**AB-CH-232-16-1 CHANNEL CARD**	THIS IS THE 16 CIRCUIT VERSION OF THE RS-232, SINGLE BUS CHANNEL CARD THAT HAS THE SAME FEATURES AS THE 24 CIRCUIT RS-232, SINGLE BUS CHANNEL CARD, WHERE 24 CIRCUITS ARE NOT REQUIRED.
3215200006		**AB-CH-232-12-1 CHANNEL CARD**	THIS IS THE 12 CIRCUIT VERSION OF THE RS-232, SINGLE BUS CHANNEL CARD THAT HAS THE SAME FEATURES AS THE 24 CIRCUIT RS-232, SINGLE BUS CHANNEL CARD. , WHERE 24 CIRCUITS ARE NOT REQUIRED.

EAS A/B V24
CHANNEL CARD

3215200001		**AB-CH-232-24-2 CHANNEL CARD**	THIS IS THE 24 CIRCUIT RS-232, TWO BUS CHANNEL CARD THAT HAS A 3 HOLE DYNAPATCH® MARK2 DIGITAL PATCH JACK, FRONT, FOR MANUAL PATCH AND MONITORING ACCESS. THIS IS DONE BY INSERTING THE DYNAPATCH® MARK2 EPC PATCH CORD INTO THE DTE A, DTE B, OR DCE HOLES BREAKING THE NORMAL-THROUGH CONNECTION AND PROVIDES CONNECTION TO THE RELATED REAR PANEL CONNECTOR. DETECTION CIRCUITS INDICATE LOCATION OF PATCH CORDS. INTEGRAL LEDS ALONGSIDE OF THE DCE/MON HOLE DISPLAYS THE STATUS OF 5 INTERFACE SIGNALS (RTS, CTS, DCD, TD, & RD), PLUS 1 BUS AND 1 ALARM. AN A/B PUSH BUTTON SWITCH WITH A RED/GREEN STATUS ALLOWS LOCAL SWITCHING BETWEEN DTE A, AND DTE B AND THE RED/GREEN LED PROVIDING STATUS WHICH CIRCUIT IS ACTIVE. THE MON PUSH BUTTON SWITCH ALLOWS FOR THE DCE HOLE TO BECOME A MONITOR HOLE, USING AN EPC PATCH CORD TO LOCAL MONITORING EQUIPMENT WITHOUT BREAKING THE NORMAL-THROUGH CONNECTION. THE TWO BUS CHANNEL CARD PROVIDES ACCESS TO THE 16 CIRCUIT , BUFFERED MONITOR BUS (M BUS) FOR PASSIVE MONITORING OF THE THROUGH CIRCUIT AND ALSO PROVIDES ACCESS TO THE 24 CIRCUIT TEST/ MONITOR BUS (T BUS) FOR INTERACTIVE TESTING TOWARDS THE DTE OR DCE SIDE OR ALTERNATIVELY AS A SECOND PASSIVE NON-BUFFERED MONITOR BUS. THE ELECTRONIC PATCH FACILITIY IS SUPPORTED ON THE TWO BUS CHANNEL CARDS.
3215200002		**AB-CH-232-16-2 CHANNEL CARD**	THIS IS THE 16 CIRCUIT VERSION OF THE RS-232, TWO BUS CHANNEL CARD THAT HAS THE SAME FEATURES AS THE 24 CIRCUIT RS-232, TWO BUS CHANNEL CARD, WHERE 24 CIRCUITS ARE NOT REQUIRED.
3215200003		**AB-CH-232-12-2 CHANNEL CARD**	THIS IS THE 12 CIRCUIT VERSION OF THE RS-232, TWO BUS CHANNEL CARD THAT HAS THE SAME FEATURES AS THE 24 CIRCUIT RS-232, TWO BUS CHANNEL CARD. , WHERE 24 CIRCUITS ARE NOT REQUIRED.

EAS A/B V24
CHANNEL CARD



232-24-2

EAS A/B V35
CHANNEL CARD

3215500003 **3215500006**		**AB-CH-V35U-0 CHANNEL CARD** **AB-CH-V35E-0 CHANNEL CARD**	THIS IS THE V.35, ZERO BUS CHANNEL CARD THAT HAS A 3 HOLE DYNAPATCH® MARK2 DIGITAL PATCH JACK FRONT FOR MANUAL PATCH AND MONITORING ACCESS. THIS IS DONE BY INSERTING THE DYNAPATCH® MARK2 EPC PATCH CORD INTO THE DTE A, DTE B, OR DCE HOLES BREAKING THE NORMAL-THROUGH CONNECTION AND PROVIDES CONNECTION TO THE RELATED REAR PANEL CONNECTOR. DETECTION CIRCUITS INDICATE LOCATION OF PATCH CORDS. INTEGRAL LEDS ALONGSIDE OF THE DCE/MON HOLE DISPLAYS THE STATUS OF 5 INTERFACE SIGNALS (RTS, CTS, RLSD, SD, & RD), PLUS 1 BUS AND 1 ALARM. AN A/B PUSH BUTTON SWITCH WITH A RED/GREEN STATUS ALLOWS LOCAL SWITCHING BETWEEN DTE A, AND DTE B AND THE RED/GREEN LED PROVIDES STATUS FOR WHICH CIRCUIT IS ACTIVE. THE MON PUSH BUTTON SWITCH ALLOWS FOR THE DCE HOLE TO BECOME A MONITOR HOLE, USING AN EPC PATCH CORD TO LOCAL MONITORING EQUIPMENT WITHOUT BREAKING THE NORMAL-THROUGH CONNECTION. THE ZERO BUS CHANNEL CARD PROVIDES NO BUSS MONITORING. THE ELECTRONIC PATCH FACILITIY IS NOT SUPPORTED ON THE ZERO BUS CHANNEL CARDS.

E VERSION FOR USE WITH EUROPEAN V.35 PIN OUT
U VERSION FOR USE WITH UNITED STATES V.35 PIN OUT

EAS A/B V35
CHANNEL CARD

3215500002 **3215500005**		**AB-CH-V35U-1 CHANNEL CARD** **AB-CH-V35E-1 CHANNEL CARD**	THIS IS THE V.35, SINGLE BUS CHANNEL CARD THAT HAS A 3 HOLE DYNAPATCH® MARK2 DIGITAL PATCH JACK FRONT FOR MANUAL PATCH AND MONITORING ACCESS. THIS IS DONE BY INSERTING THE DYNAPATCH® MARK2 EPC PATCH CORD INTO THE DTE A, DTE B, OR DCE HOLES BREAKING THE NORMAL-THROUGH CONNECTION AND PROVIDES CONNECTION TO THE RELATED REAR PANEL CONNECTOR. DETECTION CIRCUITS INDICATE LOCATION OF PATCH CORDS. INTEGRAL LEDS ALONGSIDE OF THE DCE/MON HOLE DISPLAYS THE STATUS OF 5 INTERFACE SIGNALS (RTS, CTS, RLSD, SD, & RD), PLUS 1 BUS AND 1 ALARM. AN A/B PUSH BUTTON SWITCH WITH A RED/GREEN STATUS ALLOWS LOCAL SWITCHING BETWEEN DTE A, AND DTE B AND THE RED/GREEN LED PROVIDING STATUS FOR WHICH CIRCUIT IS ACTIVE. THE MON PUSH BUTTON SWITCH ALLOWS FOR THE DCE HOLE TO BECOME A MONITOR HOLE, USING AN EPC PATCH CORD TO LOCAL MONITORING EQUIPMENT WITHOUT BREAKING THE NORMAL-THROUGH CONNECTION. THE SINGLE BUS CHANNEL CARD PROVIDES ACCESS TO THE 16 CIRCUIT , BUFFERED MONITOR BUS (M BUS) FOR PASSIVE MONITORING OF THE THROUGH CIRCUIT ONLY. THE ELECTRONIC PATCH FACILITIY IS NOT SUPPORTED ON THE SINGLE BUS CHANNEL CARDS.

E VERSION FOR USE WITH EUROPEAN V.35 PIN OUT

U VERSION FOR USE WITH UNITED STATES V.35 PIN OUT

EAS A/B V35 CHANNEL CARD

3215500001 **3215500004**		**AB-CH-V35U-2 CHANNEL CARD** **AB-CH-V35E-2 CHANNEL CARD**	THIS IS THE V.35 TWO-BUS CHANNEL CARD THAT HAS A 3 HOLE DYNAPATCH® MARK2 DIGITAL PATCH JACK IN FRONT FOR MANUAL PATCH AND MONITORING ACCESS. THIS IS DONE BY INSERTING THE DYNAPATCH® MARK2 EPC PATCH CORD INTO THE DTE A, DTE B, OR DCE HOLES BREAKING THE NORMAL-THROUGH CONNECTION AND PROVIDES CONNECTION TO THE RELATED REAR PANEL CONNECTOR. DETECTION CIRCUITS INDICATE LOCATION OF PATCH CORDS. INTEGRAL LEDS ALONGSIDE OF THE DCE/MON HOLE DISPLAYS THE STATUS OF 5 INTERFACE SIGNALS (RTS, CTS, RLSD, SD, & RD), PLUS 1 BUS AND 1 ALARM. AN A/B PUSH BUTTON SWITCH WITH A RED/GREEN STATUS ALLOWS LOCAL SWITCHING BETWEEN DTE A, AND DTE B AND THE RED/GREEN LED PROVIDING STATUS FOR WHICH CIRCUIT IS ACTIVE. THE MON PUSH BUTTON SWITCH ALLOWS FOR THE DCE HOLE TO BECOME A MONITOR HOLE, USING AN EPC PATCH CORD TO LOCAL MONITORING EQUIPMENT WITHOUT BREAKING THE NORMAL-THROUGH CONNECTION. THE TWO-BUS CHANNEL CARD PROVIDES ACCESS TO THE 16 CIRCUIT , BUFFERED MONITOR BUS (M BUS) FOR PASSIVE MONITORING OF THE THROUGH CIRCUIT AND ALSO PROVIDES ACCESS TO THE 24 CIRCUIT TEST/ MONITOR BUS (T BUS) FOR INTERACTIVE TESTING TOWARDS THE DTE OR DCE SIDE OR ALTERNATIVELY AS A SECOND PASSIVE NON-BUFFERED MONITOR BUS. THE ELECTRONIC PATCH FACILITIY IS SUPPORTED ON THE TWO BUS CHANNEL CARDS.

