| REVISIONS | | | | | | | |
|---|---|---|---|---|---|---|---|
| ZONE | LTR | DESCRIPTION | DATE | E.M.N.NO | DRAFT | CHKD | APPD |
| | D/ | ORIGINAL RELEASE | 11-26-80 | — | | dwl | |
| | A | A710 was A709 ON Sheets 1 and 3 | 2-9-81 | 21865 | WJ | | |

## MMX-2A NOMINCLATURE

FOR REMOTE CONTROL PIN D USED FOR R F MONITOR INDICATOR

J3001 — A B C D E F G H I J K — M T N q v b u a S e Z O Y P W R X C d — A B C D P R — J3002

TRANSMITTER BANDS MHZ: 2.0-2.3 | 2.6-2.3 | 4.0-2.6 | 4-3 | 5-4 | 8-5 | 12-8 | 16-12 | 24-16 | 30-24 | COM | EXC PTT | USB 600Ω | LSB 600Ω | KEY | ALDC | FSK (−/+) | FAX | CONTACT | CARRIER ON | RCVR MUTE NO C NC | REM METER RELAY | XMTR PTT

## NOMINCLATURE AX5228 EXCITER

J3001 — M N q b e W X

CW | USB | VOX | -20db | -30db | +24V | +28V

**NOTE IMPORTANT**
THE FOLLOWING PINS ARE JUMPERED IF NO EXTERNAL CONNECTIONS ARE USED.
J3002 PINS P & R
J3002 PINS L & N
J3003 PINS K & L
J3003 PINS S & Y
J3003 PINS d & h

## DRIVER DRAWER (AX5232) REF CK2179

J1001 P906 — P907 J1002

| P906 | | P907 |
|---|---|---|
| CR805 ⊖ | | P904-Z |
| CR805 ⊕ | | XA701-L |
| CR805 ⊕ | | |
| T803-Ø1-20V | | XA702-6 |
| T803-Ø2-20V | | |
| T803-Ø3-20V | | XA702-12 |
| A3002-12 | | XA702-13 |
| R809 | | XA702-M |
| E802 | | P912-Z |
| E801 | | P912-J |
| P912-2 | | |
| P912-Y | | XA701-D |
| XF3002 | | P912-N |
| ◇ XA702-10, XF3001 | | P912-L |
| XF3001 | | P912-M |
| S901-C | | P912-r |
| B801-5 | | XA703-3 |
| C711 | | A3002-21 |
| S5008-NC | | XA702-K |
| CB3002B-COM | | XA702-F |
| P904 J | | P912-J |
| P904 K | | |
| P904-m | | P912-S |
| P904 n | | |
| P904 d | | |
| P904 R | | |
| P904 f | | XA705-19 |
| P904 g | | |
| P905 h | | A3002-17 |
| P904 i | | |
| P905 C | | |
| P905 D | | P912-G |
| P905 E | | T803-Ø3-210V |
| P905 F | | XA703-1 |
| P905 H | | XA703-B |
| P905 J | | XA707-8 |
| P905 K | | |
| P905 A | | P912-6 |
| P905-2 | | |
| P904-E | | TB905-1 |
| P912-B | | TB905-6 |
| K801-NO | | |
| CR807B | | A801E2 — P908 — J1003 |
| P905-L | | |
| P904-P | | P909 — J1004 |
| P905-P | | |
| ◇ DS3001⊕, P912-R | | A801E1 |
| A3001-37 | | |
| A3001-38 | | J3004 — P910 — J1005 |
| A3001-39 | | |
| | | P914 — P911 — J1006 |

E816 — J1007 — E1001 — E817 — P801

## REFERENCE CK1955
## EXCITER DRAWER FOR MMX-2A (AX5168)

J2001 P912 — P913 J2002

| P912 | | P913 |
|---|---|---|
| P913-m, A3001-1 | | A3001-2 |
| P906-1 | | A3001-3 |
| A3002-14 | | A3001-4 |
| A3002-15 | | A3001-5 |
| TB904-10 | | A3001-6 |
| XA703-L | | A3001-7 |
| P907-h | | A3001-8 |
| TB902-4 | | A3001-9 |
| P907-W | | A3001-10 |
| | | A3001-11 |
| P907-P | | A3001-12 |
| P907-Q | | A3001-13 |
| P907-N | | A3001-14 |
| XA702-11 | | XF3008 |
| XA702-S | | S3002 |
| P906-Z | | A3001-16 |
| P907-Y | | |
| | | A3001-18 |
| TB703-7 | | |
| TB902-5 | | A3001-20 |
| | | |
| A3002-34 | | A3001-22 |
| T803-Ø2-230V | | |
| P907-J | | A3001-24 |
| P913-n, XA707-2 | | |
| XA705-D | | A3001-35 |
| TB703-8 | | A3001-28 |
| TB905-2 | | |
| TB902-6 | | A3001-30 |
| S5004-COM | | |
| | | A3001-32 |
| XF3004 | | |
| P907-K | | A3001-34 |
| TB903-3 | | P912-A |
| XA702-1 | | P912-a |
| TB904-3 | | |
| XA703-B | | A3001-36 |
| P907-R | | |
| XD55002 | | |
| S5001-I NO | | |
| CB3002C-A | | |
| A3002-21 | | P911 — P914 — J2003 RF OUT |
| A3002-13 | | |
| P906-M | | |
| T803-Ø2-210V | | |
| P906-L | | |
| T803-Ø1-210V | | |
| A801TBI-4 | | |
| A801TBI-1 | | |
| P907-2 | | |

