from idea to reality

idea

Discussion & Design

Contract

Detailed Design

product

Prototype

Acceptance Test

As competitive pressure increase, the marketing demand for new versions of product arises. Technology is always evolving, so your product should also. We can support you for development or upgrading your product according to leading edge technologies to help you achieving competitiveness in the market.
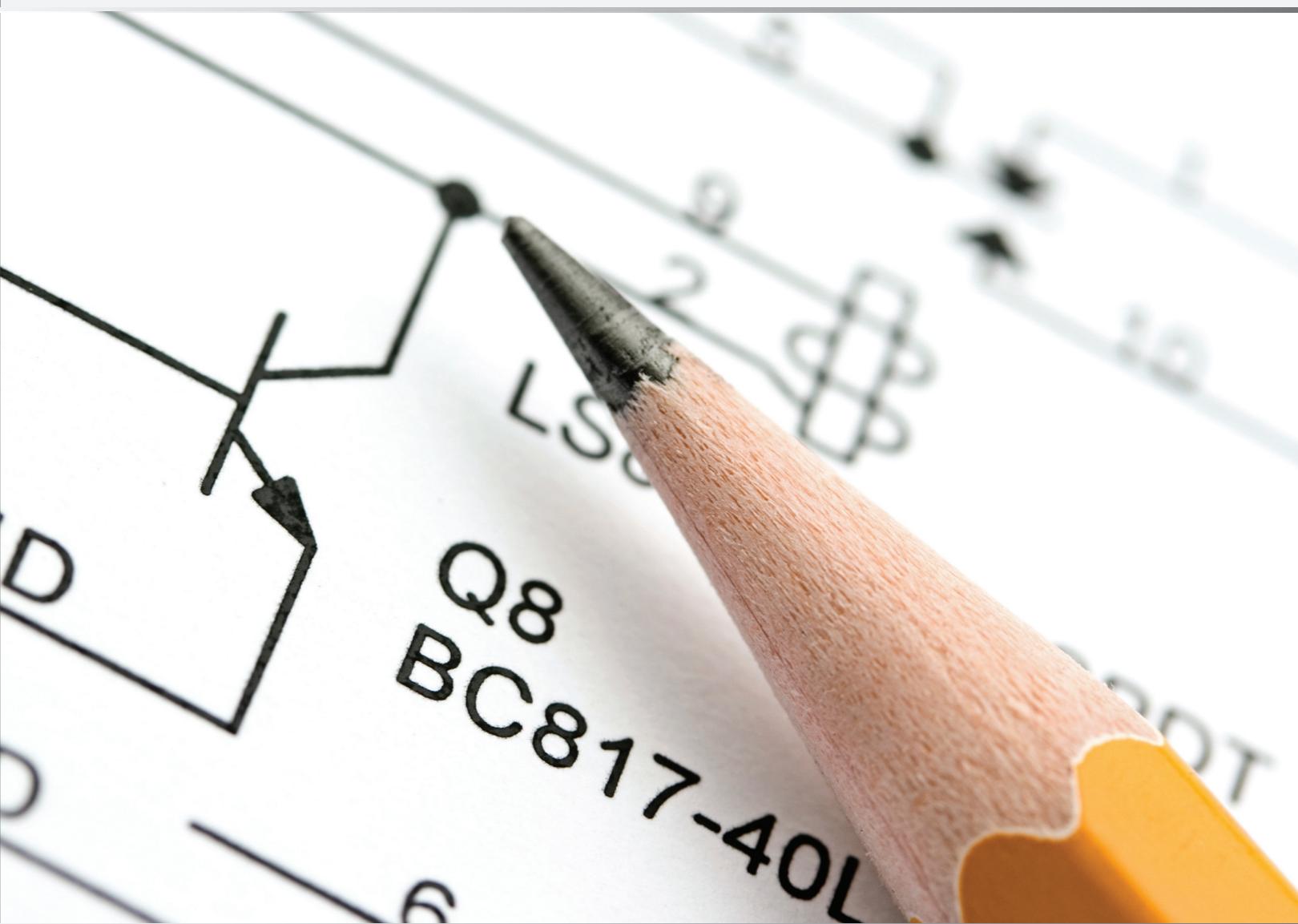
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Our Technologies

USB

USB 2.0 Device
USB 2.0 Host
USB 1.1 Device
Flash Disc
HID

Security

Secure Internet Protocols
HASH
AES
PGP
SHA1
SHA2

Communication Protocols

802.11
Gigabit Ethernet
10/100 BaseT
RS232
RS485
CAN
SPI
1-Wire
Wireless
IrDa

Embedded Linux

Internet Protocols
RTOS
FPGA Soft CPU
ARM
Network
Security

Embedded Software

C
Assembler
Linux
Extreme Programming
Multi Processing
RTOS
UML

Microcontrollers

Atmel AVR Family
ARM
FPGA Soft CPU
Intel 51 Family
Intel 186
M32 Family

Internet Protocols

TCP
UDP
Telnet
Email (SMTP, POP3)
FTP
WEB (http)
SNMP
ICMP
ARP

Monitoring

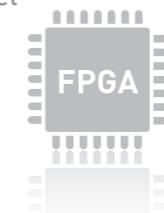E1 Monitor G.775
Analog Telephone (PSTN)
Ethernet
HDLC
SS7 Probing

GSM / GPS

SMS
AT Command Set
GPS Location Time
Data Modem
NMEA
GPRS

FPGA

VHDL
Soft CPU
Embedded Linux
Gigabit Ethernet
SATA

FPGA

PCB Design

Multi Layer PCB
High Speed Bus
BGA (0,8mm)
QFP (0,5mm)

PCI

PCI Express 1v1 Device
PCI 2.2 Universal Device

New Technologies

Our engineering team continually investigates new technologies and works hard at acquiring the expertise needed to apply the most appropriate technologies to your products. Our level of experience with new technologies can range anywhere from having a thorough understanding of how to apply a given technology all the way up to having in place detailed reference designs that can be customized to fit your product needs. Here on this page identify some of the more commonly used technologies at Tamara. Many more are always under investigation and development. Let us help you determine what technologies are best suited for your products. We can apply our knowledge of everyday and leading edge technologies to your projects to help you achieve a design ideally suited for your market.

About Us

Tamara is an electronics design company with expertise in a broad range of electronics applications. We help our customers bring their products to market more rapidly and cost-effectively than they could otherwise.

We specialize in the embedded systems development and have Hardware / Software Design skills required to develop a wide variety of electronics based products across an array of market areas.

We understand that the product development cycle is an iterative process and we have successfully completed many projects for our clients since our foundation. This involves various stages such as converting the customer's concept of the product into detailed requirement specification to manufacturing the final end product and shipping it back to the customer.

Markets

Domain KnowHow
in Wide Range of Markets

We provide assistance to our customers in developing their products in their markets. Fundamental to this strategy is that you know your market, you know the features that your product must have and the performance specifications it must meet. We bring exceptional systems engineering, hardware development and software development skills to bear in making your product idea a reality.

Telecommunication
Intelligence
Security
Computer
Government
Industrial
Consumer
Automotive
Medical
Defence
Energy
And more others...