E VERSION FOR USE WITH EUROPEAN V.35 PIN OUT

U VERSION FOR USE WITH UNITED STATES V.35 PIN OUT

EAS A/B X.21 CHANNEL CARD

3215800003		**AB-CH-X.21-0 CHANNEL CARD**	THIS IS THE X.21, ZERO BUS CHANNEL CARD THAT HAS A 3 HOLE DYNAPATCH® MARK2 DIGITAL PATCH JACK IN FRONT FOR MANUAL PATCH AND MONITORING ACCESS. THIS IS DONE BY INSERTING THE DYNAPATCH® MARK2 EPC PATCH CORD INTO THE DTE A, DTE B, OR DCE HOLES, BREAKING THE NORMAL-THROUGH CONNECTION AND PROVIDES CONNECTION TO THE RELATED REAR PANEL CONNECTOR. DETECTION CIRCUITS INDICATE LOCATION OF PATCH CORDS. INTEGRAL LEDS ALONGSIDE OF THE DCE/MON HOLE DISPLAYS THE STATUS OF 5 INTERFACE SIGNALS (T, R, C, I, & S), PLUS 1 BUS AND 1 ALARM. AN A/B PUSH BUTTON SWITCH WITH A RED/GREEN STATUS ALLOWS LOCAL SWITCHING BETWEEN DTE A, AND DTE B AND THE RED/GREEN LED PROVIDING STATUS FOR WHICH CIRCUIT IS ACTIVE. THE MON PUSH BUTTON SWITCH ALLOWS FOR THE DCE HOLE TO BECOME A MONITOR HOLE, USING AN EPC PATCH CORD TO LOCAL MONITORING EQUIPMENT WITHOUT BREAKING THE NORMAL-THROUGH CONNECTION. THE ZERO BUS CHANNEL CARD PROVIDES NO BUSS MONITORING. THE ELECTRONIC PATCH FACILITIY IS NOT SUPPORTED ON THE ZERO BUS CHANNEL CARDS

EAS A/B X.21 CHANNEL CARD

3215800002		**AB-CH-X.21-1 CHANNEL CARD**	THIS IS THE X.21, SINGLE BUS CHANNEL CARD THAT HAS A 3 HOLE DYNAPATCH® MARK2 DIGITAL PATCH JACK IN FRONT FOR MANUAL PATCH AND MONITORING ACCESS. THIS IS DONE BY INSERTING THE DYNAPATCH® MARK2 EPC PATCH CORD INTO THE DTE A, DTE B, OR DCE HOLES, BREAKING THE NORMAL-THROUGH CONNECTION AND PROVIDES CONNECTION TO THE RELATED REAR PANEL CONNECTOR. DETECTION CIRCUITS INDICATE LOCATION OF PATCH CORDS. INTEGRAL LEDS ALONGSIDE OF THE DCE/MON HOLE DISPLAYS THE STATUS OF 5 INTERFACE SIGNALS (T, R, C, I, & S), PLUS 1 BUS AND 1 ALARM. AN A/B PUSH BUTTON SWITCH WITH A RED/GREEN STATUS ALLOWS LOCAL SWITCHING BETWEEN DTE A, AND DTE B AND THE RED/GREEN LED PROVIDING STATUS FOR WHICH CIRCUIT IS ACTIVE. THE MON PUSH BUTTON SWITCH ALLOWS FOR THE DCE HOLE TO BECOME A MONITOR HOLE, USING AN EPC PATCH CORD TO LOCAL MONITORING EQUIPMENT WITHOUT BREAKING THE NORMAL-THROUGH CONNECTION. THE SINGLE BUS CHANNEL CARD PROVIDES ACCESS TO THE 16 CIRCUIT BUFFERED MONITOR BUS (M BUS) FOR PASSIVE MONITORING OF THE THROUGH CIRCUIT ONLY. THE ELECTRONIC PATCH FACILITIY IS NOT SUPPORTED ON THE SINGLE BUS CHANNEL CARDS.

EAS A/B X.21 CHANNEL CARD

3215800001		**AB-CH-X.21-2 CHANNEL CARD**	THIS IS THE X.21, TWO-BUS CHANNEL CARD THAT HAS A 3 HOLE DYNAPATCH® MARK2 DIGITAL PATCH JACK IN FRONT FOR MANUAL PATCH AND MONITORING ACCESS. THIS IS DONE BY INSERTING THE DYNAPATCH® MARK2 EPC PATCH CORD INTO THE DTE A, DTE B, OR DCE HOLES, BREAKING THE NORMAL-THROUGH CONNECTION AND PROVIDES CONNECTION TO THE RELATED REAR PANEL CONNECTOR. DETECTION CIRCUITS INDICATE LOCATION OF PATCH CORDS. INTEGRAL LEDS ALONGSIDE OF THE DCE/MON HOLE DISPLAYS THE STATUS OF 5 INTERFACE SIGNALS (T, R, C, I, & S), PLUS 1 BUS AND 1 ALARM. AN A/B PUSH BUTTON SWITCH WITH A RED/GREEN STATUS ALLOWS LOCAL SWITCHING BETWEEN DTE A, AND DTE B AND THE RED/GREEN LED PROVIDES STATUS FOR WHICH CIRCUIT IS ACTIVE. THE MON PUSH BUTTON SWITCH ALLOWS FOR THE DCE HOLE TO BECOME A MONITOR HOLE, USING AN EPC PATCH CORD TO LOCAL MONITORING EQUIPMENT WITHOUT BREAKING THE NORMAL-THROUGH CONNECTION. THE TWO BUS CHANNEL CARD PROVIDES ACCESS TO THE 16 CIRCUIT BUFFERED MONITOR BUS (M BUS) FOR PASSIVE MONITORING OF THE THROUGH CIRCUIT AND ALSO PROVIDES ACCESS TO THE 24 CIRCUIT TEST/ MONITOR BUS (T BUS) FOR INTERACTIVE TESTING TOWARDS THE DTE OR DCE SIDE OR ALTERNATIVELY AS A SECOND PASSIVE NON-BUFFERED MONITOR BUS. THE ELECTRONIC PATCH FACILITIY IS SUPPORTED ON THE TWO BUS CHANNEL CARDS.

EAS A/B RS530/449 CHANNEL CARD

3215800006		**AB-CH-530/449-0 CHANNEL CARD**	THIS IS THE RS530 / RS449, ZERO BUS CHANNEL CARD THAT HAS A 3 HOLE DYNAPATCH® MARK2 DIGITAL PATCH JACK IN FRONT FOR MANUAL PATCH AND MONITORING ACCESS. THIS IS DONE BY INSERTING THE DYNAPATCH® MARK2 EPC PATCH CORD INTO THE DTE A, DTE B, OR DCE HOLES, BREAKING THE NORMAL-THROUGH CONNECTION AND PROVIDES CONNECTION TO THE RELATED REAR PANEL CONNECTOR. DETECTION CIRCUITS INDICATE LOCATION OF PATCH CORDS. INTEGRAL LEDS ALONGSIDE OF THE DCE/MON HOLE DISPLAYS THE STATUS OF 5 INTERFACE SIGNALS (RTS, CTS, DCD, TD, & RD), PLUS 1 BUS AND 1 ALARM. AN A/B PUSH BUTTON SWITCH WITH A RED/GREEN STATUS ALLOWS LOCAL SWITCHING BETWEEN DTE A AND DTE B, AND THE RED/GREEN LED PROVIDES STATUS FOR WHICH CIRCUIT IS ACTIVE. THE MON PUSH BUTTON SWITCH ALLOWS FOR THE DCE HOLE TO BECOME A MONITOR HOLE, USING AN EPC PATCH CORD TO LOCAL MONITORING EQUIPMENT WITHOUT BREAKING THE NORMAL-THROUGH CONNECTION. THE ZERO BUS CHANNEL CARD PROVIDES NO BUSS MONITORING. THE ELECTRONIC PATCH FACILITIY IS NOT SUPPORTED ON THE SINGLE BUS CHANNEL CARDS.

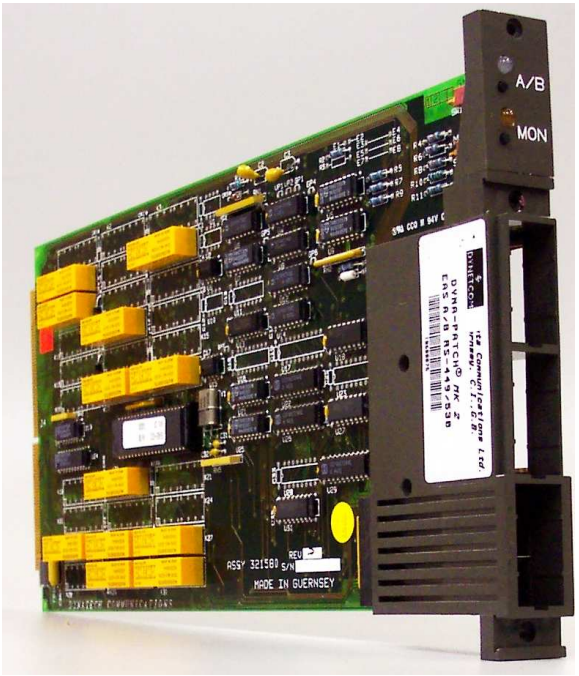
EAS A/B RS530/449 CHANNEL CARD

3215800005		**AB-CH-530/449-1 CHANNEL CARD**	THIS IS THE RS530 / RS449, SINGLE BUS CHANNEL CARD THAT HAS A 3 HOLE DYNAPATCH® MARK2 DIGITAL PATCH JACK IN FRONT FOR MANUAL PATCH AND MONITORING ACCESS. THIS IS DONE BY INSERTING THE DYNAPATCH® MARK2 EPC PATCH CORD INTO THE DTE A, DTE B, OR DCE HOLES, BREAKING THE NORMAL-THROUGH CONNECTION AND PROVIDES CONNECTION TO THE RELATED REAR PANEL CONNECTOR. DETECTION CIRCUITS INDICATE LOCATION OF PATCH CORDS. INTEGRAL LEDS ALONGSIDE OF THE DCE/MON HOLE DISPLAYS THE STATUS OF 5 INTERFACE SIGNALS (RTS, CTS, DCD, TD, & RD), PLUS 1 BUS AND 1 ALARM. AN A/B PUSH BUTTON SWITCH WITH A RED/GREEN STATUS ALLOWS LOCAL SWITCHING BETWEEN DTE A, AND DTE B, AND THE RED/GREEN LED PROVIDES STATUS FOR WHICH CIRCUIT IS ACTIVE. THE MON PUSH BUTTON SWITCH ALLOWS FOR THE DCE HOLE TO BECOME A MONITOR HOLE, USING AN EPC PATCH CORD TO LOCAL MONITORING EQUIPMENT WITHOUT BREAKING THE NORMAL-THROUGH CONNECTION. THE SINGLE BUS CHANNEL CARD PROVIDES ACCESS TO THE 16 CIRCUIT BUFFERED MONITOR BUS (M BUS) FOR PASSIVE MONITORING OF THE THROUGH CIRCUIT ONLY. THE ELECTRONIC PATCH FACILITIY IS SUPPORTED ON THE TWO BUS CHANNEL CARDS.

