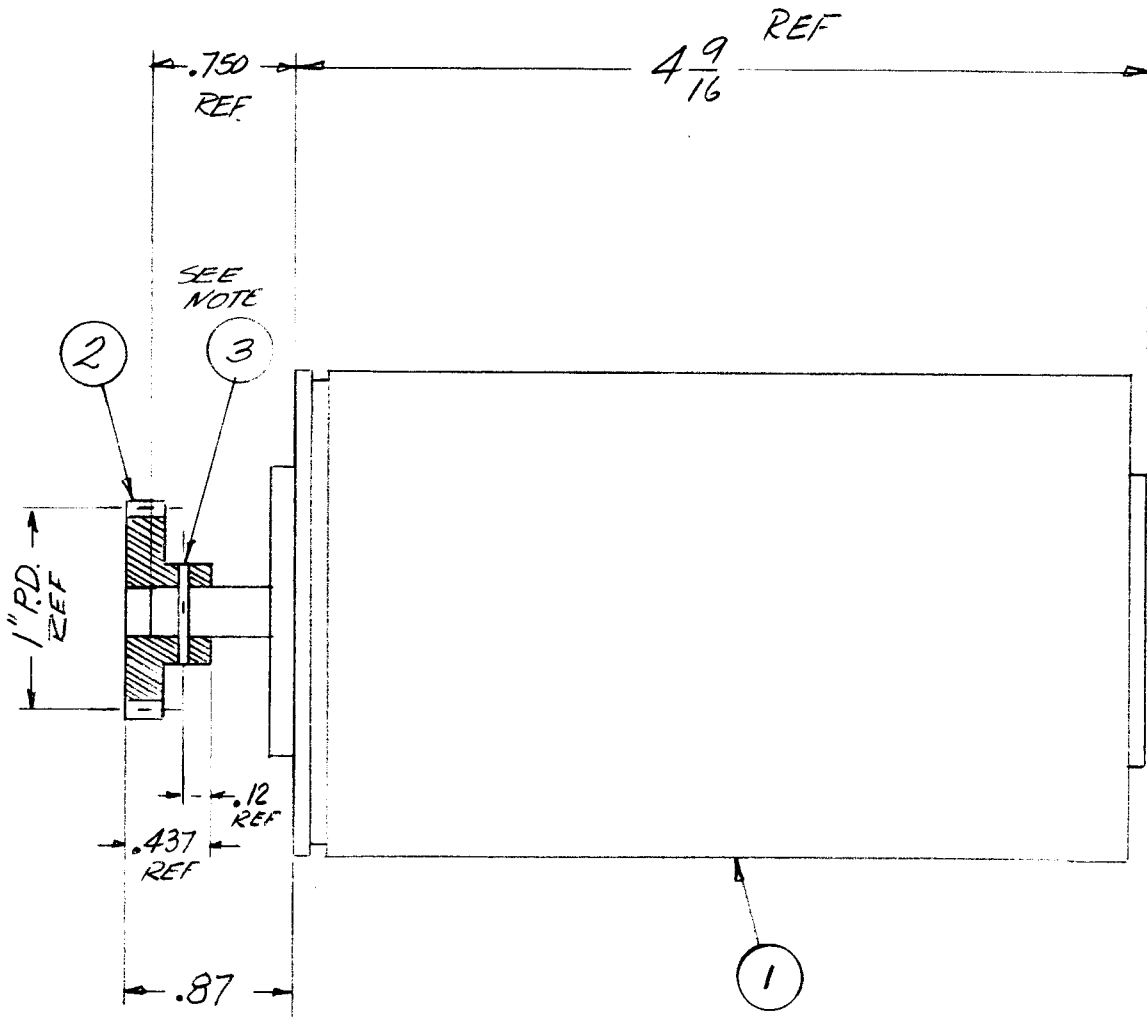


| APPLICATION | | | REVISIONS | | | | | | | |
|-------------|---------------|-----------|-----------|------------------|--------|----------|-------|------|------|--|
| QTY | MODEL USED ON | ASS'Y NO. | LTR | DESCRIPTION | DATE | E.M.N.NO | DRAFT | CHKD | APPD | |
| 1 | GPTR 10K1) | AF109 | Ø | ORIGINAL RELEASE | 5/3/73 | | CS | | | |



