

zilog Z8 Encore! XP® Flash Microcontrollers 4K Series (Cont.)

C

| Memory Size Program (Bytes) | RAM (Bytes) | I/O Pins | NVDS (Bytes) | Serial Communication | ADC | VCC | Clock Speed | Timer/Counters (16-bit) | Operating Temp. | Package | Digi-Key Part No. | 1 | Price Each 25 | 100 | Zilog Part No. | Development Tools |
|-----------------------------|-------------|--------------|--------------|----------------------|------|----------------|--------------------------|--------------------------|--------------------------|---------|-------------------|------|---------------|------|----------------|--------------------------|
| 2K | 512 | 25 | 64 | UART | — | 2.7 - 3.6 | 20MHz | 2 | Extended | 20-SOIC | 269-3340-ND | 3.12 | 2.34 | 1.73 | Z8F021ASH020EC | 269-3307-ND, 269-3638-ND |
| | | | | | | | | | Extended | 20-SOIC | 269-4068-ND◆ | 3.12 | 2.34 | 1.73 | Z8F021ASH020EG | |
| | | | | | | | | | Commercial | 20-SOIC | 269-3341-ND | 2.82 | 2.12 | 1.57 | Z8F021ASH020SC | |
| | | | | | | | | | Commercial | 20-SOIC | 269-4069-ND◆ | 2.82 | 2.12 | 1.57 | Z8F021ASH020SG | |
| | | | | | | | | | Extended | 28-SSOP | 269-3334-ND | 3.12 | 2.34 | 1.73 | Z8F021AHJ020EC | |
| | | | | | | | | | Extended | 28-SSOP | 269-4058-ND◆ | 3.12 | 2.34 | 1.73 | Z8F021AHJ020EG | |
| | | | | | | | | | Commercial | 28-SSOP | 269-3335-ND | 2.82 | 2.12 | 1.57 | Z8F021AHJ020SC | |
| | | | | | | | | | Commercial | 28-SSOP | 269-4059-ND◆ | 2.82 | 2.12 | 1.57 | Z8F021AHJ020SG | |
| | | | | | | | | | Extended | 28-DIP | 269-3338-ND | 3.39 | 2.55 | 1.89 | Z8F021APJ020EC | |
| | | Extended | 28-DIP | 269-4064-ND◆ | 3.39 | 2.55 | 1.89 | Z8F021APJ020EG | | | | | | | | |
| | | Commercial | 28-DIP | 269-3339-ND | 3.09 | 2.32 | 1.71 | Z8F021APJ020SC | | | | | | | | |
| | | Commercial | 28-DIP | 269-4065-ND◆ | 3.09 | 2.32 | 1.71 | Z8F021APJ020SG | | | | | | | | |
| | | Extended | 28-SOIC | 269-3342-ND | 3.12 | 2.34 | 1.73 | Z8F021ASJ020EC | | | | | | | | |
| | | Extended | 28-SOIC | 269-4070-ND◆ | 3.12 | 2.34 | 1.73 | Z8F021ASJ020EG | | | | | | | | |
| | | Commercial | 28-SOIC | 269-3343-ND | 2.82 | 2.12 | 1.57 | Z8F021ASJ020SC | | | | | | | | |
| | | Commercial | 28-SOIC | 269-4071-ND◆ | 2.82 | 2.12 | 1.57 | Z8F021ASJ020SG | | | | | | | | |
| | | Extended | 8-DIP | 269-4088-ND◆ | 3.00 | 2.25 | 1.66 | Z8F022APB020EG | 269-3307-ND, 269-3638-ND | | | | | | | |
| | | Commercial | 8-DIP | 269-4089-ND◆ | 2.70 | 2.03 | 1.50 | Z8F022APB020SG | | | | | | | | |
| | Extended | 8-QFN | 269-3775-ND◆ | 3.00 | 2.25 | 1.66 | Z8F022AQB020EG | | | | | | | | | |
| | Commercial | 8-QFN | 269-3776-ND◆ | 2.70 | 2.03 | 1.50 | Z8F022AQB020SG | | | | | | | | | |
| | Extended | 8-SOIC | 269-3664-ND | 3.00 | 2.25 | 1.66 | Z8F022ASB020EC | | | | | | | | | |
| | Extended | 8-SOIC | 269-4094-ND◆ | 3.00 | 2.25 | 1.66 | Z8F022ASB020EG | | | | | | | | | |
| | Commercial | 8-SOIC | 269-3665-ND | 2.70 | 2.03 | 1.50 | Z8F022ASB020SC | | | | | | | | | |
| | Commercial | 8-SOIC | 269-4095-ND◆ | 2.70 | 2.03 | 1.50 | Z8F022ASB020SG | | | | | | | | | |
| | Extended | 20-SSOP | 269-3344-ND | 3.27 | 2.46 | 1.81 | Z8F022AHH020EC | 269-3307-ND, 269-3638-ND | | | | | | | | |