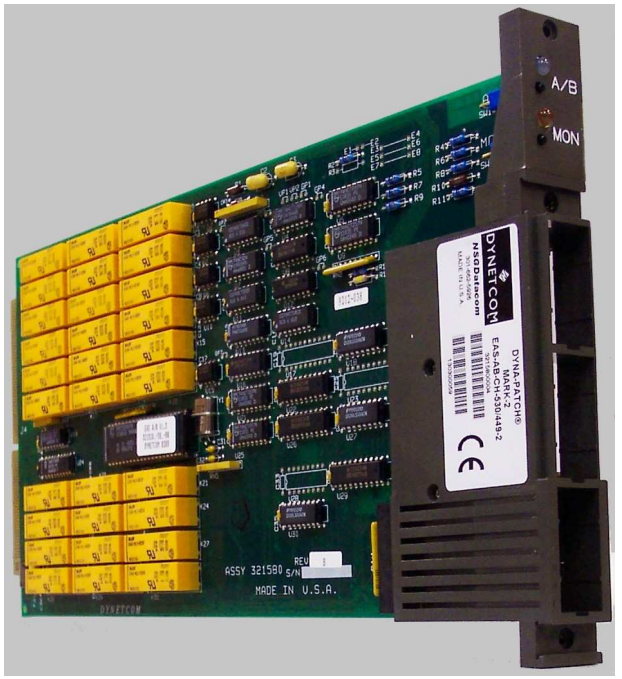
EAS A/B RS530/449 CHANNEL CARD

3215200001		**AB-CH-530/449-2 CHANNEL CARD**	THIS IS THE RS530 / RS449, TWO BUS CHANNEL CARD THAT HAS A 3 HOLE DYNAPATCH® MARK2 DIGITAL PATCH JACK IN FRONT FOR MANUAL PATCH AND MONITORING ACCESS. THIS IS DONE BY INSERTING THE DYNAPATCH® MARK2 EPC PATCH CORD INTO THE DTE A, DTE B, OR DCE HOLES, BREAKING THE NORMAL-THROUGH CONNECTION AND PROVIDES CONNECTION TO THE RELATED REAR PANEL CONNECTOR. DETECTION CIRCUITS INDICATE LOCATION OF PATCH CORDS. INTEGRAL LED'S ALONGSIDE OF THE DCE/MON HOLE DISPLAYS THE STATUS OF 5 INTERFACE SIGNALS (RTS, CTS, DCD, TD, & RD), PLUS 1 BUS AND 1 ALARM. AN A/B PUSH BUTTON SWITCH WITH A RED/GREEN STATUS ALLOWS LOCAL SWITCHING BETWEEN DTE A AND DTE B, AND THE RED/GREEN LED PROVIDES STATUS FOR WHICH CIRCUIT IS ACTIVE. THE MON PUSH BUTTON SWITCH ALLOWS FOR THE DCE HOLE TO BECOME A MONITOR HOLE, USING AN EPC PATCH CORD TO LOCAL MONITORING EQUIPMENT WITHOUT BREAKING THE NORMAL-THROUGH CONNECTION. THE TWO BUS CHANNEL CARD PROVIDES ACCESS TO THE 16 CIRCUIT , BUFFERED MONITOR BUS (M BUS) FOR PASSIVE MONITORING OF THE THROUGH CIRCUIT AND ALSO PROVIDES ACCESS TO THE 24 CIRCUIT TEST/ MONITOR BUS (T BUS) FOR INTERACTIVE TESTING TOWARDS THE DTE OR DCE SIDE OR ALTERNATIVELY AS A SECOND PASSIVE NON-BUFFERED MONITOR BUS. THE ELECTRONIC PATCH FACILITIY IS SUPPORTED ON THE TWO BUS CHANNEL CARDS.

EAS A/B RS530/449 CHANNEL CARD



RS530/449-1



RS530/449-2

EAS A/B
CONTROLLER CARDS
AND
CONTROL FRONT PANELS

EAS A/B CONTROLLER CARDS

POSTIONS 17

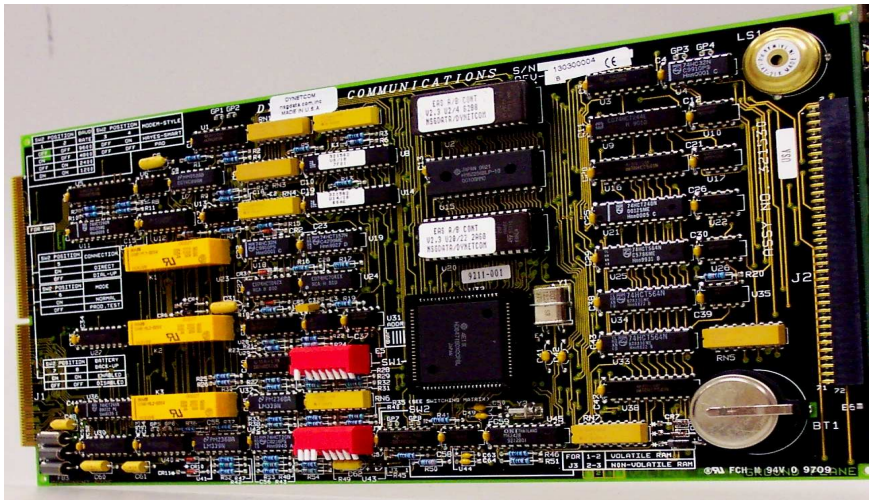
3215300001		**EAS A/B-CC-232 CONTROL CARD**	THIS CARD PROVIDES THE COMMUNICATION LINK FOR ANY OF THE A/B CHASSIS.THIS CARD ENABLES THE CHASSIS TO BE CONTROLLED LOCALLY IF THE CONTROL FRONT PANEL IS FITTED, OR REMOTELY BY EITHER DIRECT OR DIAL-UP MODEM OR AN X.25 CONNECTION. THE CONTROLLER CARD HAS 24K OF BATTERY BACK-UP RAM MEMORY. IT ALSO HAS BUILT IN SELF-TESTS FOR TESTING THE ALARM, LEDS, RAM, ROM, AND CLOCK CIRCUITS. THIS VERSION IS FOR THE RS 232 INTERFACE AT WHICH THE BUFFERED MONITOR BUS (M BUS) OUTPUT REDRIVES THE SIGNALS.
3215600001 **3215600002**		**EAS AB-CC-V35U CONTROL CARD** **EAS AB-CC-V35E CONTROL CARD**	SAME OPERATION AS ABOVE, BUT THIS VERSION IS FOR THE V.35 INTERFACE AT WHICH THE BUFFERED MONITOR BUS (M BUS) OUTPUT REDRIVES THE SIGNALS.
3215900001		**EAS A/B-CC-X21 CONTROL CARD**	SAME OPERATION AS ABOVE, BUT THIS VERSION IS FOR THE X.21 INTERFACE AT WHICH THE BUFFERED MONITOR BUS (M BUS) OUTPUT REDRIVES THE SIGNALS.
3215900002		**EAS A/B-CC-530/449 CONTROL CD**	SAME OPERATION AS ABOVE, BUT THIS VERSION IS FOR THE RS530 RS449 INTERFACE AT WHICH THE BUFFERED MONITOR BUS (M BUS) OUTPUT REDRIVES THE SIGNALS.

E VERSION FOR USE WITH EUROPEAN V.35 PIN OUT

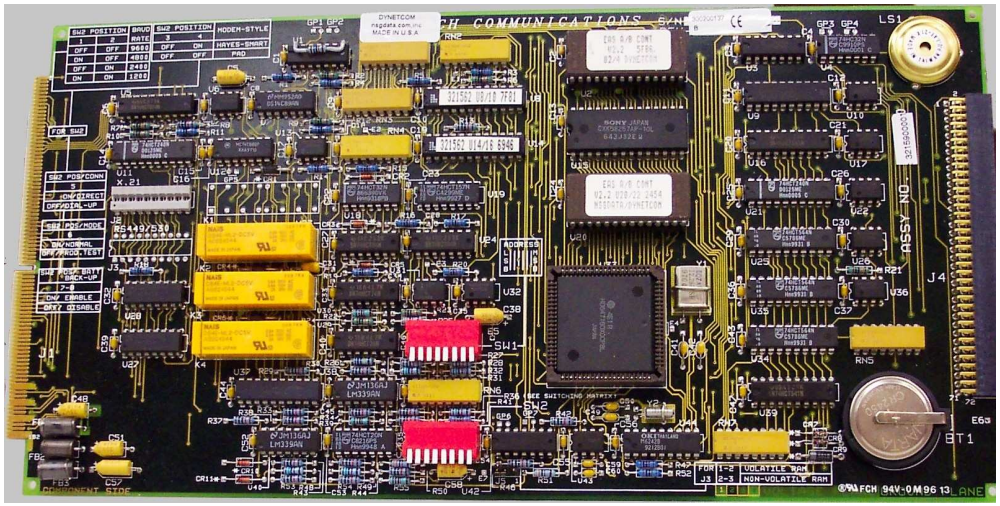
U VERSION FOR USE WITH UNITED STATES V.35 PIN OUT

