# Recent IC Announcements

A continuing new products feature

<table>
<thead>
<tr>
<th>DATE</th>
<th>FAMILY</th>
<th>MANUFACTURER</th>
<th>PART NUMBERS</th>
<th>PRICE EACH (LOTS OF 100)</th>
<th>FUNCTION</th>
<th>COMMENTS</th>
<th>R.S. NO.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aug. 29</td>
<td>Zeltex</td>
<td>ZDA16QM</td>
<td>$596.00</td>
<td>16-bit DAC</td>
<td>0.0015% stability</td>
<td>30</td>
<td></td>
</tr>
<tr>
<td>Aug. 11</td>
<td>Intel</td>
<td>2758</td>
<td>$26.60</td>
<td>8K EPROM</td>
<td>Single + 5-volt TTL power supply; 1024 x 8</td>
<td>31</td>
<td></td>
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<tr>
<td>Aug. 11</td>
<td>CMOS and bipolar</td>
<td>Teledyne</td>
<td>9400</td>
<td>$3.70 (100's)</td>
<td>V/F to F/V converter</td>
<td>Interfaces with all logic families; 10 Hz to 100 KHz; 14-pin DIP</td>
<td>32</td>
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<tr>
<td>Aug. 9</td>
<td>Hybrid</td>
<td>Datel</td>
<td>ADC-HS12B</td>
<td>$149.00-239.00 (1-24)</td>
<td>12-bit ADC</td>
<td>Contains own sample-hold circuit; both serial and parallel outputs</td>
<td>33</td>
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<tr>
<td>Aug. 4</td>
<td>PMI</td>
<td>OP-11</td>
<td>$2.75-9.00</td>
<td>Quad amp</td>
<td>LM148/HA4741 standard pinout</td>
<td>34</td>
<td></td>
</tr>
<tr>
<td>July 29</td>
<td>NMOS</td>
<td>Intel</td>
<td>UPI-41</td>
<td>$250.00 (units)</td>
<td>Universal peripheral control components</td>
<td>Slave microcomputers boost capabilities of 8080A, 8085, and 8048</td>
<td>35</td>
</tr>
</tbody>
</table>

## Previous Listings

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<tr>
<th>DATE</th>
<th>FAMILY</th>
<th>MANUFACTURER</th>
<th>PART NUMBERS</th>
<th>PRICE EACH (LOT)</th>
<th>FUNCTION</th>
<th>COMMENTS</th>
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</tr>
</thead>
<tbody>
<tr>
<td>June 28</td>
<td>Fairchild</td>
<td>F4727</td>
<td>$1.17 (1000's)</td>
<td>8-bit musical scale</td>
<td>36</td>
<td></td>
<td></td>
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<tr>
<td>June 20</td>
<td>Hybrid</td>
<td>Hybrid Systems</td>
<td>DAC335</td>
<td>$120.00 (units)</td>
<td>12-bit DAC</td>
<td>24-pin DIP</td>
<td>37</td>
</tr>
<tr>
<td>June 17</td>
<td>Hybrid</td>
<td>Burr-Brown</td>
<td>3584</td>
<td>$70.00 (25-99)</td>
<td>Op amp</td>
<td>50 MHz gain bandwidth</td>
<td>38</td>
</tr>
<tr>
<td>June 15</td>
<td>Bipolar</td>
<td>Signetics</td>
<td>S82S1842,51</td>
<td>$4.50, 57.00 (25-99)</td>
<td>8K PROM</td>
<td>39</td>
<td></td>
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<tr>
<td>June 8</td>
<td>Hamamatsu</td>
<td>P1063</td>
<td>$1.00</td>
<td>DIP optoisolator</td>
<td>GaAs-LED; 2 µs rise time</td>
<td>40</td>
<td></td>
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<tr>
<td>June 8</td>
<td>CMOS</td>
<td>Micro Power Systems</td>
<td>MP-7138</td>
<td>$8.00</td>
<td>3½-digit panel meter chip</td>
<td>28-pin DIP</td>
<td>41</td>
</tr>
<tr>
<td>May 26</td>
<td>MOS</td>
<td>Intel</td>
<td>2115A, AL</td>
<td>$6.15—7.40</td>
<td>1K RAM</td>
<td>Static; 45-ns and 70-ns series</td>
<td>42</td>
</tr>
<tr>
<td>May 23</td>
<td>CMOS</td>
<td>Siliconix</td>
<td>LD131</td>
<td>$9.10</td>
<td>3½-digit ADC</td>
<td>Low power; single chip</td>
<td>43</td>
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<tr>
<td>May 5</td>
<td>PMOS</td>
<td>Synertek</td>
<td>C10091</td>
<td>Not stated</td>
<td>Video game circuit</td>
<td>7 games; both horizontal and vertical paddle motion, ball speed select option</td>
<td>44</td>
</tr>
<tr>
<td>May 5</td>
<td>Mostek</td>
<td>MK4104</td>
<td>$18.75</td>
<td>4K static RAM</td>
<td>200 ns access time, 310 ns cycle time, 18-pin DIP</td>
<td>45</td>
<td></td>
</tr>
<tr>
<td>May 5</td>
<td>National</td>
<td>MM5270A, 80A</td>
<td>$15.00</td>
<td>4K dynamic RAM</td>
<td>210 ns cycle time, 18-pin DIP</td>
<td>46</td>
<td></td>
</tr>
<tr>
<td>May 5</td>
<td>Schottky TTL</td>
<td>TI</td>
<td>S481</td>
<td>$29.95</td>
<td>Microcomputer chip set</td>
<td>CPU, control, and support chips</td>
<td>47</td>
</tr>
<tr>
<td>May 5</td>
<td>Plessey</td>
<td>SL664,65</td>
<td>$4.25, $4.00</td>
<td>IF/AF strips</td>
<td>Up to 500 bits/sec from single + 5V power supply; supports SDLC, HDLC, BISYNC, DDCMP</td>
<td>48</td>
<td></td>
</tr>
<tr>
<td>May 5</td>
<td>NMOS</td>
<td>Signetics</td>
<td>2652</td>
<td>$30.00</td>
<td>Multi-protocol communications controller</td>
<td>Up to 500 bits/sec from single + 5V power supply; supports SDLC, HDLC, BISYNC, DDCMP</td>
<td>49</td>
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For more information, circle the appropriate R.S. No. on the Reader Service Card at the back of the magazine.
# Recent Microsystems Announcements

