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Status: **Active**

954305

Programmable Timing Control Hub™ for Mobile P4™ Systems

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The IDT954305 is a CK410M+ Yellow Cover clock synthesizer. The IDT954305 provides a single-chip solution for mobile systems built with Intel P4-M processors and Intel mobile chipsets. The IDT954305 is driven with a 14.318MHz crystal and generates CPU outputs up to 400MHz.

Features

- 2 - 0.7V current-mode differential CPU pairs
- 9 - 0.7V current-mode differential SRC pair for SATA and PCI Express\*
- 1 - 0.7V current-mode differential CPU/SRC selectable pair
- 4 - PCI (33MHz)
- 1 - PCICLK\_F, (33MHz) free-running
- 1 - USB, 48MHz
- 1 - DOT, 96MHz, 0.7V current differential pair
- 2 - REF, double-strength 14.318MHz
- 1 - 0.7V current-mode differential LCD spread/SRC selectable clock
- 1 - 100MHz/96MHz selectable LCD spread clock

Product Specification

| CHIPSET MANUFACTURER | CHIPSET NAME | CLOCK SPEC. | CORE VOLTAGE (V) | INPUT FREQ (MHZ)       | OUTPUTS (#) | PLATFORM NAME | POWER TYP (MW) | SPREAD SPECTRUM | XTAL FREQ (KHZ) |
|----------------------|--------------|-------------|------------------|------------------------|-------------|---------------|----------------|-----------------|-----------------|
| Intel                | 945          | CK410M      | 3.3              | 14.318000 - 400.000000 | 23          |               |                | Yes             | 14.318180       |

Product Options

| ORDERABLE PART ID | PART STATUS | PKG. CODE             | PKG. TYPE | LEAD COUNT (#) | TEMP. GRADE | PB (LEAD) FREE | ORDER                           |
|-------------------|-------------|-----------------------|-----------|----------------|-------------|----------------|---------------------------------|
| 954305DKLF        | Active      | <a href="#">NLG72</a> | VFQFPN    | 72             | C           | Y              | <a href="#">Check Inventory</a> |
| 954305DKLFT       | Active      | <a href="#">NLG72</a> | VFQFPN    | 72             | C           | Y              | <a href="#">Check Inventory</a> |
| 954305DKLFT-TRQ1  | Active      | <a href="#">NLG72</a> | VFQFPN    | 72             | C           | Y              | <a href="#">Check Inventory</a> |
| 954305EKLF        | Active      | <a href="#">NLG72</a> | VFQFPN    | 72             | C           | Y              | <a href="#">Check Inventory</a> |
| 954305EKLFT       | Active      | <a href="#">NLG72</a> | VFQFPN    | 72             | C           | Y              | <a href="#">Check Inventory</a> |

Documents

|  | TITLE                                                                                                                  | TYPE ▲                | FORMAT | FILE SIZE | DATE       |
|--|------------------------------------------------------------------------------------------------------------------------|-----------------------|--------|-----------|------------|
|  | <a href="#">PC Clocks Contact Info</a>                                                                                 | Misc                  | PDF    | 62 KB     | 05/29/2007 |
|  | <a href="#">PCN# : TB0807-01 Reel Quantity Change on VFQFP-N-68, VFQFP-N-72</a>                                        | Product Change Notice | PDF    | 57 KB     | 07/10/2008 |
|  | <a href="#">PCN# : A0903-04 Chipmos Taiwan &amp; Carsem Malaysia as Alternate Assembly Site for Copper Wire Proces</a> | Product Change Notice | PDF    | 103 KB    | 05/12/2009 |
|  | <a href="#">PCN# : A0807-01 Copper Bond Wire for 10.0mm x 10.0mm VFQFP-N-72</a>                                        | Product Change Notice | PDF    | 104 KB    | 07/25/2008 |

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