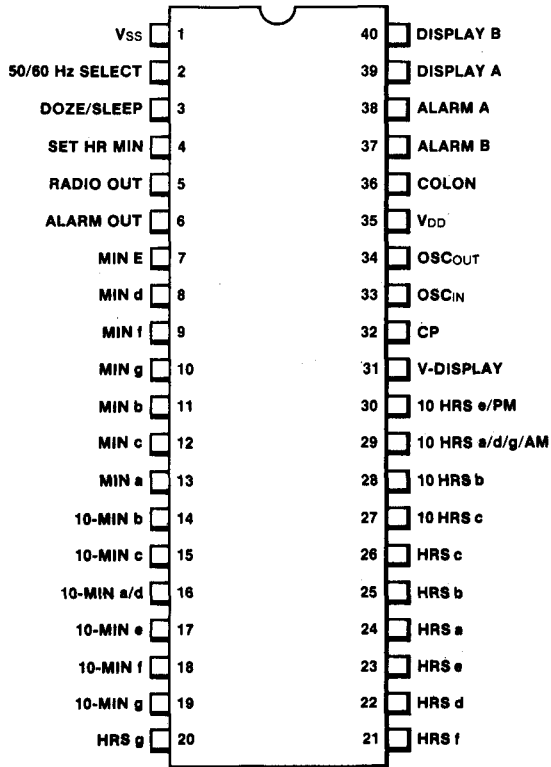


DIGITAL-MOS

S12
FCM7010/FCM7015



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MOS

RANDOM LOGIC FUNCTIONS (For Other MOS Circuits—See Fairchild Memories)

| Item | Function | DEVICE NO. | Temperature (1) | No. of Pins | Logic/Connection Diagram | Packages(s) (4) |
|------|--|------------|-----------------|-------------|--------------------------|-------------------|
| 1 | TV Sync Generator | 3262A | C | 16 | S1 | 6Z |
| 2 | TV Sync Generator with Generator Lock | 3262B | C | 16 | S2 | 6Z |
| 3 | 8-Channel Multiplex Switch | 3708 | C, L, M | 16 | S3 | 4A,6Z,8K 8U,9B |
| 4 | Digital Voltmeter | 3814 | C | 24 | S4 | 7M |
| 5 | 5-Decade Counter | 3815 | C | 24 | S5 | 7M |
| 6 | Programmable Counter 3 thru 262,145 | 3816 | C | 16 | S6 | 6Z,8K,9B |
| 7 | USART | F3843 | C | 28 | S8 | 8E |
| 8 | Synchronous Protocol Communications Controller | F3846 (3) | C | 40 | — | — |

TIMEKEEPING CIRCUITS

| Item | DEVICE NO. | No. of Digits | Digit Drive | LED | LCD | Calendar | Backup Osc | Alarm | Timer | 24 Hr Options | Radio Off/On | Voltage | Special Features | Logic/Connection Diagram | Package(s) (4) |
|------|-------------|---------------|-------------|-----|-----|----------|------------|-------|-------|---------------|--------------|---------|--|--------------------------|----------------|
| 9 | FCM7001 | 6 | Mux | Yes | Yes | Yes | Yes | Yes | 9:59 | Yes | Yes | 10-17 | Use for very large digits; high drive circuit. | S9 | |
| 10 | FCM7002 | 6 | Mux | — | — | Yes | Yes | Yes | 9:59 | Yes | Yes | 10-17 | BCD outputs | S10 | |
| 11 | FCM7003 | 6 | Mux | Yes | Yes | Yes | Yes | Yes | 9:59 | Yes | Yes | 10-17 | Direct drive for gas discharge | S11 | |
| 12 | FCM7004 | 6 | Mux | Yes | Yes | Yes | Yes | Yes | 9:59 | Yes | Yes | 10-17 | 7001 w/European calendar format | S9 | |
| 13 | FCM7010 | 4 | Dir | Yes | Yes | Yes | Yes | Yes | 2:50 | Yes | Yes | 7.0-17 | 12 mA direct drive, pulsing colon | S12 | |
| 14 | FCM7015 | 4 | Dir | Yes | Yes | Yes | Yes | Yes | 2:50 | Yes | Yes | 7.0-17 | 12 mA direct static drive, colon, slew set | S12 | |
| 15 | FCM7030 (2) | 4 | Dir | Yes | Yes | No | No | Yes | :59 | Yes | Yes | 8.0-18 | Seconds on command, 15 mA drive | S13 | |
| 16 | FCM7040 | 4 | Dup | Yes | No | No | Yes | Yes | 99:59 | Yes | Yes | 7.0-11 | Key BD entry appliance control | S14 | |

1. C = Commercial temperature range; L = Limited military temperature range; M = Military temperature range.
2. Replaces FMC3817 for new designs
3. To be announced
4. Consult factory for package types.

9