

Component-Level Information Packet for 08591-60048

10 MHz TCXO



HP Part No. 08591-90086
Printed in USA August 1995

**HP Part Number 08591-60048
10 MHz TCXO**

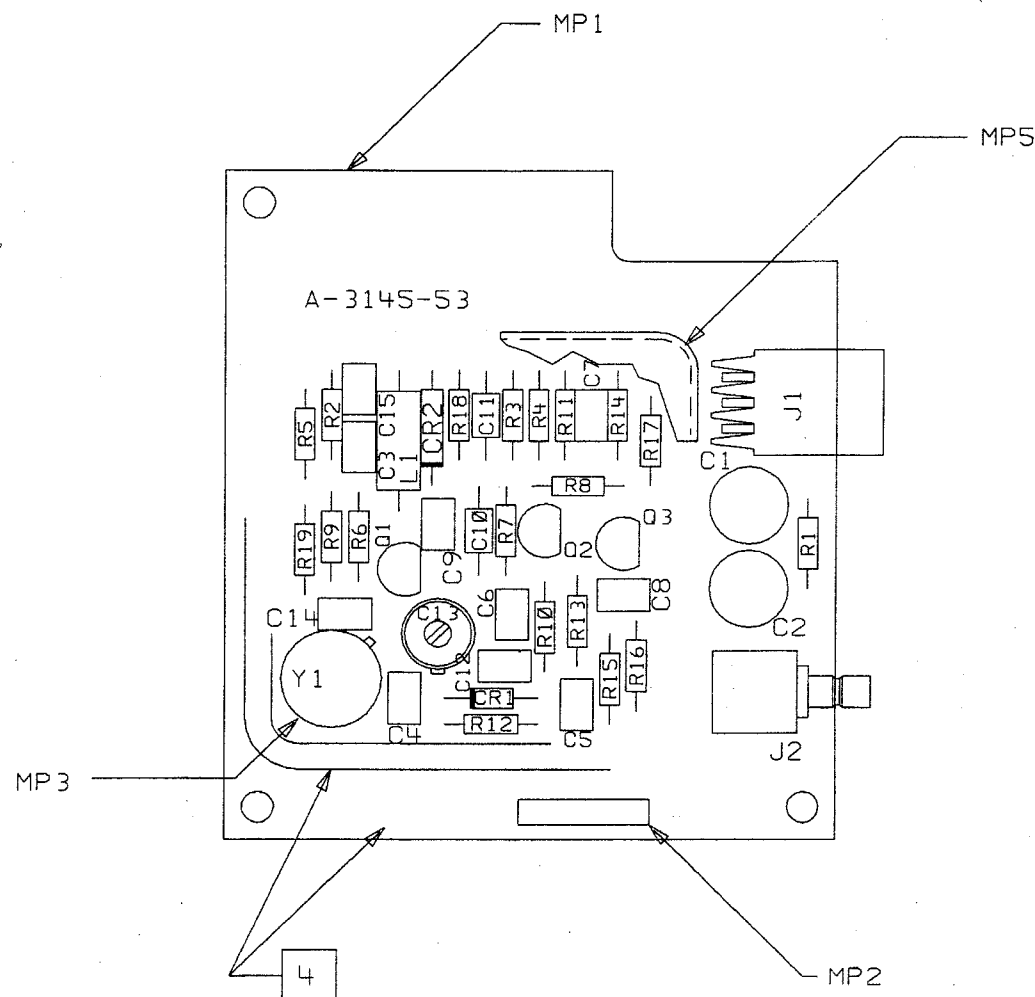
| Reference Designator | HP Part Number | Qty | Description | Mfr Code | Mfr Part Number |
|----------------------|----------------|-----|---|----------|------------------|
| C1 | 0180-3847 | 1 | CAP-FXD 22uF +-10% 25 V TA | 28480 | 0180-3847 |
| C2 | 0180-3847 | 1 | CAP-FXD 22uF +-10% 25 V TA | 28480 | 0180-3847 |
| C3 | 0160-3879 | 1 | CAP-FXD 0.01uF +-20% 100 V CER X7R | 28480 | 0160-3879 |
| C4 | 0160-3879 | 1 | CAP-FXD 0.01uF +-20% 100 V CER X7R | 28480 | 0160-3879 |
| C5 | 0160-3879 | 1 | CAP-FXD 0.01uF +-20% 100 V CER X7R | 28480 | 0160-3879 |
| C6 | 0160-3879 | 1 | CAP-FXD 0.01uF +-20% 100 V CER X7R | 28480 | 0160-3879 |
| C7 | 0160-3879 | 1 | CAP-FXD 0.01uF +-20% 100 V CER X7R | 28480 | 0160-3879 |
| C8 | 0160-3879 | 1 | CAP-FXD 0.01uF +-20% 100 V CER X7R | 28480 | 0160-3879 |
| C9 | 0160-4518 | 1 | CAP-FXD 3.9pF +-12.82% 200 V CER C0G | 28480 | 0160-4518 |
| C10 | 0160-4811 | 1 | CAP-FXD 270pF +-5% 100 V CER C0G | 28480 | 0160-4811 |
| C11 | 0160-4811 | 1 | CAP-FXD 270pF +-5% 100 V CER C0G | 28480 | 0160-4811 |
| C12 | 0160-4521 | 1 | CAP-FXD 12pF +-5% 200 V CER C0G | 28480 | 0160-4521 |
| C13 | 0121-0443 | 1 | CAP-VAR 9pF 3pF 160 V CER | 28480 | 0121-0443 |
| C14 | 0160-3879 | 1 | CAP-FXD 0.01uF +-20% 100 V CER X7R | 28480 | 0160-3879 |
| C15 | 0160-3879 | 1 | CAP-FXD 0.01uF +-20% 100 V CER X7R | 28480 | 0160-3879 |