EAS A/B
CONTROLLER CARDS

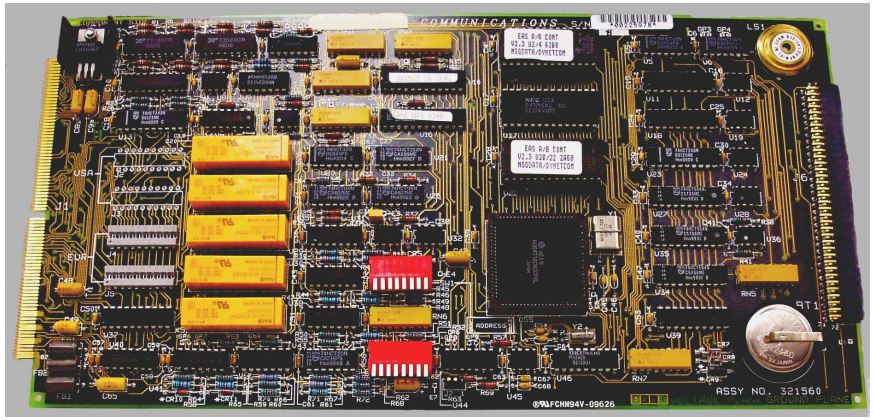
POSTIONS 17



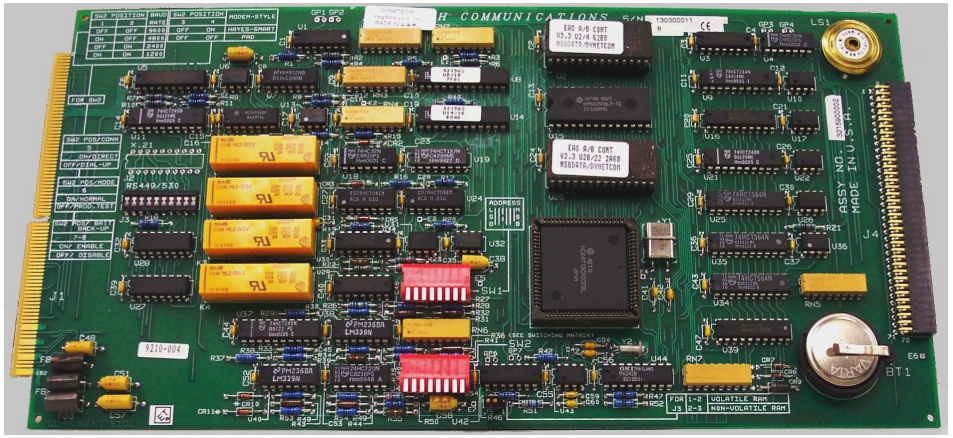
RS232 CONTROL CARD



X21 CONTROL CARD



V35U/E CONTROL CARD



RS530/449 CONTROL CARD

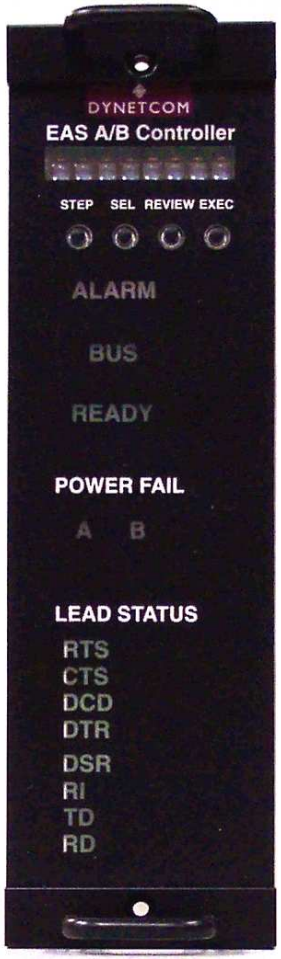
EAS A/B
CONTROL FRONT PANEL

POSTIONS 17/18

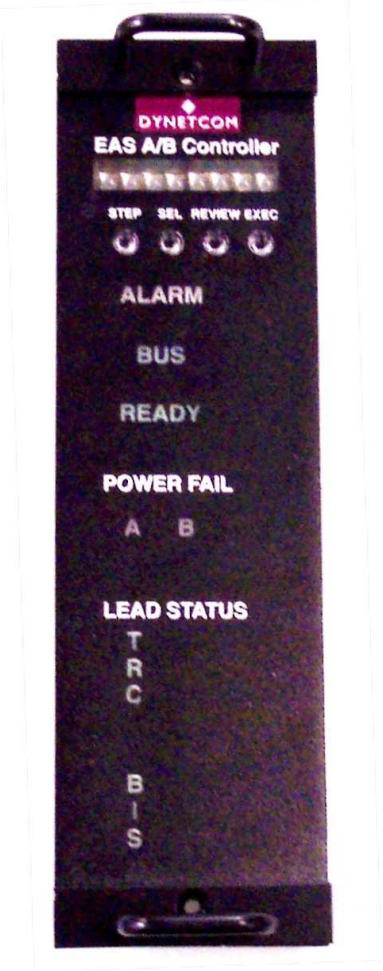
3216100001		**EAS-A/B-FRONT PANEL-V35/RS232**	THE OPTIONAL FRONT PANEL CONTROLLER ATTACHES TO THE FRONT OF THE A/B CHASSIS AND PLUGS INTO THE FRONT OF THE CONTROLLER CARD AND ALLOWS THE CHASSIS TO BE CONTROLLED LOCALLY. IT CONSISTS OF AN 8 CHARACTER ALPHA-NUMERIC DISPLAY , 4 PUSH-BUTTON SWITCHES AND ARRAY OF STATUS LEDS RTS, CTS, DCD, DTR, DSR, RI,TD, AND RD. THE CONTROL FRONT PANEL ALLOWS FOR ALL CONTROL AND CONFIGURATION COMMANDS FROM IT BY USING PUSH-BUTTON SWITCHES. A MENU OF THE COMMANDS CAN BE SCROLLED ON THE DISPLAY, THESE MENUS TYPICALLY CONTAIN 5 CHOICES WITH APPROXIMATELY 5 LEVELS OF MENUS. FOR EXTRA SECURITY , THE CONTROL FRONT PANEL CAN BE ENABLED OR DISABLED REMOTELY BY USING THE DCC SOFTWARE.
3216100002		**EAS-A/B-FRONT PANEL-X21**	SAME AS ABOVE EXCEPT THAT THE INTERFACE STATUS LEDS DISPLAY T, R, C, I, AND S FOR THE X.21 INTERFACE

EAS A/B
CONTROL FRONT PANEL

POSTIONS 17/18



A/B-FRONT PANEL-V35/RS232

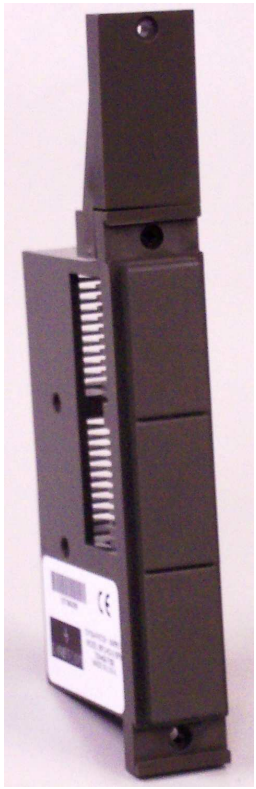


A/B-FRONT PANEL-X21

EAS A/B
FILLER PANELS

EAS BLANK FILLER PANELS

3215940001		**EAS, AB-CH-BLANK CHANNEL BLANK**	FOR USE IN ALL EAS A/B CHASSIS AS FILLERS FOR EMPTY CHANNEL CARD SLOTS.
3215360001		**EAS-A/B-FRONT/PANEL-BLANK**	FOR USE IN SLOTS 17 AND 18 ON ALL EAS A/B CHASSIS WHEN A EAS A/B CONTROL FRONT PANEL IS NOT REQUIRED.



EAS, AB-CH-BLANK CHANNEL BLANK

EAS-A/B-FRONT/PANEL-BLANK

EAS A/B CHASSIS

CUSTOMER TO SPECIFY POWER CORD TYPE WHEN PLACING ORDER

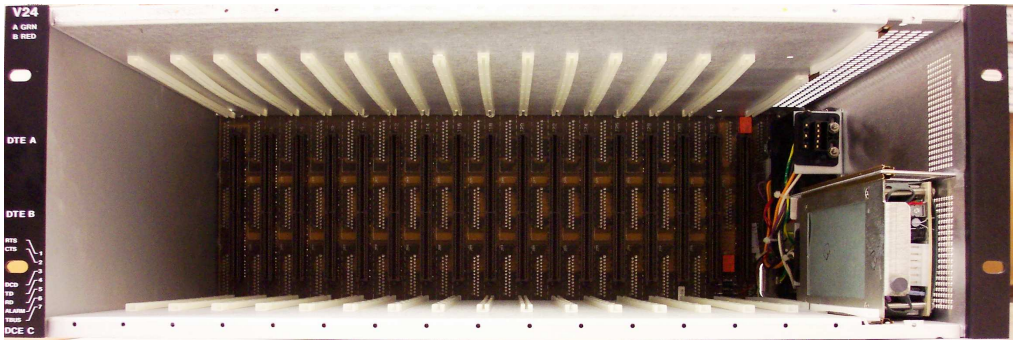
EAS A/B CHASSIS’

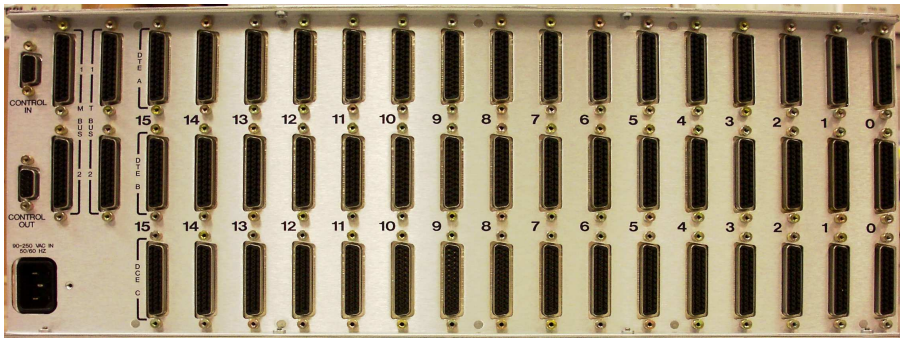
3215000001 **3215000004**		**EAS RA-AB-V35U RACK ADAPTER** **EAS RA-AB-V35E RACK ADAPTER**	THIS IS A 4U (7”) HIGH, 19” CHASSIS’ THAT PROVIDES A MODULAR MEANS OF TEST AND MONITORING ACCESS PLUS A/B SWITCHING OF UP TO 16 V35U INTERFACE CHANNELS. A SINGLE REMOVABLE, 95-250 VAC POWER SUPPLY IS SUPPLIED WITH EACH CHASSIS. A SECOND “BACK-UP” POWER SUPPLY CAN BE FITTED, AS AN OPTION. THE FULLY “CONNECTORIZED” BACK PLANE FITTED WITH 48, M34 WINCHESTER V35F CONNECTORS, FOR THE 16 CHANNEL INTERFACE CARDS, 2 DB25F CONNECTORS FOR THE TEST / MONITOR BUS (T BUS) OUTPUT, 2 DB25F CONNECTORS FOR THE MONITOR BUS (M BUS) OUTPUT, AND DB9F CONNECTORS FOR THE REMOTE CONTROLLER. THE BUS AND CONTROL CONNECTORS ARE IN PAIRS FOR MULTIPLE CHASSIS CHAINING. THE POWER SUPPLY MODULE(S), CONTROLLER CARD AND ALL CHANNEL CARDS SLIDE INTO THE CHASSIS BACKPLANE FROM THE FRONT, WITHOUT DISTURBING THE CABLE CONNECTIONS AT THE REAR AND CAN BE HOT-SWAPPED WITHOUT THE LOSS OF CONFIGURATION. A CONTROLLER CARD IS REQUIRED FOR OPERATION. THIS CONTROLLER CARD CAN BE FITTED WITH AN OPTIONAL FRONT PANEL CONTROL, FOR FULL LOCAL CONTROL OR A BLANK PANEL.
3215000002		**EAS RA-AB-RS232 RACK ADAPTER**	SAME AS 321500001 EXCEPT IT CAN BE POPULATED WITH ANY MIX OF V24 (RS232), V35, X21, RS449 AND RS530 INTERFACE CHANNELS AND HAS 48 DB25F CONNECTORS INSTEAD OF THE M34 WINCHESTER V35F CONNECTORS, FOR THE 16 CHANNEL INTERFACE CARDS. INTERFACE ADAPTER KITS ARE AVAILABLE FOR THE PHYSCIAL INTERFACE CONVERSION.
3215000003		**EAS RA-AB-X.21 RACK ADAPTER**	SAME AS 3215000001 EXCEPT IT IS DEDICATED TO X21(V11) USE ONLY AND HAS 48 DB15F CONNECTORS INSTEAD OF THE M34 WINCHESTER V35F CONNECTORS, FOR THE 16 CHANNEL INTERFACE CARDS

