

TMC SPECIFICATION

NO. S 1200

REV: X18 X19 X20 X21 X22 X23 X24

COMPILED:

CHECKED:

APPD:

SHEET

OF

TITLE: MATERIAL LIST SPECIAL NOTES

The following is a list of special notes applicable to only IBM-type Material Lists. If a number appears in the column marked "Special Notes refer to S1200", then the corresponding note on this spec shall be used.

NOTE 1: These items are supporting lists.

NOTE 2: All items referenced to this note are standard loose items and shall be omitted when this unit is used as part of a system.

NOTE 3: PL249, PN122-2 supplied by RTKY-1 manufacturer. Purchase only When necessary.

NOTE 4: Value of R612 to be determined in test nominal value, 2.7K, 5%

NOTE 5: C513 and C515 values are optional. To be determined in test.

NOTE 6: These items are supplied by cabinet mfgr.

NOTE 7: These items used for shock mtg. only.

NOTE 8: These items are used for base mtg. only.

NOTE 9: A qty of 4 each SCBP0832BN6 are used to retain fron chassis, MS258 to wraparound until A467 is put into PSP.

NOTE 10: This unit to be shipped with PFCB-1 only upon customer's request.

NOTE 11: MS4142 to be used on first five unit only.

NOTE 12: Used only when 10K is used as 40K driver.

NOTE 13: For serial numbers 10600-1 thru 10600-4 use HFR-2A. For serial numbers 23243,4,5,6 use HFR-1A. For all others, use HFR-2B.

NOTE 14: Refer to marking Spec. S693.

NOTE 15: For 115V operation only.

NOTE 16: For 230V operation only.

NOTE 17: For 50 cycle operation only.

NOTE 18: For 60 cycle operation only.

NOTE 19: All items referenced to this note shall be shipped only upon customer's request and per customer's desired length or frequency.

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- NOTE 20: All items referenced to this note shall always be shipped either as Loose Items or as part of CA541-XX, or CA729-XX, or CA645-1-XX.
- NOTE 21: Frequency to be determined by customer.
- NOTE 22: All items referenced to this note must be used in conjunction with Spec. S1004 for proper marking of leads.
- NOTE 23: Supply one set of tools per station.
- NOTE 24: Omit all items referenced to this note when model used on is manufactured in house by TMC.
- NOTE 25: All items referenced to this note must be used in conjunction with LA107 print.
- NOTE 26: All items referenced to this note are supplied by vendor.
- NOTE 27: All items referenced to this note shall be shipped only when this unit is used with GPT-10K or GPT-40K system.
- NOTE 28: All items referenced to this note must be used in conjunction with Spec S1036 for proper marking leads.
- NOTE 29: All items referenced to this note must be used in conjunction with Spec. S1006 for proper marking of leads.
- NOTE 30: All items referenced to this note must be used in conjunction with appropriate marking Spec. referenced in Bill of Material.
- NOTE 31: Delete W101, CA480-3-11, and W102, CA1151-2 when TOC-7 is used with COR-3A or COR-4A.
- NOTE 32: For NAVY use only.
- NOTE 33: A. Operational Spares
B. 1 year Maintenance
C. 2 year Maintenance
D. Modules
- NOTE 34: Value of items referenced to this note are to be determined in test. Nominal value is as listed.
- NOTE 35: When SWCU-1 is used with GPT-10K, 40K, 200K all items referenced to this note shall be supplied and CA555-1 shall be used in place of CA555-4.
- NOTE 36: These items used for 4 point shock mtg. only.
- NOTE 37: These items used for 6 point shock mtg. only.

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- NOTE 38: Quantity and frequency of RF modules, AX432, determined by customers request. Maximum per unit, quantity 10. Blank Panel, AP119 shall be used for all spaces when less than 10 RF modules are required.
- NOTE 39: CR50A/U* frequency determined as ordered by customer. Xtal frequency shall be operating frequency plus 3KC.
- NOTE 40: Value of CX104 capacitor, symbol C201, 206 and C209 shall be computed by the following formula: C , in UF, equals 25.33 divided by $FXFXL$, where F equals operating frequency in KCS and L equals inductance of associated xfmr., T201, 203, 204.
- NOTE 41: Value of R219 is subject to factory selection. Range 1.2K to 8.2K ohms.
- NOTE 42: Complete part number is dependent on operating frequency. Select only one version of A3212-5-X for each RF module.
- NOTE 43: Items referenced to this note are used as a production aid, and should be procured only when required. (MS3488)
- NOTE 44: The AX432 model number shall be suffixed with the operating frequency for spare parts control.
- NOTE 45: All items referenced to this note are used only when the LPP-4 is used with DDR-7D.
- NOTE 46: All items referenced to this note are used only when the LPP-4 is used with the DDR-8/3023.
- NOTE 47: All items referenced to this note are used only when the LPP-4 is used with the DDR-8/3213 or DDR-8/3203.
- NOTE 48: To determine the qty of wire and contacts referenced to this note, multiply their quantities times the number of applicable CA875 leads used in the system.
- NOTE 49: Rubber Stamp, LD1741, is a production aid and shall be purchased only as required.
- NOTE 50: All items referenced to this note ^{are} optional.
- NOTE 51: All items referenced to this note for 50 ohm operation only.
- NOTE 52: All items referenced to this note for 70 ohm operation only.
- NOTE 53: Do not purchase or manufacture these items when the HFI-1 is used with HNF-1.

