

Rumors of War

CTM # 6

September 25, 2003

Scott Huckaby

9 And that the Gentiles might glorify God for his mercy; as it is written, For this cause will I confess myself unto the Gentiles, and praise unto the Lord.

10 And again, Rejoice ye Gentiles, with his people.

11 And again, Praise the Lord, all ye Gentiles; and laud him, all ye people.

12 Now the God of hope fill you with all joy and peace in believing, that ye may abound in hope, through the power of the Holy Ghost.

13 And myself also, I have persuaded of you, my brethren, that ye also are full of goodness, filled with all knowledge, able also to admonish one another in love.

14 Now I go unto Jerusalem, because of the grace that is given to me of God,

15 That I should be the minister of Jesus Christ to the Gentiles, ministering the gospel, that the offering of the Gentiles might be acceptable, being sanctified by the Holy Ghost.

16 I have therefore joyed if I may glory through Jesus Christ in those things which pertain to God.

17 For I will not dare to have any of these things which Christ wrought through me, to make the Gentiles obedient, by word and deed,

18 Through mighty signs and wonders, by the power of the Spirit of God; so that from Jeru-

The extensiveness of Paul's preaching

usalem, and round about unto Illyricum, I have fully preached the gospel of Christ. I desired not to have preached the gospel where Christ was named, lest I should build upon another man's foundation:

21 But as it is written, To whom he was not sent, he shall not come: so I have not been much hindered from coming to you.

22 But now having no more place in these parts, and having a desire to see you, as I have promised unto you, I will come to you: for I trust to see you in my journey, and to be brought on my way thitherward by you, if first I have some fruit.

23 But now I go unto Jerusalem, ministering unto the saints.

24 For it hath pleased them of Macedonia and Achai'a to make a certain contribution for the poor saints which are at Jerusalem.

25 And I desire to go in vanity, and the duties they owe. For if the Gentiles shall be made partakers of their spiritual things, their duty is also to minister unto them in carnal things.

26 When therefore I have performed my duty, I will have called to you into Spain.

27 And I am sure that, when I come unto you, I shall come in the fulness of the blessing of the gospel of Christ.

28 Now I beseech you, brethren, for the Lord Jesus Christ's

Paul sendeth divers salutations

and for the love of the truth, that ye give heed together unto our sayings to God.

29 That I may be delivered from them that do not believe in Jesus; and that my service which I do for Jerusalem may be acceptable.

30 Now the God of peace be with you all. Amen.

CHAPTER 16

1 Salute Apelles, which is in the church which is at Perthe.

2 Salute Philologus, and Julia, Nereus, and his sister, and Olympus, and all the saints which are with them.

3 Salute one another with an holy kiss. The churches of Christ salute you.

4 Now I beseech you, brethren, mark them which cause divisions and offences contrary to the doctrine which ye have learned; and avoid them.

5 For they that are such serve not our Lord Jesus Christ, but their own belly, and by their good words and conversation deceive the hearts of simple men.

6 For your obedience is come abroad unto all men. I am glad therefore on your behalf: but yet I would have you wise unto that which is good, and simple concerning evil.

7 And the God of peace shall bruise Satan under your feet shortly. The grace of our Lord Jesus Christ be with you. Amen.

8 Salute Timotheus, which is my workfellow, and Lucius, and Jason, and Sosipater, my kinsmen, salute you.

9 Salute Urbane, our helper in Christ, and Stachides, my workfellow.

10 Salute Apelles approved in the faith, and his household.

11 Salute Herodion my kinsman. Greet them that be of the household of Narcissus, which are in the Lord.

12 Salute Tryphena and Tryphosa, who labour in the Lord. Salute the brethren which labour with me in the Lord.

13 Salute the brethren which are in Laodicea, and the brethren which are in Hierapolis, and the brethren which are with them.

14 Salute Philologus, and Julia, Nereus, and his sister, and Olympus, and all the saints which are with them.

15 Salute one another with an holy kiss. The churches of Christ salute you.

16 Now I beseech you, brethren, mark them which cause divisions and offences contrary to the doctrine which ye have learned; and avoid them.