E VERSION FOR USE WITH EUROPEAN V.35 PIN OUT

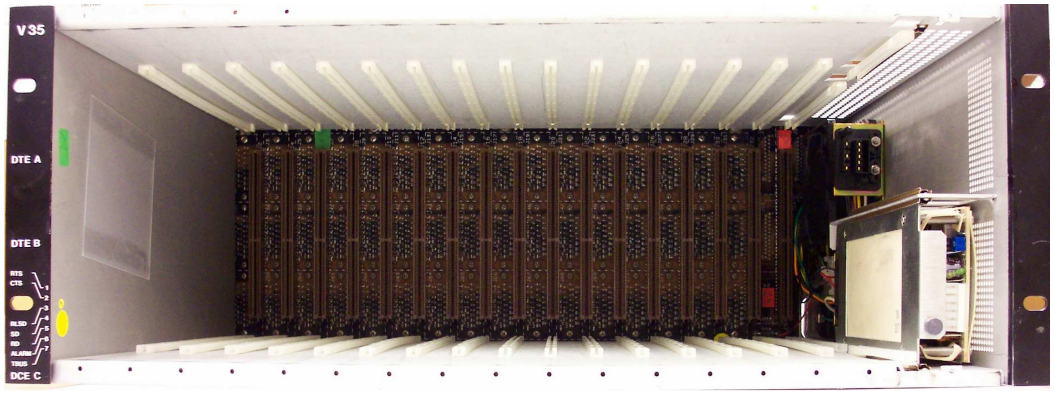
U VERSION FOR USE WITH UNITED STATES V.35 PIN OUT

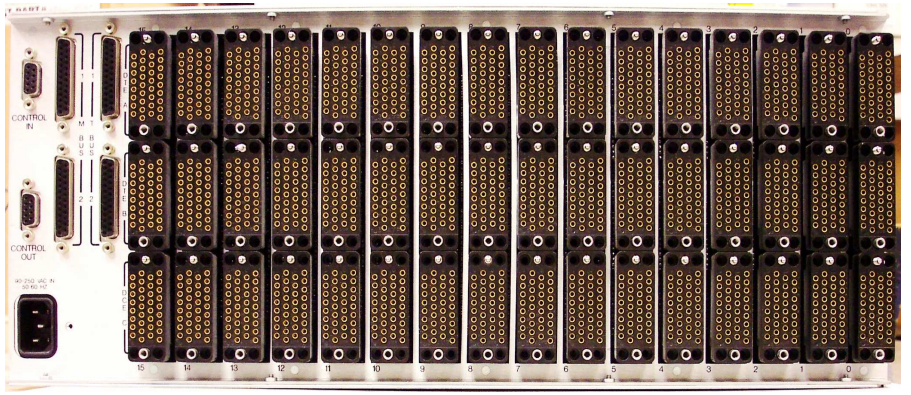
EAS A/B CHASSIS



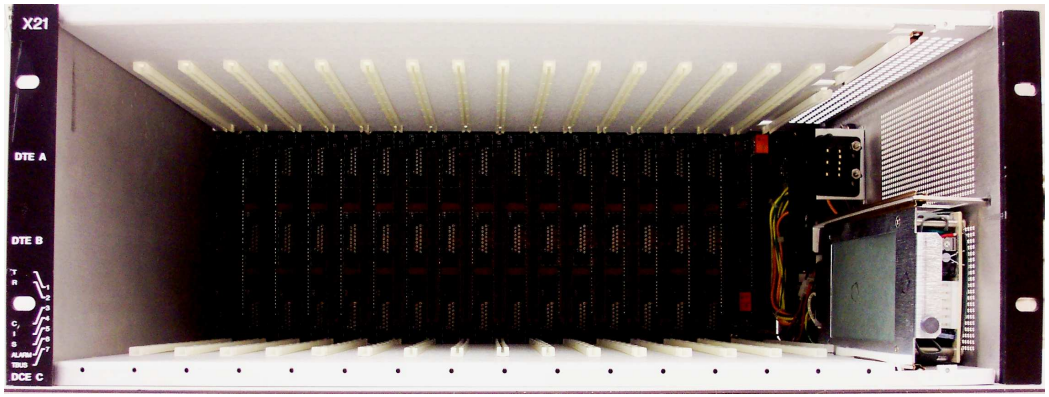


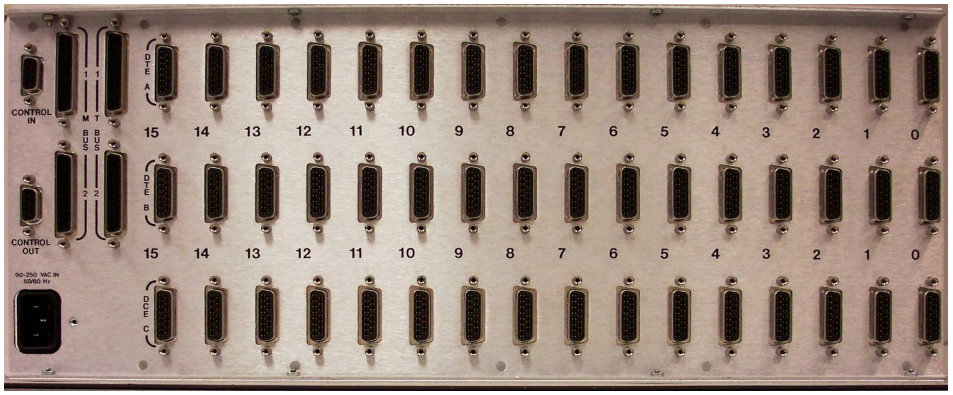
AB-RS232 RACK ADAPTER





AB-V35U/E RACK ADAPTER





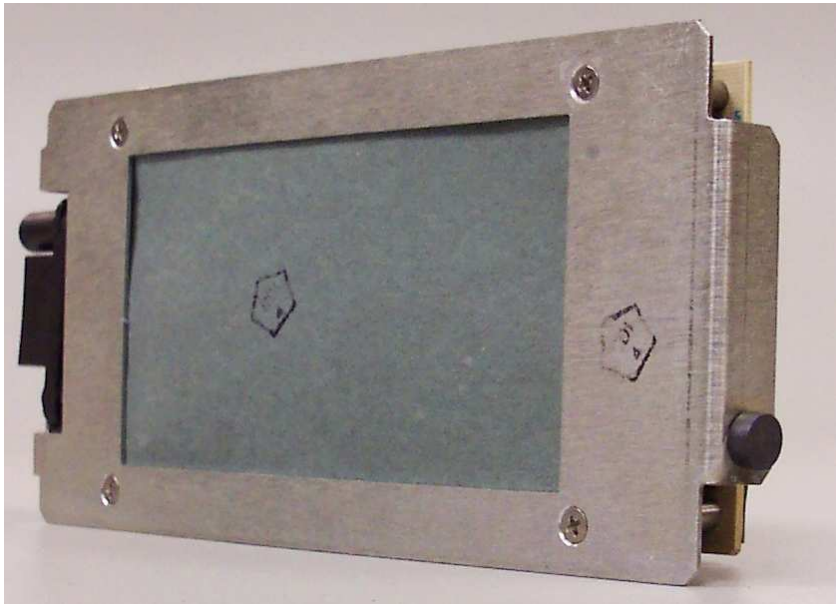
AB-X.21 RACK ADAPTER

EAS A/B
POWER SUPPLY

EAS POWER SUPPLIES

SPARES

3215020001		**EAS A/B 90-250VAC POWER SUPPLY ASSEMBLY**	THIS POWER SUPPLY ASSEMBLY IS USED IN ALL EAS A/B CHASSIS. THE POWER SUPPLY ASSEMBLY HAS AN AUTO RANGING AC POWER SUPPLY WHICH RANGES FROM 90 TO 250 VOLTS. IT PROVIDES +5VDC,+12VDC AND -12VDC TO THE CHASSIS. IT IS MOUNTED VERTICALLY ALONGSIDE THE CONTROLLER CARD AND CAN BE EASILY REMOVED OR INSERTED WHEN THE CONTOL FRONT PANEL OR THE FRONT PANEL BLANK IS REMOVED.THIS POWER SUPPLY SHOULD BE ORDERED IF A BACK-UP IS WANTED ON AN EAS A/B CHASSIS.



EAS A/B
PAK
CONFIGURATIONS

EAS A/B PAK'S

PART NUMBER	PRICE	DESCRIPTION	CHASSIS	CHANNEL CARDS	T BUS MON	M BUS MON	LOCAL	REMOTE	INTERFACE ADAPTERS
3215030001		PAK-EAS-A/B-232-24-2-1	V.24	RS232-24-2	YES	YES	YES	YES	NO
3210030002		PAK-EAS-A/B-232-16-2-1	V.24	RS232-16-2	YES	YES	YES	YES	NO
3210030003		PAK-EAS-A/B-232-12-2-1	V.24	RS232-12-2	YES	YES	YES	YES	NO
3210030004		PAK-EAS-A/B-232-24-1-1	V.24	RS232-24-1	NO	YES	YES	YES	NO
3210030005		PAK-EAS-A/B-232-16-1-1	V.24	RS232-16-1	NO	YES	YES	YES	NO
3210030006		PAK-EAS-A/B-232-12-1-1	V.24	RS232-12-1	NO	YES	YES	YES	NO
3210030007		PAK-EAS-A/B-X21-0-1	X.21	X.21-0	NO	NO	YES	YES	NO
3210030008		PAK-EAS-A/B-X21-1-1	X.21	X.21-1	NO	YES	YES	YES	NO
3210030009		PAK-EAS-A/B-X21-2-1	X.21	X.21-2	YES	YES	YES	YES	NO
3210030010		PAK-EAS-A/B-V35U-0-1	V.35U	V.35U-0	NO	NO	YES	YES	NO
3210030011		PAK-EAS-A/B-V35U-2-1	V.35U	V.35U-2	YES	YES	YES	YES	NO
3210030012		PAK-EAS-A/B-V35U-1-1	V.35U	V.35U-1	NO	YES	YES	YES	NO
3210030013		PAK-EAS-A/B-RS530-0-1	V.24	RS530 / RS449-0	NO	NO	YES	YES	NO
3210030014		PAK-EAS-A/B-RS530-1-1	V.24	RS530 / RS449-1	NO	YES	YES	YES	NO
3210030015		PAK-EAS-A/B-RS530-2-1	V.24	RS530 / RS449-2	YES	YES	YES	YES	NO