NOTE: #45 (.082) DRILL & TAPER
REAM FOR #5/0 TAPER PIN AT ASSEM.

| REQ'D | ITEM | PART NUMBER | DESCRIPTION | SYM. |
|-------|------|-------------|-------------------------|------|
| 1 | 3 | PN 121-1 | PIN, TAPER | |
| 1 | 2 | GR205-43 | GEAR, PIC CAT.No. G4124 | |
| 1 | 1 | MO-129 | GEAR MOTOR | |

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES AND INCLUDE CHEMICALLY APPLIED OR PLATED FINISHES

| | |
|-------------|--------------|
| DECIMALS | FRACTIONS |
| X ± .05 | 1/64 |
| .XX ± .01 | TOLS. ANGLES |
| .XXX ± .005 | 0° - 30' |

| | |
|---------------------|--------------|
| FINAL APPROVAL | DATE |
| MECH. DES. J. ANGER | DATE 6/13/69 |
| ELECT. DES. | DATE |
| CHECKED | DATE |
| DRAWN J. ANGER | DATE 6/13/69 |

LIST OF MATERIAL

THE TECHNICAL MATERIEL CORP.
MAMARONECK, NEW YORK

MOTOR & GEAR ASSEMBLY

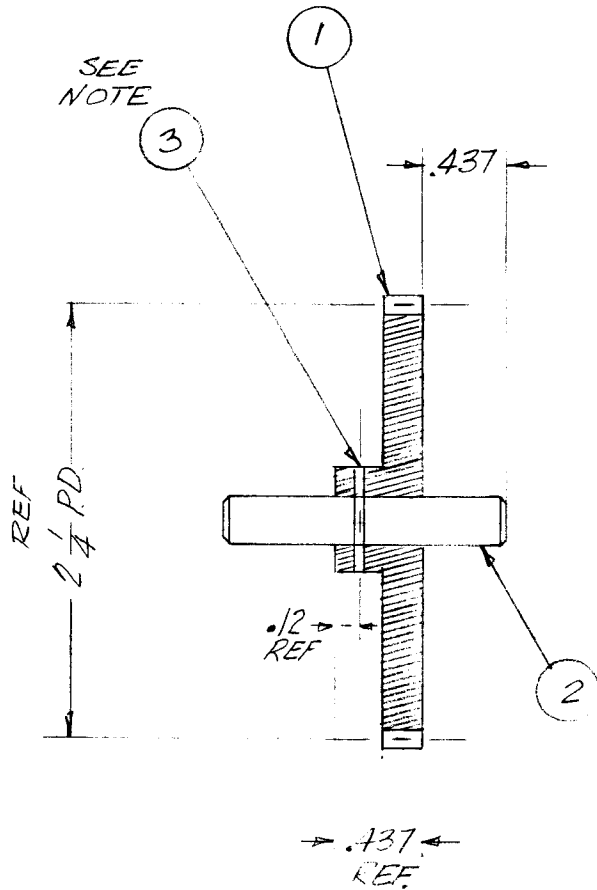
MATERIAL

FINISH

| | | | | | | | |
|--|--|--|--------------|-----------|--------------------------|------------------|------------|
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| SCALE — | | | SHEET 1 OF 1 | | | | |

| APPLICATION | | | REVISIONS | | | | | | |
|-------------|---------------|-----------|-----------|------------------|--------|----------|-------|------|------|
| QTY | MODEL USED ON | ASS'Y NO. | LTR | DESCRIPTION | DATE | E.M.N.NO | DRAFT | CHKD | APPD |
| 1 | GPTR 10K () | AF109 | 0 | ORIGINAL RELEASE | 5/3/73 | | CS | | |