*Introducing a new feature...*

## MANUFACTURER AND MODEL

### OSI, Challenger IIIP
- **Function**: Personal computer
- **Price**: $598, assembled
- **Comments**: Complete with Basic in ROM, 4K of RAM for program storage, full-size keyboard, 32 x 64 character video display, audio cassette interfaces.

### Digimetric, 6015
- **Function**: OEM microcomputer system
- **Price**: $5000
- **Comments**: Based on 16-slot mainframe and Motorola chip; processor drawer complete with auto restart, real-time clock and hardware priority interrupt, loader and DEMON monitor in ROM, and 32K static RAM.

### Gnat, Fortran System 8
- **Function**: Minifloppy/microcomputer system
- **Price**: $3990
- **Comments**: All ANSI standard Fortran, X3.9-1966, except for double precision and complex numbers; relocating assembler, linking loader, and Fortran library; system includes CPU, 32K RAM, 2K PROM, serial/parallel I/O, disk interface and control, front panel, and minifloppy disk drive.

### RO-CHE, Magic Black Box
- **Function**: Multi-cassette controller
- **Price**: $140 (4-port), $110 (2-port), kits
- **Comments**: Plugs into a single Tarbell interface board; software includes cassette OS, Basic I/O driver, and various demo programs.

### RCA, Cosmac VIP (video interface processor)
- **Function**: Hobbyist computer
- **Price**: $275, kit
- **Comments**: Single 8½ x 11” PC card with CDP1802 microprocessor, 2048-byte RAM using 4K-bit static RAMs, single-chip graphic video display interface, hexadecimal keyboard, audio tape cassette interface, and regulated power supply.

### MSD, MSDD-100
- **Function**: Floppy disk system
- **Price**: $499, kit; $599, assembled
- **Comments**: Single-card system includes Shugart SA400 minifloppy drive, controller, and software; S-100 bus compatible.

### MSD, MSDV-100
- **Function**: Video display system
- **Price**: $275, kit
- **Comments**: S-100 bus, 80 x 24 display, upper and lower case characters, character blink, and reverse field.

### Mijobe, 10-1026K
- **Function**: Power supply for Altair 8800
- **Price**: $60, kit
- **Comments**: Operates from 110, 120, or 130V ac, 60 Hz, single phase power; provides outputs of ±16V dc at ±2A and 1 output of ±8V dc at 20A with forced air cooling.

### ISC, Intecolor 8001
- **Function**: 8-color intelligent terminal
- **Price**: $995 (100’s)
- **Comments**: 8080 CPU, terminal control software, keyboard, 19” 8-color CRT, RS-232C I/O, selectable baud rate to 9600, user’s manual, and various options.

### National, PACE LCDS
- **Function**: PACE development system
- **Price**: $585,
- **Comments**: 16-bit PACE microprocessor, 1K words of RAM, sockets for 1K words of PROM, 20-key dual-function keyboard, 6-digit LED display, system-timing element, I/O buffers, and bidirectional transceiver elements.

### Pro-Log, PLS-888
- **Function**: Programmed logic system
- **Price**: $195
- **Comments**: Single-card 8080A-based system with 1K of RAM, sockets for additional 1K of RAM and 8K of TMS-2716 PROM, crystal clock, built-in power-on reset, 16K lines of TTL input, and 24 lines of TTL output.

### CMC, ADAPTER
- **Function**: RS-232/TTL adapter
- **Price**: $24.50
- **Comments**: Two circuits convert both ways, RS-232 to 20 mA current loop signal; can be paralleled to drive Teletype or RS-232 printer while still using the computer’s regular terminal; can be modified to RS-232 to TTL adapter.

### HP, 2631A and 2635A
- **Function**: Printer and printing terminal
- **Price**: $3150 and $3450
- **Comments**: Both operate under control of HP SOS microprocessor; bidirectional printing path; variable vertical line spacing under program control.

### PC/M, PCM-12
- **Function**: PDP-8 software-compatible microcomputer system
- **Price**: $679, kit
- **Comments**: Includes Intersil’s 6100 processor, memory system expandable to 32K, front-panel module with built-in bootstrap loader and control PROMs, power supply, backplane bus structure, aluminum cabinet with slots for 15 plug-in modules, and user manuals.

### Data I/O, muPro 80E
- **Function**: 8080A in-circuit emulator
- **Price**: Not stated
- **Comments**: Gives full access to all memory and CPU registers through integral keyboard and display; provides program trace, breakpoint, and passcount functions; completely transparent to the user’s system.

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