EAS A/B PAK'S

PART NUMBER	PRICE	DESCRIPTION	CHASSIS	CHANNEL CARDS	T BUS MON	M BUS MON	LOCAL	REMOTE	INTERFACE ADAPTERS
3215030016		PAK-EAS-A/B-449-0-1	V.24	RS530 / RS449-0	NO	NO	YES	YES	YES
3210030017		PAK-EAS-A/B-449-1-1	V.24	RS530 / RS449-1	NO	YES	YES	YES	YES
3210030018		PAK-EAS-A/B-449-2-1	V.24	RS530 / RS449-2	YES	YES	YES	YES	YES
3210030020		PAK-EAS-A/B-V35E-0-1	V.35E	V.35E-0	NO	NO	YES	YES	NO
3210030021		PAK-EAS-A/B-V35E-2-1	V.35E	V.35E-2	YES	YES	YES	YES	NO
3210030022		PAK-EAS-A/B-V35E-1-1	V.35E	V.35E-1	NO	YES	YES	YES	NO
3210030101		PAK-EAS-A/B-232-24-2	V.24	RS232-24-2	YES	YES	NO	YES	NO
3210030102		PAK-EAS-A/B-232-16-2	V.24	RS232-16-2	YES	YES	NO	YES	NO
3210030103		PAK-EAS-A/B-232-12-2	V.24	RS232-12-2	YES	YES	NO	YES	NO
3210030104		PAK-EAS-A/B-232-24-1	V.24	RS232-24-1	NO	YES	NO	YES	NO
3210030105		PAK-EAS-A/B-232-16-1	V.24	RS232-16-1	NO	YES	NO	YES	NO
3210030106		PAK-EAS-A/B-232-12-1	V.24	RS232-12-1	NO	YES	NO	YES	NO
3210030107		PAK-EAS-A/B-X21-0	X.21	X.21-0	NO	NO	NO	YES	NO
3210030108		PAK-EAS-A/B-X21-1	X.21	X.21-1	NO	YES	NO	YES	NO
3210030109		PAK-EAS-A/B-X21-2	X.21	X.21-2	YES	YES	NO	YES	NO

EAS A/B PAK'S

PART NUMBER	PRICE	DESCRIPTION	CHASSIS	CHANNEL CARDS	T BUS MON	M BUS MON	LOCAL	REMOTE	INTERFACE ADAPTERS
3210030110		PAK-EAS-A/B-V35U-0	V.35U	V.35U-0	NO	NO	NO	YES	NO
3210030111		PAK-EAS-A/B-V35U-2	V.35U	V.35U-2	YES	YES	NO	YES	NO
3210030112		PAK-EAS-A/B-V35U-1	V.35U	V.35U-1	NO	YES	NO	YES	NO
3210030113		PAK-EAS-A/B-RS530-0	V.24	RS530 / RS449-0	NO	NO	NO	YES	NO
3210030114		PAK-EAS-A/B-RS530-1	V.24	RS530 / RS449-1	NO	YES	NO	YES	NO
3210030115		PAK-EAS-A/B-RS530-2	V.24	RS530 / RS449-2	YES	YES	NO	YES	NO
3215030116		PAK-EAS-A/B-449-0	V.24	RS530 / RS449-0	NO	NO	NO	YES	YES
3210030117		PAK-EAS-A/B-449-1	V.24	RS530 / RS449-1	NO	YES	NO	YES	YES
3210030118		PAK-EAS-A/B-449-2	V.24	RS530 / RS449-2	YES	YES	NO	YES	YES
3210030120		PAK-EAS-A/B-V35E-0	V.35E	V.35E-0	NO	NO	NO	YES	NO
3210030121		PAK-EAS-A/B-V35E-2	V.35E	V.35E-2	YES	YES	NO	YES	NO
3210030122		PAK-EAS-A/B-V35E-1	V.35E	V.35E-1	NO	YES	NO	YES	NO

EAS A/B CABLES

EAS A/B CABLES

3211800001		**PC TO EAS CONTROL CABLE**	DB25F TO DB9M, 25 FOOT LONG CONTROL CABLE FOR DIRECT CONNECTION FROM A PC SERIAL PORT TO THE CONTROL PORT ON AN EAS WAN, EAS LAN OR EAS DSX CHASSIS.
3211810001		**MODEM TO EAS CONTROL CABLE**	DB25F TO DB9M, 25 FOOT LONG CONTROL CABLE USED FOR DIAL-UP MODEM CONTROL OF AN EAS WAN, EAS LAN OR EAS DSX CHASSIS . IT CONNECTS BETWEEN THE MODEM'S DATA PORT AND THE CHASSIS CONTROL PORT.

EAS A/B CHAINING CABLES

EAS A/B CHAINING CABLES

3211900001		**EAS CHAINING CABLE 2FT**	D9M TO DB9M, 2 FOOT LONG CABLE USED TO INTERCONNECT PORTS OF EAS WAN, EAS LAN OR EAS DSX CHASSIS.
3211900002		**EAS CHAINING CABLE 6FT**	SAME AS ABOVE BUT 6 FOOT LONG CABLE.
2901010002		**EAS T BUS CHAINING CABLE**	DB25M TO DB25M, 2 FOOT LONG CABLE CHAINING THE TEST/MONITOR BUS (T BUS) OUTPUTS BETWEEN EAS WAN CHASSIS AND EAS LAN (D25F) CHASSIS.

EAS
INTERFACE ADAPTER KITS
AND
ADAPTERS

INTERFACE ADAPTERS AND ADAPTER KITS

3219510001		**INTERFACE ADAPTER KIT V35[E]**	KIT CONSISTS OF THREE DB25M-V35F ADAPTERS. THE V.35 CONNECTORS ARE M34 WINCHESTER TYPE. EUROPEAN PIN-OUT.
3219520001		**INTERFACE ADAPTER KIT V35[U]**	KIT CONSISTS OF THREE DB25M-V35F ADAPTERS. THE V.35 CONNECTORS ARE M34 WINCHESTER TYPE. U.S. PIN-OUT.
3219500001		**INTERFACE ADAPTER KIT X21**	KIT CONSISTS OF THREE DB25M-DB15F ADAPTERS.
3219530001		**INTERFACE ADAPTER KIT RS449**	KIT CONSISTS OF THREE DB25M-DB37F ADAPTERS WITH ONE 1 FOOT DB25M-DB25F EXTENDER CABLE TO ALLOW FOR PHYSCIAL DIMENSIONS OF THE DB37 CONNECTORS.
6140072113		**X.21 ADAPTER**	ADAPTER IS DB25M TO DB15F.
6140072127		**V.35E ADAPTER**	ADAPTER IS DB25M TO V35F WINCHESTER WITH EUROPEAN MARK 2 PIN-OUT.
6140072125		**V.35U ADAPTER**	ADAPTER IS DB25M TO V35F WINCHESTER WITH USA MARK 2 PIN-OUT.
6140072124		**RS-449 ADAPTER**	ADAPTER IS DB25M TO DB37F.
2901000001		**CABLE RS232 EXT 1 FOOT**	EXTENSION CABLE TO BE USED WITH 6140072124 RS-449 ADAPTER.

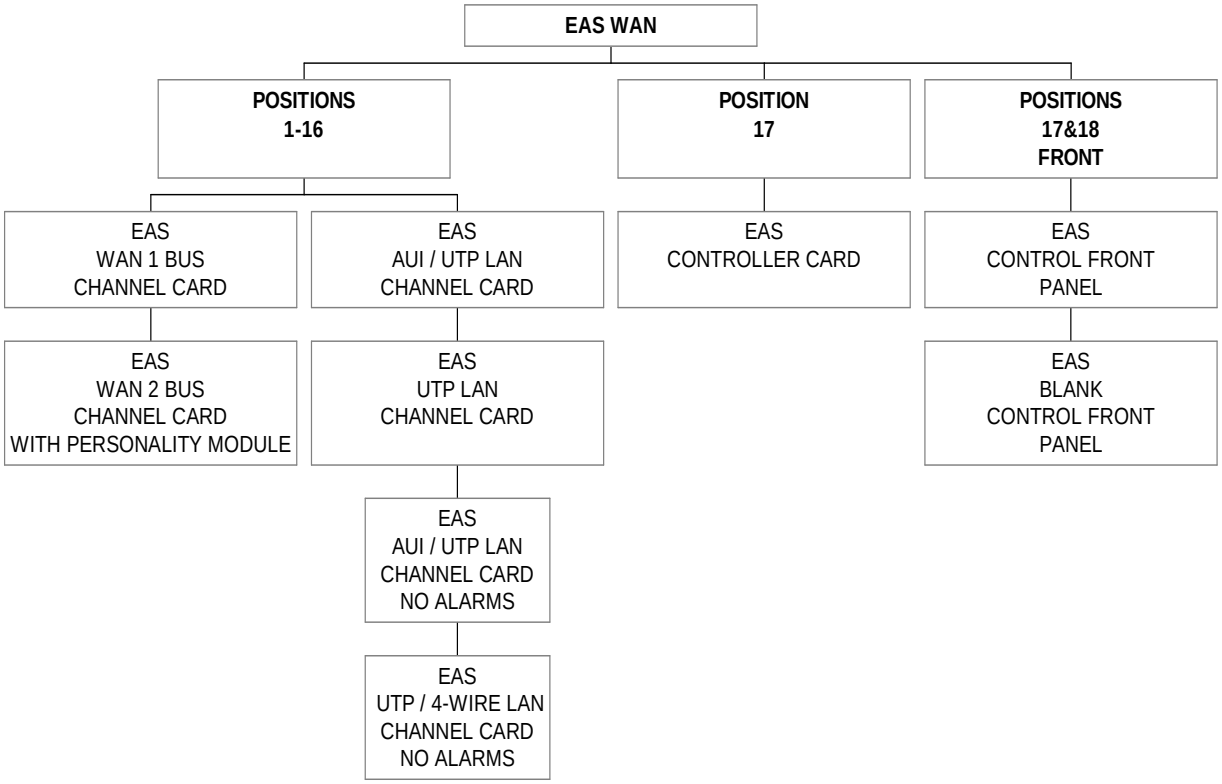
EAS A/B ACCESSORIES

ACCESSORIES

2002550001		**DESIGNATION STRIP PAPER**	FOR USE IN ALL EAS/WAN CHASSIS SOLD IN U.S. AND JAPAN.
2002550002		**DESIGNATION STRIP CLEAR MYLAR**	FOR USE IN ALL EAS/WAN CHASSIS SOLD IN U.S. AND JAPAN.
G280A05281		**DESIGNATION STRIP**	FOR USE IN ALL EAS/WAN CHASSIS SOLD IN COUNTRIES OTHER THAN U.S. AND JAPAN
6510031604		**SELF TAPPING MOUNTING SCREW BLACK**	FOR MOUNTING MODULES IN ALL EAS CHASSIS.