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- NOTE 54: See appropriate GPT-40K list for all items referenced to this note and for all aux frame equipment.
- NOTE 55: Items referenced to this note used only when this unit is used as part of 200K driver.
- NOTE 56: USE CJ102-2 and CJ102-3 to terminate CJ102-1-XX on a full link or CJ102-4 and CJ102-5 to terminate CJ102-1-XX on half link (to be determined in production)
- NOTE 57: CA892 and all items used on CA892 shall be omitted when AX512 is used with HFR-2.
- NOTE 58: All items referenced to this note shall be omitted when AX512 is used with HFRR-2.
- NOTE 59: All items referenced to this note are Parts Peculiar.
- NOTE 60: This is a purchasing package reference number P0240 and RR131. Do Not duplicate.
- NOTE 61: Exciter supplied with up to 8 modules, depending upon customer's requirements. If less than 8 modules are supplied, blank panels AP114, shall be supplied to fill remaining chassis space.
- NOTE 62: F908 Fuse size depends upon customer requirement of OC100, oven used.
- NOTE 63: All items referenced to this note are loose items needed when this unit is to be used on ATS system and when this unit is shipped alone.
- NOTE 64: All items referenced to this note are loose items needed when this unit is to be used with an SBT-1K system.
- NOTE 65: All items referenced to this note are loose items needed when this unit is to be used with an SBT-350 system.
- NOTE 66: All items referenced to this note are mounted separately in the rack on the top side of the base of the rack.
- NOTE 67: All items referenced to this note are as required.
- NOTE 68: Replaces AX632-1 in all TCSA-1's after serial #28491.
- NOTE 69: Deleted when AZ110, AZ111 and AZ112 are supplied with TCSA-1.
- NOTE 70: AX632-1 was used on the first ten (10) units (up to and including serial number #28491). It is obsolete and superseded by AX632-2.

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NOTE 71: All items referenced to this note shall be deleted for STR and STE and replaced with CU149-1.

NOTE 72: All items referenced to this note are shipped if interconnect cable is not shipped.

NOTE 73: NF105-2 or NF109 may be used in place of NF105-1.

NOTE 74: For frequency stability of 1 part in 10^6 .

NOTE 75: For frequency stability of 1 part in 10^7 .

NOTE 76: For frequency stability of 1 part in 10^8 .

NOTE 77: For audio response of ± 1.5 db, 350-3500 Hz USB.

NOTE 78: For audio response of ± 1.5 db, 350-3500 Hz LSB.

NOTE 79: For audio response of ± 1.5 db, 250-3040 Hz USB.

NOTE 80: For audio response of ± 1.5 db, 250-3040 Hz LSB.

NOTE 81: For audio response of ± 1.5 db, 250-6080 Hz USB.

NOTE 82: For audio response of ± 1.5 db, 250-6080 Hz LSB.

NOTE 83: RTIH-3 for 100 words per min.

NOTE 84: RTIH-3 for 60 words per min.

NOTE 85: For use on GPT10K(*)8 synthesized version only.

NOTE 86: For use on GPT10K(*)8 unsynthesized version only.

NOTE 87: To be used only when Kit is used with CHG 2B.

NOTE 88: To be used only when KIT is used with CHG 2A.

NOTE 89: To be used only when unit is used on VLRB-1.

NOTE 90: To be used only when unit is used on VLRC-1.

NOTE 91: Required for Project 15.

NOTE 92: To be used only with BCTR-10KYA.

NOTE 93: One of the items referenced by this note shall be selected depending on phase requirement.

NOTE 94: Required for ITT project.

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- NOTE 95: Items referenced to this note to be supplied by customer.
- NOTE 96: Items referenced to this note are for special purchasing use only.
- NOTE 97: Config. & No. of turns determined by test department.
- NOTE 98: Used on LFE for 42.5 cycles per second.
- NOTE 99: For use with LRCA-2 remote only.
- NOTE 100: Items referenced to this note are to be deleted from their appropriate standard unit material lists.
- NOTE 101: For use on automated equipment.
- NOTE 102: For use on manual equipment.
- NOTE 103: FCC type accepted.
- NOTE 104: For audio response of $\pm 1.5\text{db}$, 250 to 2,700Hz USB.
- NOTE 105: Typical Part Numbers, any combination of values may be used to obtain the total required value (size must be considered). Refer to CK drawing to determine total required value.
PURPOSE: TO USE FOR EXCESS STOCK
- NOTE 106: All items referenced to this note are used in the TLAA-1K when there is no TFP-1K in the system. When the TFP-1K is used these parts appear in the TFP-1K list.
- NOTE 107: Part as purchased from vendor must be modified in house for specific model (see associated drawing).
- NOTE 108: When ordering PC412, the assembly number and PC number should not be stamped from artwork, but stamped individually in house. (FOR MFE-1 stamp as A-4894)
- NOTE 109: For items referenced to this note, refer to S1258 for complete part number.
- NOTE 110: For items referenced to this note, 1416.666 khz should be added to desired output carrier frequency for complete part number.
- NOTE 111: For items referenced to this note the quantity and frequency are determined by customer requirement.
- NOTE 112: Items refer nced to this note are not used in the MFE-1.