This Drawer USED with MMX-2A or SME-( ) EXCITERS ONLY

## REFERENCE CK2168
## EXCITER DRAWER FOR MMX-2B (AX5230)

J2001 P912 — P913 J2002 — REMOTE PLUG

| P912 | | P913 | | REMOTE PLUG |
|---|---|---|---|---|
| P913-m, A3001-1 | | A3001-2 | | P2-A |
| P906-1 | | A3001-3 | | P2-B |
| A3002-14 | | A3001-4 | | P2-C |
| A3002-15 | | A3001-5 | | P2-D |
| TB904-10 | | A3001-6 | | P2-E |
| XA703-L | | A3001-7 | | P2-F |
| P907-h | | A3001-8 | | P2-H |
| TB902-4 | | A3001-9 | | P2-J |
| P907-W | | A3001-10 | | P2-K |
| | | A3001-11 | | P2-L |
| P907-P | | A3001-12 | | P2-M |
| P907-Q | | A3001-13 | | P2-N |
| P907-N | | A3001-14 | | P2-P |
| XA702-11 | | XF3008 | | P2-R |
| XA702-S | | S3002 | | P2-S |
| P906-Z | | A3001-16 | | P2-T |
| P907-Y | | | | P2-V |
| | | A3001-18 | | P2-W |
| TB703-7 | | | | P2-X |
| TB902-5 | | A3001-20 | | P2-Y |
| | | | | P2-Z |
| A3002-34 | | A3001-22 | | P2-a |
| T803-Ø2-230V | | | | P2-b |
| P907-J | | A3001-24 | | P2-c |
| P913-n, XA707-2 | | | | P2-d |
| XA705-D | | A3001-35 | | P2-e |
| TB703-8 | | A3001-28 | | P2-f |
| TB905-2 | | | | P2-g |
| TB902-6 | | A3001-30 | | P2-h |
| S5004-COM | | | | P2-i |
| | | A3001-32 | | P2-k |
| XF3004 | | | | P2-l |
| P907-K | | A3001-34 | | P2-m |
| TB903-3 | | P912-A | | P2-n |
| XA702-1 | | P912-a | | P2-p |
| TB904-3 | | | | P2-r |
| XA703-B | | A3001-36 | | P2-3 |
| | | | | P2-u |
| P907-R | | | | P2-v |
| XD55002 | | | | P2-x |
| S5001-I NO | | | | P2-4 |
| CB3002C-A | | | | P2-5 |
| A3002-21 | | P911 — P914 — J2003 RF OUT | | |
| A3002-13 | | | | |
| P906-M | | | | |
| T803-Ø2-210V | | | | |
| P906-L | | | | |
| T803-Ø1-210V | | | | |
| A801TBI-4 | | | | |
| A801TBI-1 | | | | |
| P907-2 | | | | |

This Drawer USED with AX5228 EXCITER or MMX( )-2B EXCITER

THIS CABLE (CA1835) USE ONLY WITH SIDERACK — CA1835

RMT-A … RMT-Z, RMT-a … RMT-g, P3001-a … P3001-k — (ISB) — (LSB) — P2

TO SIDERACK (REF CK2179)

TO SHT 3

## A3001 (A4809)

P/O P3001 — J3001 — A B C D E F G H I J K f k M T N q v b u a S e Z O Y P W R X C d — P/O J3002 — A B C D P R

C1 C2 C3 C4 C5 C6 C7 C8 C9 C10 C11 C12 C13 C14 C15 C16 C17 C18 C19 C20 C21 C22 C23 C24 C25 C26 C27 C28 C29 C30 C31 C32 C33 C34 C35 C36 C37 C38 C39 C40 C41 C42 C43 C44 C45 C46 C47 C48 C49 C50 C51 C52 C53 C54 C55 C56 C57 C58 C59 C60 C61 C62 C63 C64 C65 C66 C67 C68 C69 C70 C71 C72 C73 C74 C75 C76 C77 C78 C79 C80