| | Extended | 20-SSOP | 269-4084-ND◆ | 3.27 | 2.46 | 1.81 | Z8F022AHH020EG | | | | | | | | | |
| | Commercial | 20-SSOP | 269-3345-ND | 2.94 | 2.21 | 1.64 | Z8F022AHH020SC | | | | | | | | | |
| | Commercial | 20-SSOP | 269-4085-ND◆ | 2.94 | 2.21 | 1.64 | Z8F022AHH020SG | | | | | | | | | |
| | Extended | 20-DIP | 269-3348-ND | 3.27 | 2.46 | 1.81 | Z8F022APH020EC | | | | | | | | | |
| | Extended | 20-DIP | 269-4090-ND◆ | 3.27 | 2.46 | 1.81 | Z8F022APH020EG | | | | | | | | | |
| | Commercial | 20-DIP | 269-3349-ND | 2.94 | 2.21 | 1.64 | Z8F022APH020SC | | | | | | | | | |
| | Commercial | 20-DIP | 269-4091-ND◆ | 2.94 | 2.21 | 1.64 | Z8F022APH020SG | | | | | | | | | |
| | Extended | 20-SOIC | 269-3352-ND | 3.27 | 2.46 | 1.81 | Z8F022ASH020EC | | | | | | | | | |
| | Extended | 20-SOIC | 269-4096-ND◆ | 3.27 | 2.46 | 1.81 | Z8F022ASH020EG | | | | | | | | | |
| | Commercial | 20-SOIC | 269-3353-ND | 2.94 | 2.21 | 1.64 | Z8F022ASH020SC | | | | | | | | | |
| | Commercial | 20-SOIC | 269-4097-ND◆ | 2.94 | 2.21 | 1.64 | Z8F022ASH020SG | | | | | | | | | |
| Extended | 28-SSOP | 269-3346-ND | 3.27 | 2.46 | 1.81 | Z8F022AHJ020EC | 269-3307-ND, 269-3638-ND | | | | | | | | | |
| Extended | 28-SSOP | 269-4086-ND◆ | 3.27 | 2.46 | 1.81 | Z8F022AHJ020EG | | | | | | | | | | |
| Commercial | 28-SSOP | 269-3347-ND | 2.94 | 2.21 | 1.64 | Z8F022AHJ020SC | | | | | | | | | | |
| Commercial | 28-SSOP | 269-4087-ND◆ | 2.94 | 2.21 | 1.64 | Z8F022AHJ020SG | | | | | | | | | | |
| Extended | 28-DIP | 269-3350-ND | 3.54 | 2.66 | 1.97 | Z8F022APJ020EC | | | | | | | | | | |
| Extended | 28-DIP | 269-4092-ND◆ | 3.54 | 2.66 | 1.97 | Z8F022APJ020EG | | | | | | | | | | |
| Commercial | 28-DIP | 269-3351-ND | 3.21 | 2.41 | 1.79 | Z8F022APJ020SC | | | | | | | | | | |
| Commercial | 28-DIP | 269-4093-ND◆ | 3.21 | 2.41 | 1.79 | Z8F022APJ020SG | | | | | | | | | | |
| Extended | 28-SOIC | 269-3354-ND | 3.27 | 2.46 | 1.81 | Z8F022ASJ020EC | | | | | | | | | | |
| Extended | 28-SOIC | 269-4098-ND◆ | 3.27 | 2.46 | 1.81 | Z8F022ASJ020EG | | | | | | | | | | |
| Commercial | 28-SOIC | 269-3355-ND | 2.94 | 2.21 | 1.64 | Z8F022ASJ020SC | | | | | | | | | | |
| Commercial | 28-SOIC | 269-4099-ND◆ | 2.94 | 2.21 | 1.64 | Z8F022ASJ020SG | | | | | | | | | | |
| 4K | 1K | 6 | 128 | UART | — | 2.7 - 3.6 | 20MHz | 2 | Extended | 8-DIP | 269-3666-ND | 2.91 | 2.19 | 1.61 | Z8F041APB020EC | 269-3307-ND, 269-3638-ND |
| | | | | | | | | | Extended | 8-DIP | 269-4124-ND◆ | 2.91 | 2.19 | 1.61 | Z8F041APB020EG | |
| | | | | | | | | | Commercial | 8-DIP | 269-3667-ND | 2.64 | 1.98 | 1.47 | Z8F041APB020SC | |
| | | | | | | | | | Commercial | 8-DIP | 269-4125-ND◆ | 2.64 | 1.98 | 1.47 | Z8F041APB020SG | |
| | | | | | | | | | Extended | 8-QFN | 269-3783-ND◆ | 2.91 | 2.19 | 1.61 | Z8F041AQB020EG | |
| | | | | | | | | | Commercial | 8-QFN | 269-3784-ND◆ | 2.64 | 1.98 | 1.47 | Z8F041AQB020SG | |
| | | | | | | | | | Extended | 8-SOIC | 269-3670-ND | 2.91 | 2.19 | 1.61 | Z8F041ASB020EC | |
| | | | | | | | | | Extended | 8-SOIC | 269-4130-ND◆ | 2.91 | 2.19 | 1.61 | Z8F041ASB020EG | |