NOTE: #45 (082) DRILL & TAPER
REAM FOR #5/16 TAPER PIN
AT ASSEM.



| REQ'D | ITEM | PART NUMBER | DESCRIPTION | SYM. |
|-------|------|-----------------|--------------------------|------|
| 1 | 3 | PN 121-1 | PIN, TAPER | |
| 1 | 2 | PM 1051 RF1.500 | SHAFT | |
| 1 | 1 | GR205-42 | GEAR, PIC CAT. NO. 64154 | |

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
AND INCLUDE CHEMICALLY APPLIED
OR PLATED FINISHES

| DECIMALS | FRACTIONS | TOLS. | ANGLES |
|-------------|-----------|-------|----------|
| .X ± .05 | 1/64 | | |
| .XX ± .01 | | | 0° - 30° |
| .XXX ± .005 | | | |

MATERIAL

FINISH

| | |
|-----------------|---------|
| FINAL APPROVAL | DATE |
| <i>J. ANGER</i> | 6/13/69 |
| MECH. DES. | DATE |
| <i>J. ANGER</i> | 6/13/69 |
| ELECT. DES. | DATE |
| CHECKED | DATE |
| DRAWN | DATE |
| <i>J. ANGER</i> | 6/13/69 |

LIST OF MATERIAL

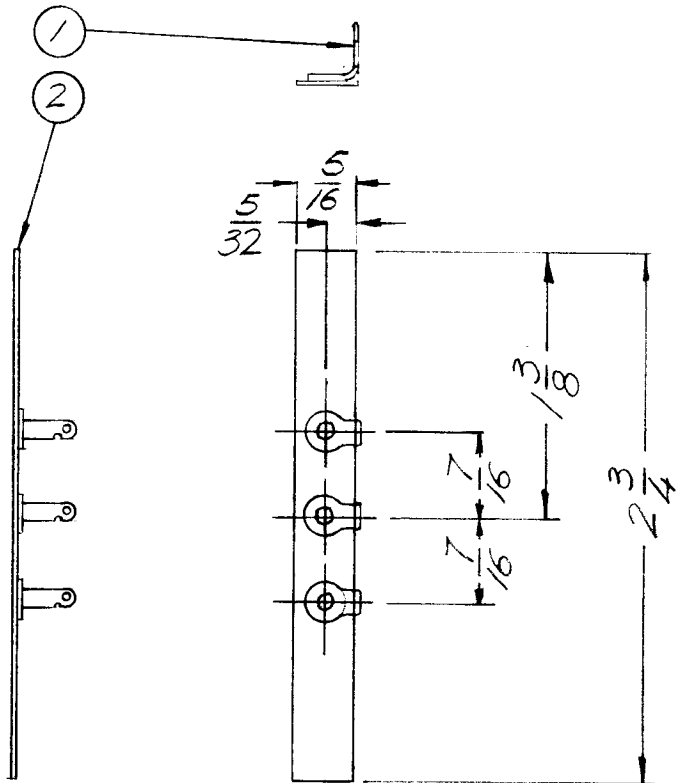
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MAMARONECK, NEW YORK

GEAR & SHAFT ASSEM.

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| | | | |
|-------|-----------------|---------|-------|
| SIZE | CODE IDENT. NO. | DWG NO. | ISSUE |
| A | 82679 | A4812 | 0 |
| SCALE | 1:1 | SHEET | OF |

| APPLICATION | | | REVISIONS | | | | | | | |
|-------------|---------------|-----------|-----------|-----------------------|----------|----------|-------|------|------|--|
| QTY | MODEL USED ON | ASS'Y NO. | LTR | DESCRIPTION | DATE | E.M.N.NO | DRAFT | CHKD | APPD | |
| | PALA-10K | TZ 229 | X | EXP RELEASE | 10/21/69 | | GE | | | |
| | | | Ø | ORIG RELEASE FOR PROD | 3/22/70 | | CV | | | |



| | | | |
|---|---|-----------|------------------------------|
| 1 | 2 | IM-179-22 | INSULATION, RECT, FISH PAPER |
| 3 | 1 | TE-151 | TERMINAL |