USE ONLY FOR REM. CON. A705 disabled PIN 22 TIE POINT ONLY

P912-A — P913-A, P905-X — P913-B, P905-h — P913-C, P905-L — P913-D, P905-g — P913-E, P905-F — P913-F, P905-e — P913-G, P905-d — P913-H, P905-C — P913-J, P905-b — P913-K, P905-a — P913-L, P913-M — P913-N — P913-P — P913-R — P913-T — P913-V — P913-X — P913-Z — P913-b — XA707-2 — P913-e — P913-g — P913-i — A3002-12 — P913-k — P913-d — P906-2 — P906-3 — P906-4 — XA705-22 — A4708-E1

XA705-16 — XA705-15 — XA705-14 — XA705-P — XA705-6 — XA705-10 — XA705-11 — XA705-12 — XA705-13 — XA705-F — XA705-14, XA705-F — P907-E — P907-4 — P907-1, P912-J — XA705-17 — XA705-V — DS3001⊕ — TB901-2 — S907-NC — XDS5002 — P912-K — A3001-26 — S5001-26 — A4003-35 — A4003-2 — A4003-12 — A4003-11 — XA705-22

TB904-13, XA705-F — TB904-11, XA705-5 — A3001-34, P912-K — P912-E — P912-D — TB905-1 — TB902-4 — P907-1, P912-J — XA705-17 — XA705-V — DS3001⊕ — TB901-2 — S907-NC — XDS5002 — P912-K — A3001-26 — S5001-26 — A4003-35 — A4003-2 — A4003-12 — A4003-11 — XA705-22

TO SHT 1

A3001, A3002 ALL CAPS .01 UF INDUCTORS 120UH

## A3002 (A4810)

C1 C2 C3 C4 C5 C6 C7 C8 C9 C10 C11 C12 C13 C14 C15 C16 C17 C18 C19 C20 C21 C22 C23 C24 C25 C26 C27 C28 C29 C30 C31 C32 C33 C34 C35 C36 C37 C38 C39 C40 C41 C42 C43 C44 C45 C46 C47 C48 C49 C50 C51 C52 C53 C54 C55 C56 C57 C58 C59 C60 C61 C62 C63 C64 C65 C66 C67 C68 C69 C70 C71 C72 C73 C74 C75 C76 C77 C78 C79 C80

L1 L2 L3 CR1 IN645 CR2 IN645

P/O J3001 — P/O J3002 — P/O J3003 P3003 — P/O J3003 P/O P3003 — T A B C D E F G H I J K L M d b W h j E F H J K L M N Z Y d h f g £ f k S

PI-L PI-A PI-B PI-C PI-D PI-E PI-F PI-G PI-H PI-J PI-M PI-N PI-P PI-R PI-K PI-U PI-V PI-X PI-W PI-Z PI-S PI-b PI-a PI-T

POS 1 — POS 2 — POS 3 — POS 4 — COM — BIT 2 — BIT 3 — BIT 4 — COM — COIL RETURN — 24 TO 30 VDC — +24 VDC — HV ON IND — FAULT IND — TUNE — 100 MW EXC LEVEL — FWD PWR — REFL PWR — +24V — C NC NO EXT INTLKS — OPER-TUNE — HV ON-OFF — NCC NO OVLD RESET — SWR OVLD IND — TUNE IND — NC NO OVLD IND

CA1835 (REMOTE ONLY) — P910 — J3004 — RF INPUT

P1 — P3003-A … P3003-k — A B C D E F G H J K L M N P R S T U V W X Z g b c d e f g h j k m n s r p

TO SIDERACK (REF CK2178)

| A3001 | |
|---|---|
| LAST SYM | MISS SYM |
| C30 | |
| E80 | |
| L10 | |

| A3002 | |
|---|---|
| LAST SYM | MISS SYM |
| C34 | C18 |
| CR2 | |
| E81 | E59 |
| L3 | L2 |

| | | | |
|---|---|---|---|
| FINAL APPROVAL | DATE | THE TECHNICAL MATERIEL CORP. MAMARONECK, NEW YORK | |
| MECH. DES | DATE 12/24/80 | | |
| ELECT. DES | DATE | DIAGRAM MAIN SCHEMATIC HFL( )-10K REVISION B | |
| CHECKED | DATE | | |
| DRAWN RU | DATE 8-21-80 | SIZE A | CODE IDENT. NO. 82679 |
| | | DWG NO CK2177 | ISSUE A |
| | | SCALE | SHEET 2 OF 5 |