1.

Teensy 3.2

32 bit ARM Cortex-M4 72 MHz CPU (M4 = DSP extensions)

256K Flash Memory, 64K RAM, 2K EEPROM

21 High Resolution Analog Inputs (13 bits usable, 16 bit hardware)

34 Digital I/O Pins (5V tolerance on Digital Inputs)

12 PWM outputs

7 Timers for intervals/delays, separate from PWM

USB with dedicated DMA memory transfers

3 UARTs (serial ports)

SPI, I2C, I2S,CAN Bus, IR modulator

I2S (for high quality audio interface)

Real Time Clock (with user-added 32.768 crystal and battery)

16 DMA channels (separate from USB)

Touch Sensor Inputs

1.4 x 0.7" (~35 x 18 mm)

Teensy 4.1

ARM Cortex-M7 at 600MHz

1024K RAM (512K is tightly coupled)

8 Mbyte Flash (64K reserved for recovery & EEPROM emulation)

USB Host Port

2 chips Plus Program Memory

55 Total I/O Pins

3 CAN Bus (1 with CAN FD)

2 I2S Digital Audio

1 S/PDIF Digital Audio

1 SDIO (4 bit) native SD

3 SPI, all with 16 word FIFO

7 Bottom SMT Pad Signals

8 Serial ports

32 general purpose DMA channels

35 PWM pins

42 Breadboard Friendly I/O

18 analog inputs

Cryptographic Acceleration

Random Number Generator

RTC for date/time

Programmable FlexIO

Pixel Processing Pipeline

Peripheral cross triggering

10 / 100 Mbit DP83825 PHY (6 pins)

microSD Card Socket

Teensy 3.6

180 MHz ARM Cortex-M4 with Floating Point Unit

1M Flash, 256K RAM, 4K EEPROM

Microcontroller Chip MK66FX1M0VMD18

USB High Speed (480Mbit/sec) Port

2 CAN Bus Ports

32 General Purpose DMA Channels

22 PWM Outputs

4 I2C Ports

11 Touch-Sensing Inputs

62 I/O Pins (42 breadboard friendly)

25 Analog Inputs to 2 ADCs with 13-bit resolution

2 Analog Outputs (DACs) with 12-bit resolution

USB Full Speed (12Mbit/sec) Port

Ethernet mac, capable of full 100Mbit/sec speed

Native (4-bit SDIO) micro SD card port

I2S Audio Port, 4-Channel Digital Audio Input & Output

14 Hardware Timers

Cryptographic Acceleration Unit

Random Number Generator

CRC Computation Unit

6 Serial Ports (2 with FIFO and Fast Baud Rates)

3 SPI Ports (1 with FIFO)

Real-Time Clock

62.3mm x 18.0mm x 4.2mm (2.5in x 0.7in x 0.2in)

2.

F9	1111 1001	C=1	N=0	S=0
+7B	0111 1011	Z=0	V=0	H=1
174	1 0111 0100			