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES AND INCLUDE CHEMICALLY APPLIED OR PLATED FINISHES

| REQ'D | ITEM | PART NUMBER | DESCRIPTION | SYM. |
|-------|------|-------------|-------------|------|
|-------|------|-------------|-------------|------|

| DECIMALS | FRACTIONS |
|-------------|--------------|
| X ± .05 | 1/64 |
| .XX ± .01 | TOLS. ANGLES |
| .XXX ± .005 | 0° - 30' |

LIST OF MATERIAL

MATERIAL

FINAL APPROVAL *[Signature]* DATE 3/22/70

THE TECHNICAL MATERIEL CORP.
MAMARONECK, NEW YORK

FINISH

MECH. DES. DATE

ELECT. DES. DATE

CHECKED DATE

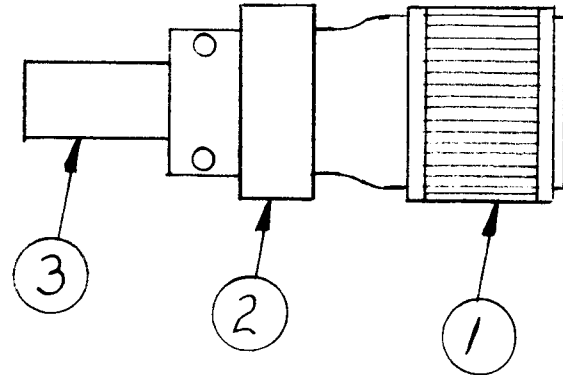
DRAWN E VANGEUST DATE 7/20/69

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| SIZE | CODE IDENT. NO. | DWG NO. | ISSUE |
|------|-----------------|---------|-------|
| A | 82679 | A 4841 | Ø |

SCALE 1:1 SHEET OF

| APPLICATION | | | REVISIONS | | | | | | |
|-------------|---------------|-----------|-----------|------------------|---------|----------|-------|------|------|
| QTY | MODEL USED ON | ASS'Y NO. | LTR | DESCRIPTION | DATE | E.M.N.NO | DRAFT | CHKD | APPD |
| 1 | HFTA-10K | LP185 | Ø | ORIGINAL RELEASE | 9/10/70 | | | | |



ASY NOTES:

- A. USING IT. 4, 5, 6 JUMP
 - 1. PIN L TO N
 - 2. PIN P TO R
- B. CONNECT CLAMP & TIGHTEN.
- C. INSERT BUSHING FULLY INTO CLAMP & TIGHTEN.

| | | | |
|---|---|---------------|--------------------|
| | 6 | BS100 | SOLDER TIN ALLOY |
| | 5 | PX100-1-034 | INS, SLUG |
| | 4 | WL100-7 | WIRE, ELEC, BUSS |
| 1 | 3 | MS3420-16A | BUSH, RUB |
| 1 | 2 | MS3057-16 | CLP, CBL, EL CONN |
| 1 | 1 | MS3106B24-28S | CONN, PL, FML 24/C |

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES AND INCLUDE CHEMICALLY APPLIED OR PLATED FINISHES

| DECIMALS | FRACTIONS |
|-------------|--------------|
| .X ± .05 | 1/64 |
| .XX ± .01 | TOLS. ANGLES |
| .XXX ± .005 | 0° - 30' |

| REQ'D | ITEM | PART NUMBER | DESCRIPTION | SYM. |
|-------|------|-------------|-------------|------|
|-------|------|-------------|-------------|------|

LIST OF MATERIAL

MATERIAL

FINISH

| | |
|--------------------|-----------|
| FINAL APPROVAL | DATE |
| <i>[Signature]</i> | 10 SEP 70 |
| MECH. DES. | DATE |
| ELECT. DES. | DATE |
| <i>[Signature]</i> | 9 SEP 70 |
| CHECKED | DATE |
| DRAWN | DATE |
| <i>[Signature]</i> | 9 SEP 70 |