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- NOTE 113A: Add all items referenced to this note when the TLAM-1K is used with an AP151 Power Supply.
- NOTE 113B: Delete all items referenced to this note when the TLAM-1K is used with an AP151 Power Supply.
- NOTE 114: Items referenced to this note are obsolete and should not be purchased, except when provisioning spares or replacement parts for obsolete units.
- NOTE 115: TM125 Specification
- NOTE 116: Items referenced to this note are to be used only on assemblies for channel frequencies above 12 Mhz.
- NOTE 117: Items referenced to this note are to be used only on assemblies for channel frequencies above 8 Mhz.
- NOTE 118: All items referenced to this note are used only on Model TM125(D).
- NOTE 119: All items referenced to this note are not used on Model TM125(D).
- NOTE 120: Diodes referenced to this spec must be matched in accordance with S1321.
- NOTE 121: Resistors referenced to this note are matched pairs.
- NOTE 122: For audio response of ± 1.5 db, 300-2700 Hz USB.
- NOTE 123: For audio response of ± 1.5 db, 300-2700 Hz LSB.
- NOTE 124: Items referenced to this note are used in KIT368 only when the MMXA-2A exciter is part of the transmitting system using the ATSA-3 antenna tuner.
- NOTE 125: Items referenced to this note are used in KIT368 only when the MMXA-2A exciter is not part of the transmitting system using the ATSA-3 antenna tuner.
- Note 126: Part must be ordered from ERIE.
- Note 127: Part must be ordered from TI (SN7404N).
- Note:128: For use only when SMEA-5 is used with GPT-1K Series.
- Note 129: Items referenced to this note are to be deleted when TU-2A is modified with KIT 411 incorporated.
- Note 130: Items referenced to this note are to be deleted when BMA 528 (Flat Panel Diag.) is used for MMX(A)-2.

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- NOTE 131: For use only when MMX()-2 is used with "GPT" series transmitter.
- NOTE 132: For use only when MMS()-2 is used with "HFTA" series transmitter.
- NOTE 133: Req'd for MMXM-2 when S.O.# 525077 specs are incorporated.
- NOTE 134: Items referenced to this note for use only on model ATU-1K8.
- NOTE 135: Items referenced to this note for use only on remote version.
- NOTE 136: Items referenced to this note are deleted when remote config. is req'd.
- NOTE 137: Items referenced to this note are deleted when RF and control cables are supplied.

REVISION SHEET

THE TECHNICAL MATERIAL CORP.
MAMARONECK NEW YORK

S1200

LIST NO.

| DATE | REV. | SHEET | EMN # | DESCRIPTION | APP. |
|----------|------|-------|-------|--|------|
| 1/13/67 | X3 | ----- | ----- | Added notes 51 thru 59. | |
| 3/2/67 | X4 | | | Reworded note 2, added notes 60 thru 66. | |
| 4/26/67 | X5 | ----- | ----- | Added notes 67 thru 72 | |
| 7/26/67 | X6 | ----- | ----- | CA645-1-XX added to Note 20 | |
| 9/21/67 | X7 | ----- | ----- | note 74 - Note 82 Added | |
| 11/6/67 | X8 | ----- | ----- | Note 83: and 84: Added. | |
| 1/17/68 | X9 | ----- | ----- | NOTE 85: and 86: Added. | |
| 4/1/68 | X10 | | | NOTE 87 added. | |
| 7/24/68 | X11 | ----- | ----- | NOTE 88 added | |
| 2/12/69 | X12 | ----- | ----- | Note 95 added. | |
| | X13 | | | Note 96 & 97 added | |
| 10/21/70 | X14 | | | CHG Note 33, ADD NOTE 98 | |
| 1/4/70 | X15 | | | NOTE 99 ADDED | |
| | X16 | | | NOTE 100, 101, 102 ADDED. | |
| 3/23/71 | X17 | | | NOTE 103 ADDED | |
| 4/1/71 | X18 | | | NOTE 104 & 105 ADDED. | |
| 11/9/71 | X19 | | | NOTE 106, 107, & 108 ADDED. | |
| 1/6/71 | X20 | | | NOTE 109 & 110 added. | |
| 1/18/71 | X21 | | | NOTE 111 added. | |
| 1/19/71 | X22 | | | NOTE 112 added. | |
| 8/4/72 | X23 | | | NOTE 113A & 113B Added. | |
| 7/4/72 | X24 | | | Note 114 Added | |
| 9/14/74 | X25 | | | Notes 115 thru 125 Added | |