| CR1 | 0122-0161 | 1 | DIODE-VVC 2.15PF 7% C 3/C25-MIN=4.5 | 28480 | 0122-0161 |
| CR2 | 1901-0535 | 1 | DIODE-SCHOTTKY SM SIG | 28480 | 1901-0535 |
| J1 | 1252-0637 | 1 | CONN-POST TYPE .100-PIN-SPCG-MTG-END | 28480 | 1252-0637 |
| J2 | 1250-0543 | 1 | CONNECTOR-RF SMB PLUG PC-W-STDFS 50-OHM | 28480 | 1250-0543 |
| L1 | 9140-0266 | 1 | INDUCTOR RF-CH-MLD 1.8uH +-5% | 28480 | 9140-0266 |
| MP3 | 1200-0173 | 1 | INSULATOR-XSTR DAP-GL | 02608 | 7717-86 DAP |
| MP5 | 7100-1324 | 1 | CAN-SQ | 01932 | HU-4532-2.625-ST |
| Q1 | 1854-0215 | 1 | TRANSISTOR NPN SI TO-92 PD=625MW | 28480 | 1854-0215 |
| Q2 | 1854-0215 | 1 | TRANSISTOR NPN SI TO-92 PD=625MW | 28480 | 1854-0215 |
| Q3 | 1854-0215 | 1 | TRANSISTOR NPN SI TO-92 PD=625MW | 28480 | 1854-0215 |
| R1 | 0698-7212 | 1 | RESISTOR 100 +-1% .05W TF TC=0+-100 | 28480 | 0698-7212 |
| R2 | 0698-7260 | 1 | RESISTOR 10K +-1% .05W TF TC=0+-100 | 28480 | 0698-7260 |
| R3 | 0698-7260 | 1 | RESISTOR 10K +-1% .05W TF TC=0+-100 | 28480 | 0698-7260 |
| R4 | 0698-7253 | 1 | RESISTOR 5.11K +-1% .05W TF TC=0+-100 | 28480 | 0698-7253 |
| R5 | 0698-7253 | 1 | RESISTOR 5.11K +-1% .05W TF TC=0+-100 | 28480 | 0698-7253 |
| R6 | 0698-7205 | 1 | RESISTOR 51.1 +-1% .05W TF TC=0+-100 | 28480 | 0698-7205 |
| R7 | 0698-7205 | 1 | RESISTOR 51.1 +-1% .05W TF TC=0+-100 | 28480 | 0698-7205 |
| R8 | 0698-7205 | 1 | RESISTOR 51.1 +-1% .05W TF TC=0+-100 | 28480 | 0698-7205 |
| R9 | 0698-7250 | 1 | RESISTOR 3.83K +-1% .05W TF TC=0+-100 | 28480 | 0698-7250 |
| R10 | 0698-7226 | 1 | RESISTOR 383 +-1% .05W TF TC=0+-100 | 28480 | 0698-7226 |