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MAMARONECK, NEW YORK

JUMPER ASY, XMTR CONTROL

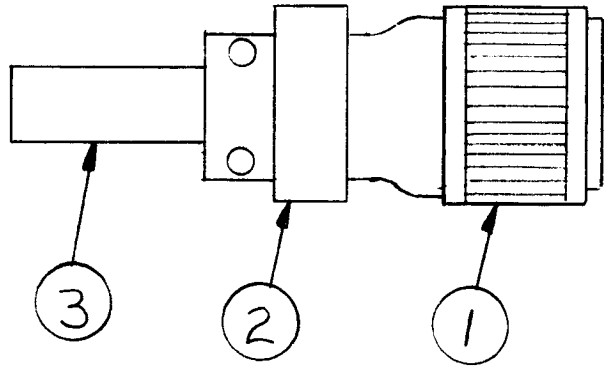
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| | | | |
|-------|-----------------|---------|-------|
| SIZE | CODE IDENT. NO. | DWG NO. | ISSUE |
| A | 82679 | A4848 | Ø |
| SCALE | SHEET | | OF |

| APPLICATION | | | REVISIONS | | | | | | |
|-------------|---------------|----------|-----------|----------------------|---------|----------|-------|------|------|
| QTY | MODEL USED ON | ASSY NO. | LTR | DESCRIPTION | DATE | E.M.N.NO | DRAFT | CHKD | APPD |
| 1 | HFTA-10K | LP185 | Ø | ORIGINAL RELEASE | 7/10/70 | | CO | | |
| | | | A | ADD NOTE 3 TO A NOTE | 2-1-73 | 21001 | GE | ✓ | ads |

ASY NOTES :

- A. USING IT. 4, 5, 6 JUMP
 - 1. PIN S TO Y 3. PIN K TOL
 - 2. PIN d TO h
- B. CONNECT CLAMP & TIGHTEN
- C. INSERT BUSHING FULLY INTO CLAMP & TIGHTEN.



| REQ'D | ITEM | PART NUMBER | DESCRIPTION | SYM. |
|-------|------|--------------|---------------------|------|
| | 6 | BS108 | SOLDER, TIN ALLOY | |
| | 5 | FX184-1-Ø34 | INS, SLUG | |
| | 4 | WLIØØ-7 | WIRE, ELEC, BUSS | |
| 1 | 3 | MS342Ø-2ØA | BUSH, RUB | |
| 1 | 2 | MØ3Ø57-2Ø | CLP, CBL, EL CONN | |
| 1 | 1 | MS31Ø6B32-7S | CONN, PL, FHL, 35/C | |

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES AND INCLUDE CHEMICALLY APPLIED OR PLATED FINISHES

| DECIMALS | FRACTIONS |
|-------------|--------------|
| .X ± .05 | 1/64 |
| .XX ± .01 | TOLS. ANGLES |
| .XXX ± .005 | 0° 30' |

| | | |
|----------|-----------------------------------|----------------|
| MATERIAL | FINAL APPROVAL <i>[Signature]</i> | DATE 10 SEP 70 |
| FINISH | MECH. DES. | DATE |
| | ELECT. DES. <i>[Signature]</i> | DATE 9 SEP 70 |
| | CHECKED | DATE |
| | DRAWN <i>[Signature]</i> | DATE 9 SEP 70 |