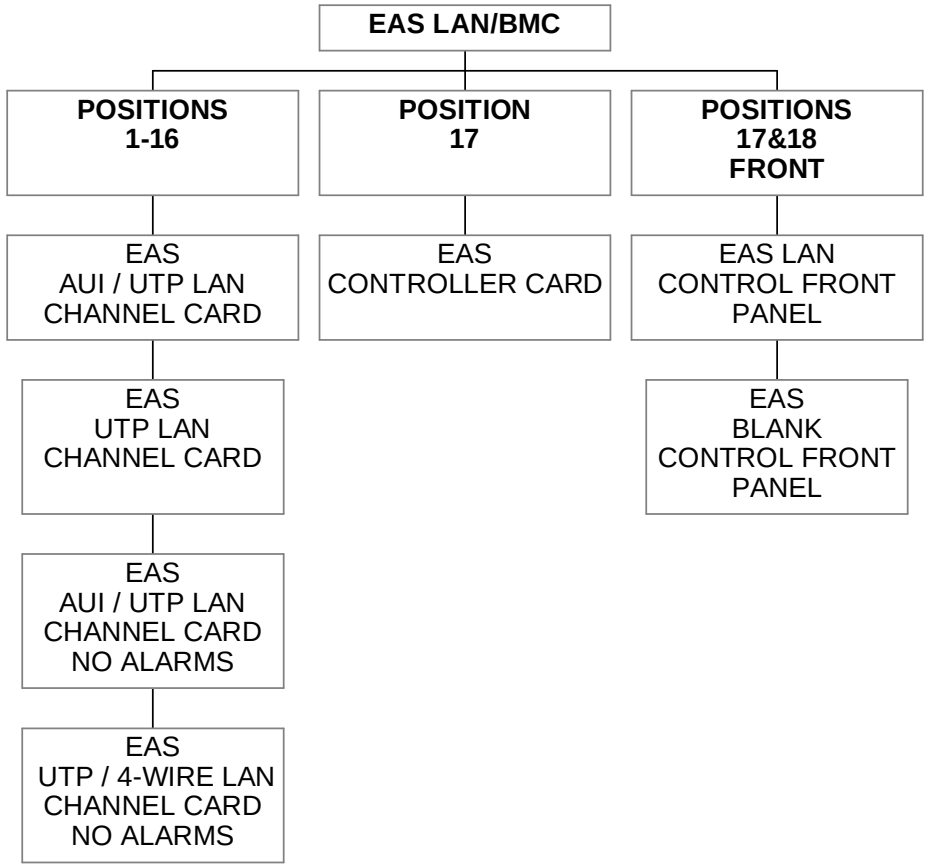
EAS CONFIGURATIONS

EAS WAN



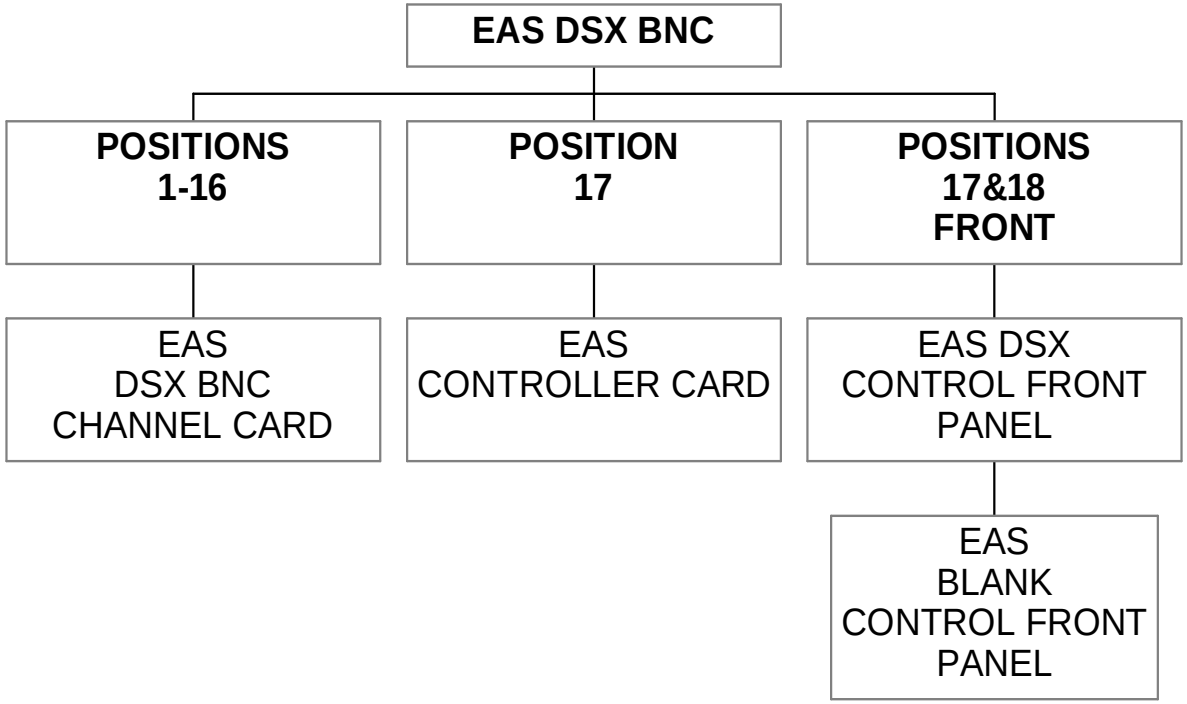
EPB-1/EPB-1C FILLER PANELS SHOULD BE FITTED IN ALL UNUSED POSITIONS 1-17
INTERFACE ADAPTER KITS ARE AVAILABLE FOR CORRECT INTERFACE CONNECTION

EAS LAN/BMC



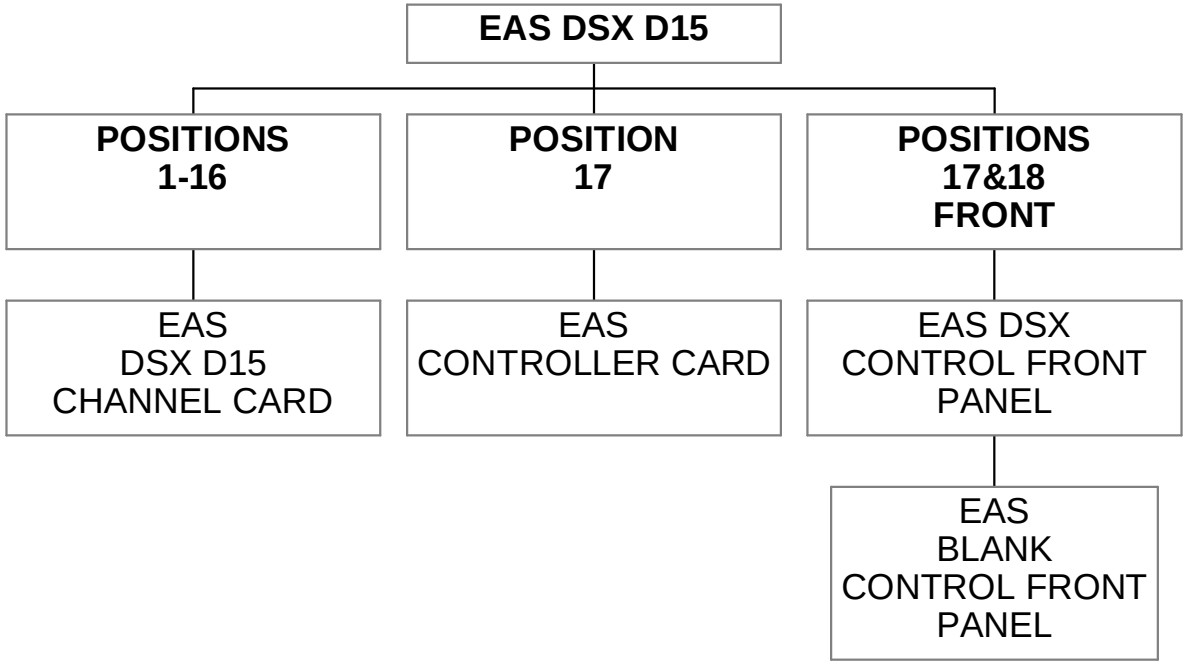
EAS LAN/DSX CHANNEL CARD BLANK FILLER PANELS SHOULD BE USED IN ALL UNUSED POSITIONS 1-17
INTERFACE ADAPTER KITS ARE AVAILABLE FOR CORRECT INTERFACE CONNECTION

EAS DSX BNC



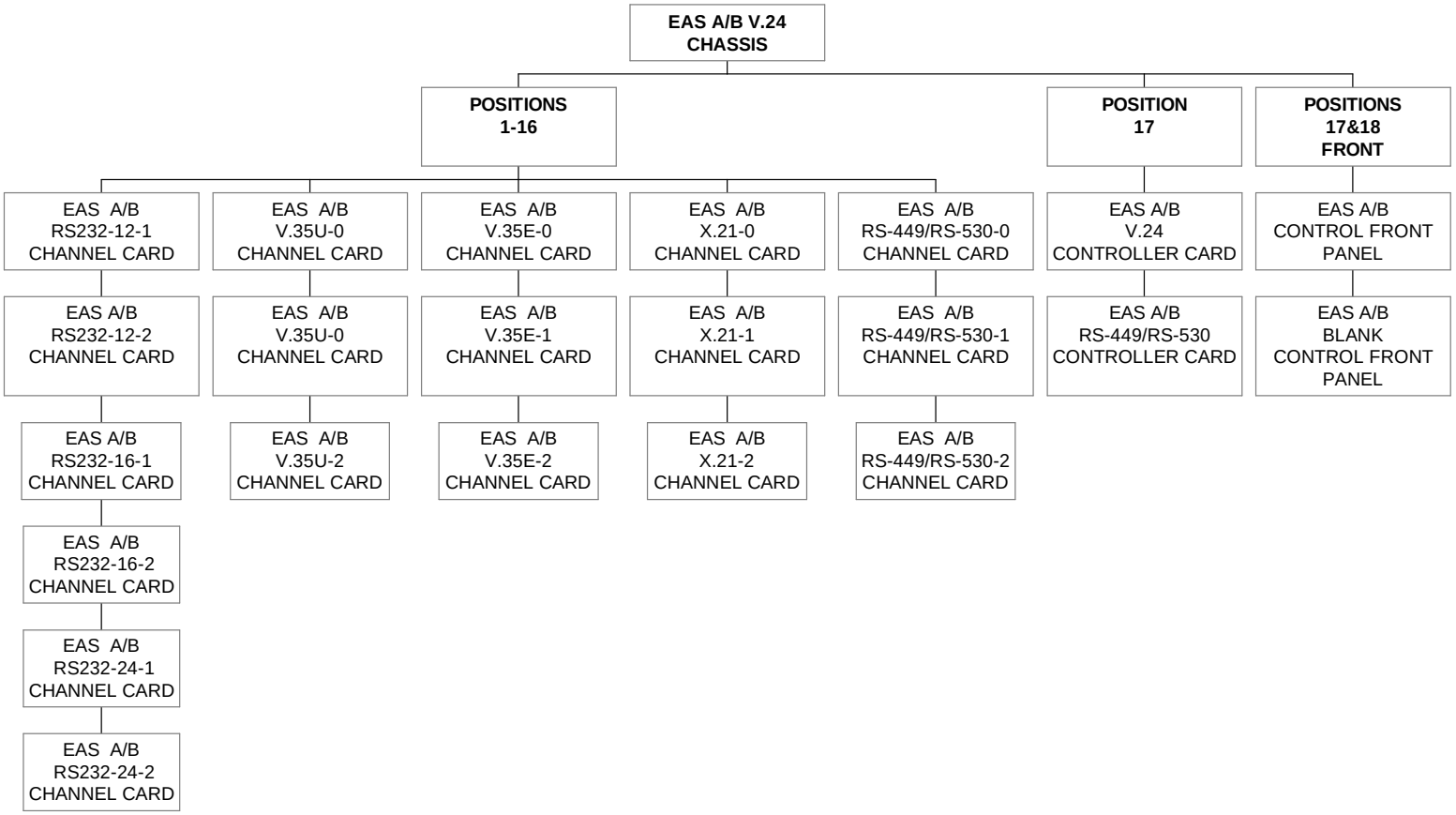
EAS LAN/DSX CHANNEL CARD BLANK FILLER PANELS SHOULD BE USED IN ALL UNUSED POSITIONS 1-17
INTERFACE ADAPTER KITS ARE AVAILABLE FOR CORRECT INTERFACE CONNECTION