| | | | | | | | | | Commercial | 8-SOIC | 269-3671-ND | 2.64 | 1.98 | 1.47 | Z8F041ASB020SC | |
| | | Commercial | 8-SOIC | 269-4131-ND◆ | 2.64 | 1.98 | 1.47 | Z8F041ASB020SG | | | | | | | | |
| | | Extended | 20-DIP | 269-3360-ND | 3.27 | 2.46 | 1.81 | Z8F041APH020EC | 269-3307-ND, 269-3638-ND | | | | | | | |
| | | Extended | 20-DIP | 269-4126-ND◆ | 3.27 | 2.46 | 1.81 | Z8F041APH020EG | | | | | | | | |
| | | Commercial | 20-DIP | 269-3361-ND | 2.94 | 2.21 | 1.64 | Z8F041APH020SC | | | | | | | | |
| | | Commercial | 20-DIP | 269-4127-ND◆ | 2.94 | 2.21 | 1.64 | Z8F041APH020SG | | | | | | | | |
| | | Extended | 20-SOIC | 269-3364-ND | 3.27 | 2.46 | 1.81 | Z8F041ASH020EC | | | | | | | | |
| | | Extended | 20-SOIC | 269-4132-ND◆ | 3.27 | 2.46 | 1.81 | Z8F041ASH020EG | | | | | | | | |
| | | Commercial | 20-SOIC | 269-3365-ND | 2.94 | 2.21 | 1.64 | Z8F041ASH020SC | | | | | | | | |
| | | Commercial | 20-SOIC | 269-4133-ND◆ | 2.94 | 2.21 | 1.64 | Z8F041ASH020SG | | | | | | | | |
| | Extended | 28-SSOP | 269-3358-ND | 3.27 | 2.46 | 1.81 | Z8F041AHJ020EC | 269-3307-ND, 269-3638-ND | | | | | | | | |
| | Extended | 28-SSOP | 269-4122-ND◆ | 3.27 | 2.46 | 1.81 | Z8F041AHJ020EG | | | | | | | | | |
| | Commercial | 28-SSOP | 269-3359-ND | 2.94 | 2.21 | 1.64 | Z8F041AHJ020SC | | | | | | | | | |
| | Commercial | 28-SSOP | 269-4123-ND◆ | 2.94 | 2.21 | 1.64 | Z8F041AHJ020SG | | | | | | | | | |
| | Extended | 28-DIP | 269-3362-ND | 3.54 | 2.66 | 1.97 | Z8F041APJ020EC | | | | | | | | | |
| | Extended | 28-DIP | 269-4128-ND◆ | 3.54 | 2.66 | 1.97 | Z8F041APJ020EG | | | | | | | | | |
| | Commercial | 28-DIP | 269-3363-ND | 3.21 | 2.41 | 1.79 | Z8F041APJ020SC | | | | | | | | | |
| | Commercial | 28-DIP | 269-4129-ND◆ | 3.21 | 2.41 | 1.79 | Z8F041APJ020SG | | | | | | | | | |
| | Extended | 28-SOIC | 269-4134-ND◆ | 3.27 | 2.46 | 1.81 | Z8F041ASJ020EC | | | | | | | | | |
| | Commercial | 28-SOIC | 269-4135-ND◆ | 2.94 | 2.21 | 1.64 | Z8F041ASJ020SG | | | | | | | | | |
| | Extended | 8-DIP | 269-4160-ND◆ | 3.12 | 2.34 | 1.73 | Z8F042APB020EG | 269-3307-ND, 269-3638-ND | | | | | | | | |
| | Commercial | 8-DIP | 269-4161-ND◆ | 2.82 | 2.12 | 1.57 | Z8F042APB020SG | | | | | | | | | |
| | Extended | 8-QFN | 269-3789-ND◆ | 3.12 | 2.34 | 1.73 | Z8F042AQB020EG | | | | | | | | | |
| | Commercial | 8-QFN | 269-3790-ND◆ | 2.82 | 2.12 | 1.57 | Z8F042AQB020SG | | | | | | | | | |
| | Extended | 8-SOIC | 269-3676-ND | 3.12 | 2.34 | 1.73 | Z8F042ASB020EC | | | | | | | | | |
| | Extended | 8-SOIC | 269-4166-ND◆ | 3.12 | 2.34 | 1.73 | Z8F042ASB020EG | | | | | | | | | |
| | Commercial | 8-SOIC | 269-3677-ND | 2.82 | 2.12 | 1.57 | Z8F042ASB020SC | | | | | | | | | |
| | Commercial | 8-SOIC | 269-4167-ND◆ | 2.82 | 2.12 | 1.57 | Z8F042ASB020SG | | | | | | | | | |
| Extended | 20-SSOP | 269-3368-ND | 3.39 | 2.55 | 1.89 | Z8F042AHH020EC | | | | | | | | | | |
| Extended | 20-SSOP | 269-4156-ND◆ | 3.39 | 2.55 | 1.89 | Z8F042AHH020EG | | | | | | | | | | |

◆ RoHS Compliant Note: Temperature Range: • Commercial: -0°C - 70°C • Extended: -40°C - 105°C

(Continued)

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