LIST OF MATERIAL

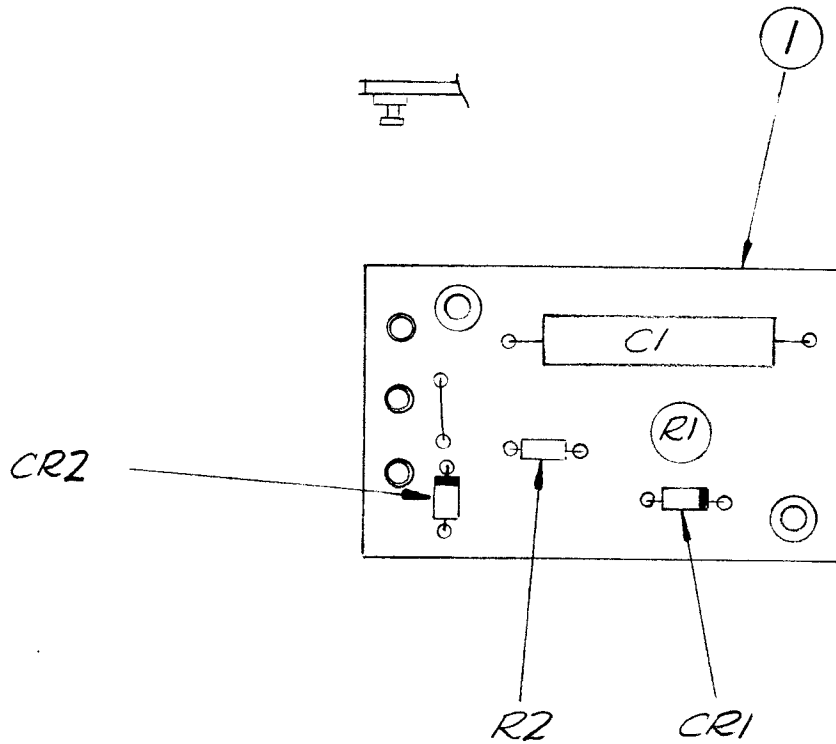
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MAMARONECK, NEW YORK

JUMPER ASY, XMTR CONTROL

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| | | | |
|-----------|--------------------------|------------------|------------|
| SIZE A | CODE IDENT. NO. 82679 | DWG NO. A4849 | ISSUE A |
| SCALE | | SHEET OF | |

| APPLICATION | | | REVISIONS | | | | | | |
|-------------|---------------|-----------|-----------|-----------------------|--------|----------|-------|------|------|
| QTY | MODEL USED ON | ASS'Y NO. | LTR | DESCRIPTION | DATE | E.M.N.NO | DRAFT | CHKD | APPD |
| | MMX ()-2 | | Ø | ORIG RELEASE FOR PROD | 5/9/71 | | CU | | GE |



ASSEMBLY NOTES

1. TO MOUNT COMPONENTS INSERT LEADS THROUGH PLATED THRU HOLES.
2. **CAUTION** WHEN APPLYING HEAT AND SOLDER TO LEAD AND FOIL.
3. **CLEAN AND INSPECT** AS PER SPEC S676.
4. FOR ELECTRICAL COMPONENT PART NUMBERS REFER TO NPL A 4874
5. USE SYMBOL NUMBERS FOR ASSEMBLY REFERENCE.

| REQ'D | ITEM | PART NUMBER | DESCRIPTION | SYM. |
|-------|------|-------------|------------------|------|
| X | 2 | BS 100 | SOLDER TIN ALLOY | |
| 1 | 1 | PC-596 | P.C. BOARD | |

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES AND INCLUDE CHEMICALLY APPLIED OR PLATED FINISHES

| DECIMALS | FRACTIONS | TOLS. | ANGLES |
|-------------|-----------|-------|----------|
| .X ± .05 | 1/64 | | |
| .XX ± .01 | | | 0° - 30' |
| .XXX ± .005 | | | |

MATERIAL

FINISH

| FINAL APPROVAL | DATE |
|--------------------|--------------------|
| <i>[Signature]</i> | |
| MECH. DES. | DATE |
| ELECT. DES. | DATE |
| CHECKED | DATE |
| DRAWN <i>GE</i> | DATE <i>5/9/71</i> |