**Indicates factory-selected value*

**HP Part Number 08591-60048
10 MHz TCXO (continued)**

| Reference Designator | HP Part Number | Qty | Description | Mfr Code | Mfr Part Number |
|----------------------|----------------|-----|---------------------------------------|----------|-----------------|
| R11 | 0698-7227 | 1 | RESISTOR 422 +-1% .05W TF TC=0+-100 | 28480 | 0698-7227 |
| R12 | 0698-7260 | 1 | RESISTOR 10K +-1% .05W TF TC=0+-100 | 28480 | 0698-7260 |
| R13 | 0698-7260 | 1 | RESISTOR 10K +-1% .05W TF TC=0+-100 | 28480 | 0698-7260 |
| R14 | 0698-7228 | 1 | RESISTOR 464 +-1% .05W TF TC=0+-100 | 28480 | 0698-7228 |
| R15 | 0698-7233 | 1 | RESISTOR 750 +-1% .05W TF TC=0+-100 | 28480 | 0698-7233 |
| R16 | 0698-7197 | 1 | RESISTOR 23.7 +-1% .05W TF TC=0+-100 | 28480 | 0698-7197 |
| R17 | 0698-7260 | 1 | RESISTOR 10K +-1% .05W TF TC=0+-100 | 28480 | 0698-7260 |
| R18 | 0698-7229 | 1 | RESISTOR 511 +-1% .05W TF TC=0+-100 | 28480 | 0698-7229 |
| R19 | 0698-7205 | 1 | RESISTOR 51.1 +-1% .05W TF TC=0+-100 | 28480 | 0698-7205 |
| Y1 | 0410-0405 | 1 | PRECISION BULK MODE-AT CRYSTAL QUARTZ | 28480 | 0410-0405 |

| SYM | REVISIONS | APPROVED | DATE |
|-----|--------------|----------|------|
| A | AS ISSUED DM | | |
| | | | |
| | | | |



NOTES: UNLESS OTHERWISE SPECIFIED.

1. DIMENSIONS ARE IN INCHES.
2. REMOVE TABS AFTER MACHINE SOLDER.
3. MAXIMUM LEAD TRIM LENGTH .118
4. ALL MOUNTING HOLES AND INDICATED TRACE AREAS ARE TO BE FREE OF EXCESS SOLDER.

SEE 08591-60048 MATERIAL LIST

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UNLESS OTHERWISE SPECIFIED,
 DIMENSIONS ARE IN INCHES.