EAS DSX DB15



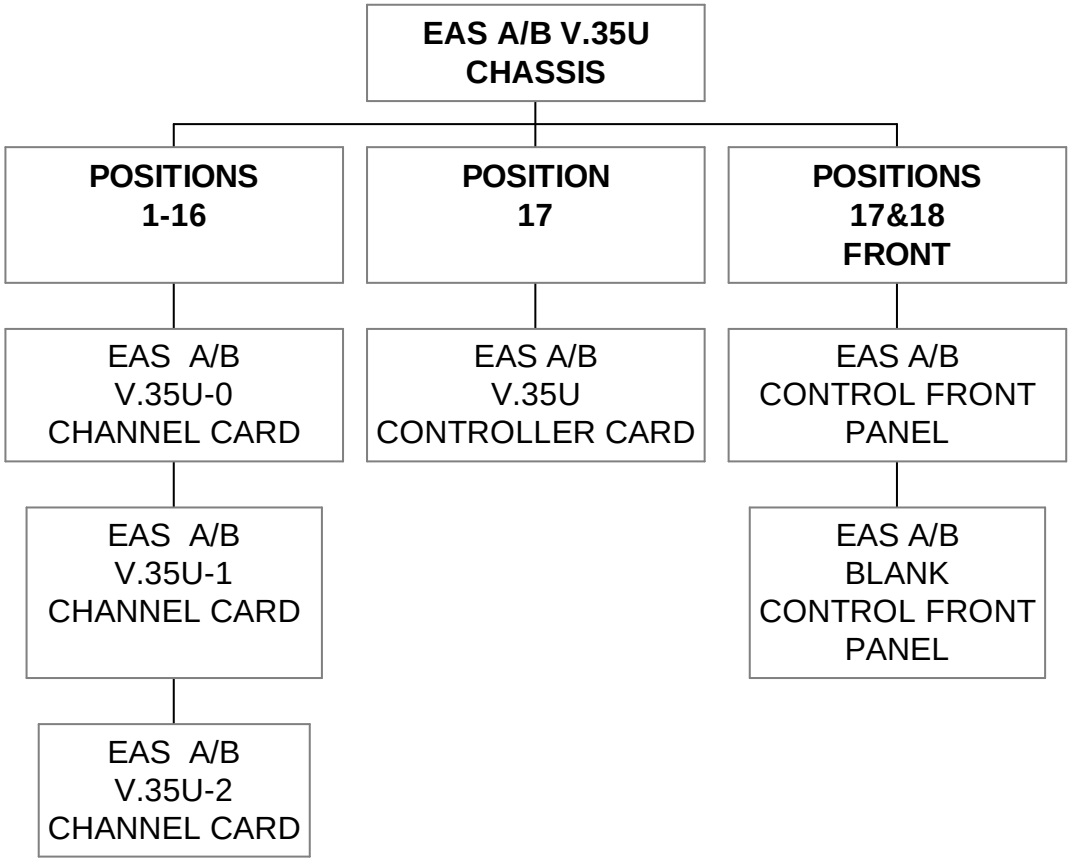
EAS LAN/DSX CHANNEL CARD BLANK FILLER PANELS SHOULD BE USED IN ALL UNUSED POSITIONS 1-17
INTERFACE ADAPTER KITS ARE AVAILABLE FOR CORRECT INTERFACE CONNECTION

EAS A/B V.24 CHASSIS



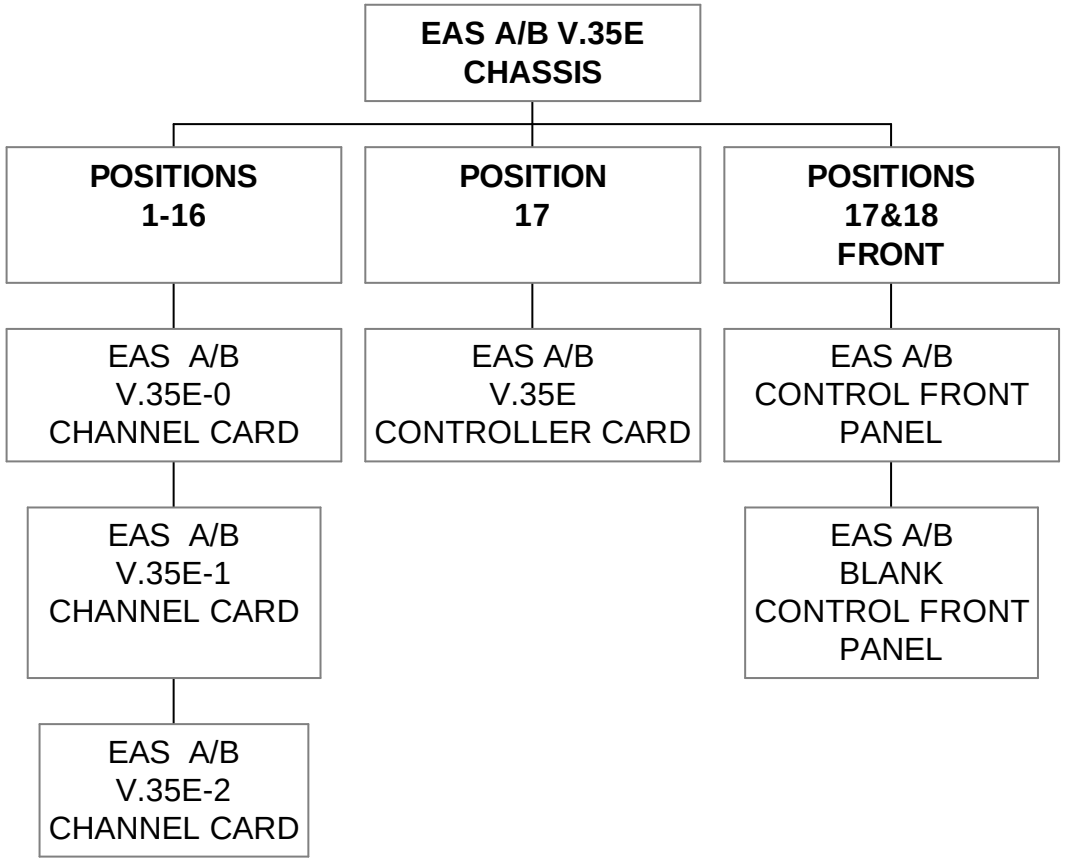
MPSB-10 BLANK FILLER PANELS SHOULD BE FITTED IN ALL UNUSED POSITIONS 1-17
INTERFACE ADAPTER KITS ARE AVAILABLE FOR SPECIFIC INTERFACE CONNECTION

EAS A/B V.35U CHASSIS



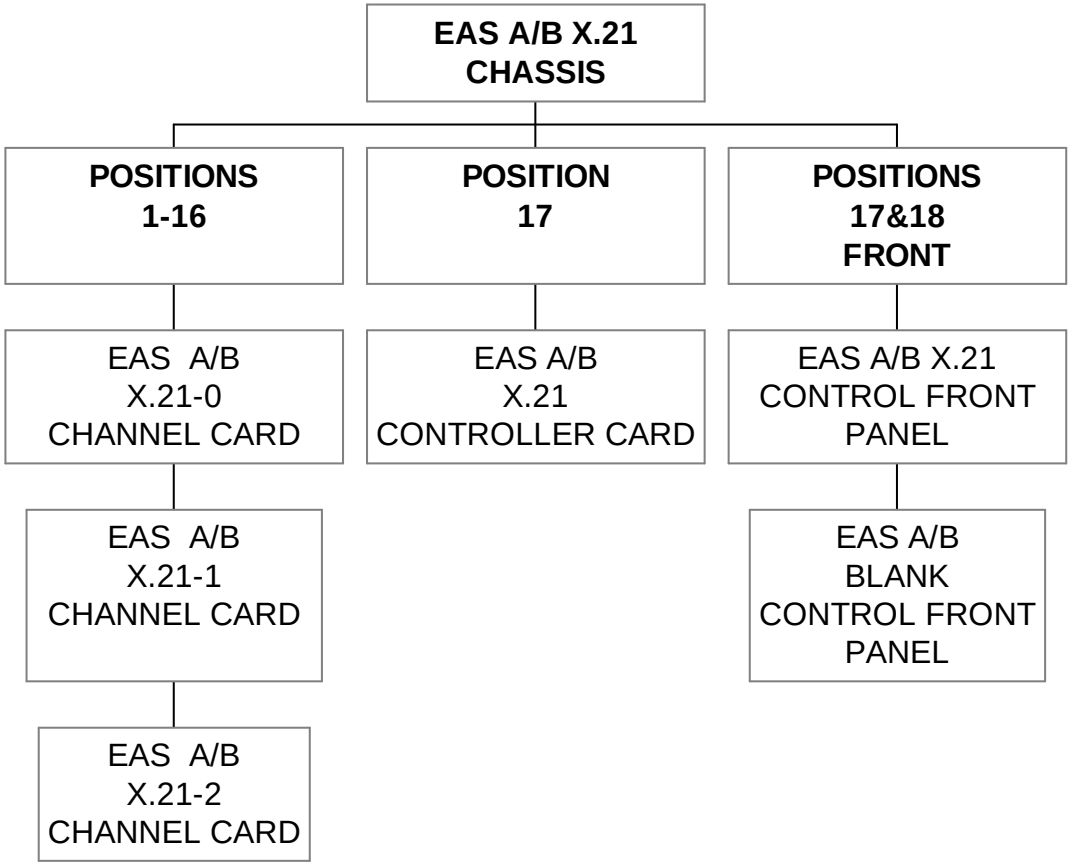
MPSB-10 BLANK FILLER PANELS SHOULD BE FITTED IN ALL UNUSED POSITIONS 1-17
INTERFACE ADAPTER KITS ARE AVAILABLE FOR SPECIFIC INTERFACE CONNECTION

EAS A/B V.35E CHASSIS



MPSB-10 BLANK FILLER PANELS SHOULD BE FITTED IN ALL UNUSED POSITIONS 1-17
INTERFACE ADAPTER KITS ARE AVAILABLE FOR SPECIFIC INTERFACE CONNECTION

EAS A/B X.21 CHASSIS



MPSB-10 BLANK FILLER PANELS SHOULD BE FITTED IN ALL UNUSED POSITIONS 1-17
INTERFACE ADAPTER KITS ARE AVAILABLE FOR SPECIFIC INTERFACE CONNECTION

FOR DYNETCOM PRODUCT SALES AND SUPPORT CONTACT:

NSGDatacom, Inc.
3863 CENTERVIEW DRIVE
SUITE 100
CHANTILLY, VA 20151
U.S.A.
Phone: 703-793-2000
Fax: 703-793-2001