LIST OF MATERIAL

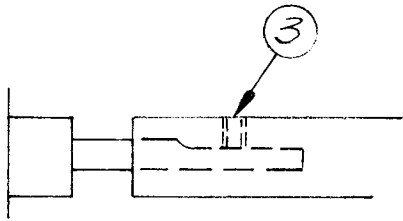
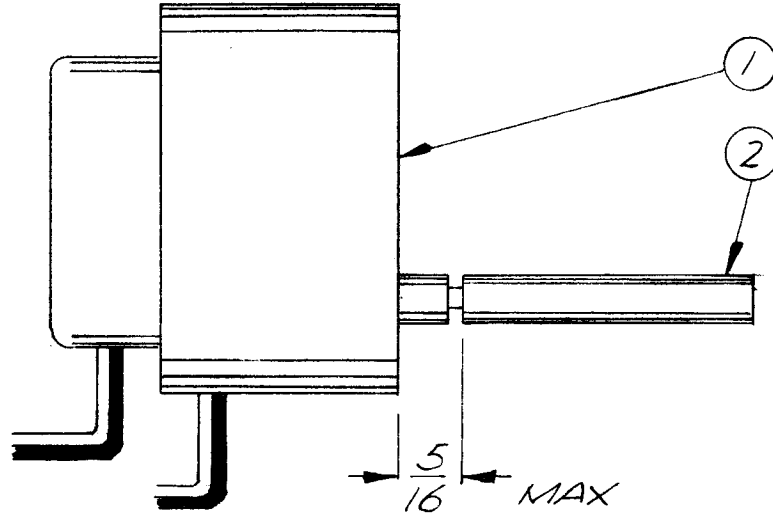
THE TECHNICAL MATERIEL CORP.
MAMARONECK, NEW YORK

ASSY. P.C. BOARD

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| SIZE | CODE IDENT. NO. | DWG NO. | ISSUE |
|-----------|-----------------|----------|-------|
| A | 82679 | A 4874 | 1 |
| SCALE 1:1 | | SHEET OF | |

| APPLICATION | | | REVISIONS | | | | | | | |
|-------------|---------------|-----------|-----------|-----------------------|--------|----------|-------|------|------|--|
| QTY | MODEL USED ON | ASS'Y NO. | LTR | DESCRIPTION | DATE | E.M.N.NO | DRAFT | CHKD | APPD | |
| 1 | AX5130 | BMA466 | Ø | ORIG RELEASE FOR PROD | 9/3/71 | | CV | | | |



1. INSERT EASTMAN 910 INTO OPENING OF ITEM 2.
2. INSERT ITEM 2 ON MOTOR SHAFT.
3. SCREW DOWN SET SCREW TO FLAT ON MOTOR SHAFT.
4. GRIND SET SCREW FLUSH TO ITEM 2.

| QTY | REQ'D ITEM | PART NUMBER | DESCRIPTION | SYM. |
|-----|------------|-------------|-------------------|------|
| x 4 | | EAST. 910 | EASTMAN, ADHESIVE | |
| 1 | 3 | SLHC0440SP3 | SCREW, ALLEN | |
| 1 | 2 | PM 1498 | SHAFT | |
| 1 | 1 | MO-136 | MOTOR, REVERSIBLE | |

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES AND INCLUDE CHEMICALLY APPLIED OR PLATED FINISHES

| DECIMALS | FRACTIONS |
|-------------|-----------|
| .X ± .05 | 1/64 |
| .XX ± .01 | ANGLES |
| .XXX ± .005 | 0° - 30° |

F. BUDETTI

LIST OF MATERIAL

THE TECHNICAL MATERIEL CORP.
MAMARONECK, NEW YORK

MATERIAL

FINAL APPROV. *[Signature]* DATE 8/30/71

FINISH

MECH. DES. *[Signature]* DATE 8/30/71

ELECT. DES. *[Signature]* DATE 8-30-71

CHECKED DATE

DRAWN *GE* DATE 8/27/71

MOTOR, ASSY.

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| SIZE | CODE IDENT. NO. | DWG NO. | ISSUE |
|-------|-----------------|---------|--------------------|
| A | 82679 | A 4890 | <i>[Signature]</i> |
| SCALE | | SHEET | OF |