TOLERANCES: XX.XXX ±.010
 XX.XX ±.02

THIRD ANGLE
 PROJECTION

DO NOT SCALE THIS DRAWING

DRAWN BY _____ DATE _____

ENGINEER/CHECKER _____ DATE _____

RELEASE TO PROD. _____ DATE _____

SUPERSEDES DWG. _____

ASSEMBLY, PWB

10 MHz VCXO

TITLE

alaca048
 FILENAME

SCALE NONE

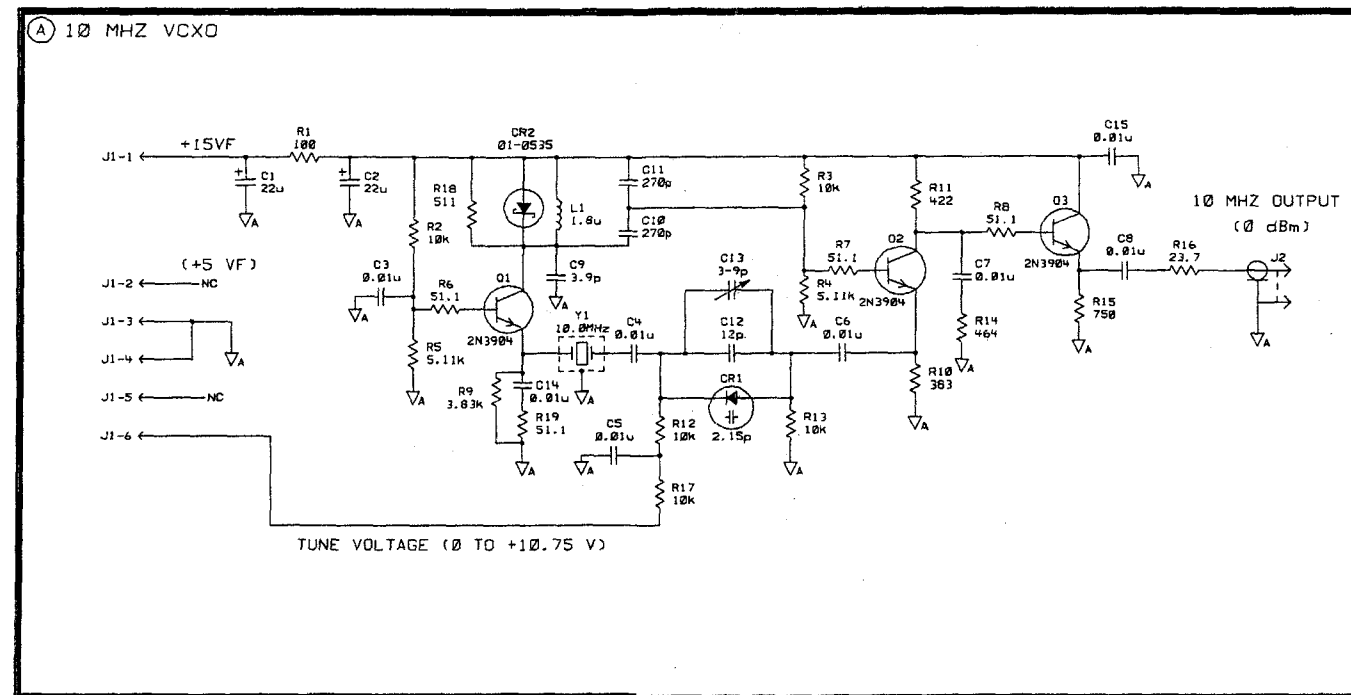
SHEET 1 of 1

C-08591-60048-2

HEWLETT
 PACKARD

08591-60048
 PART NUMBER

| | | | | | |
|------|-----------|------|----|-----------------|----------|
| 5300 | | 3145 | | C-08591-60048-1 | |
| SYM | REVISIONS | | | APPROVED | DATE |
| A | AS ISSUED | | DM | WING MAR/ | 03-23-92 |
| | | | | | |



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| | |
|------------------------------|-----------------|
| WING MAR DRAWN BY | 4-16-91 DATE |
| WING MAR ENGINEER/CHECKER | 4-16-91 DATE |
| RELEASE TO PROD. | DATE |
| SUPERSEDES DWG. | |

SCHMATIC, PWA
 10 MHz VCXO

TITLE

| | |
|----------------------|----------------------------|
| slaca048 FILENAME | HEWLETT PACKARD |
| SCALE NONE | |
| SHEET 1 OF 1 | 08591-60048 PART NUMBER |
| C-08591-60048-1 | |