17 For they that are such serve not our Lord Jesus Christ, but their own belly, and by their good words and conversation deceive the hearts of simple men.

18 For your obedience is come abroad unto all men. I am glad therefore on your behalf: but yet I would have you wise unto that which is good, and simple concerning evil.

19 And the God of peace shall bruise Satan under your feet shortly. The grace of our Lord Jesus Christ be with you. Amen.

20 Timotheus my workfellow, and Lucius, and Jason, and Sosipater, my kinsmen, salute you.

21 Salute Urbane, our helper in Christ, and Stachides, my workfellow.

“And you will hear of wars and rumors of wars. See that you are not troubled; for all these things must come to pass, but the end is not yet.”

(Matthew 24:6)

U.S. Wars

since the end of the Cold War

Panama – Operation Just Cause	1989
Persian Gulf War (Desert Storm)	1991
Iraq no-fly zone	1991-2003
Somalian Civil War	1992-1994
Bosinia (Deliberate Force)	1994-1995
Haiti	1994
Sudan	1998
Kosovo	1998
Yemen (attack on USS Cole)	2000
New York / Washington D.C.	2001
Afghanistan	2001-2003
Persian Gulf War (Iraqi Freedom)	2003

Rumors of Wars

War on Poverty

War on Crime

War on Drugs

War on Terror

War on...



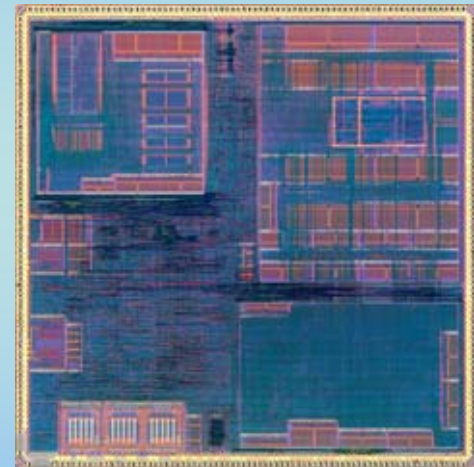
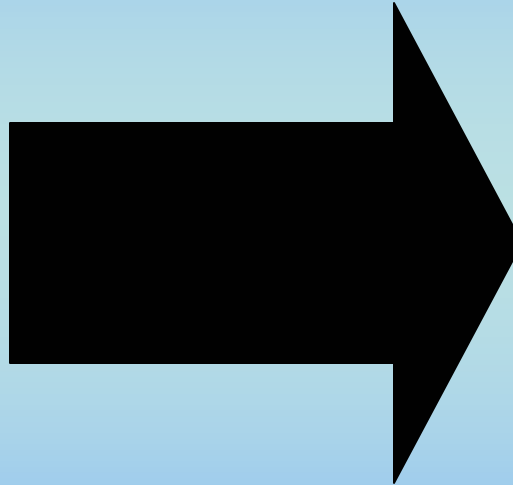
War on Blackfin!



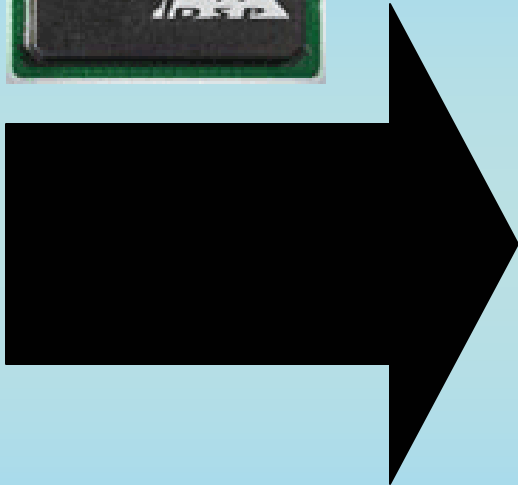
TI Failure Analysis Lab



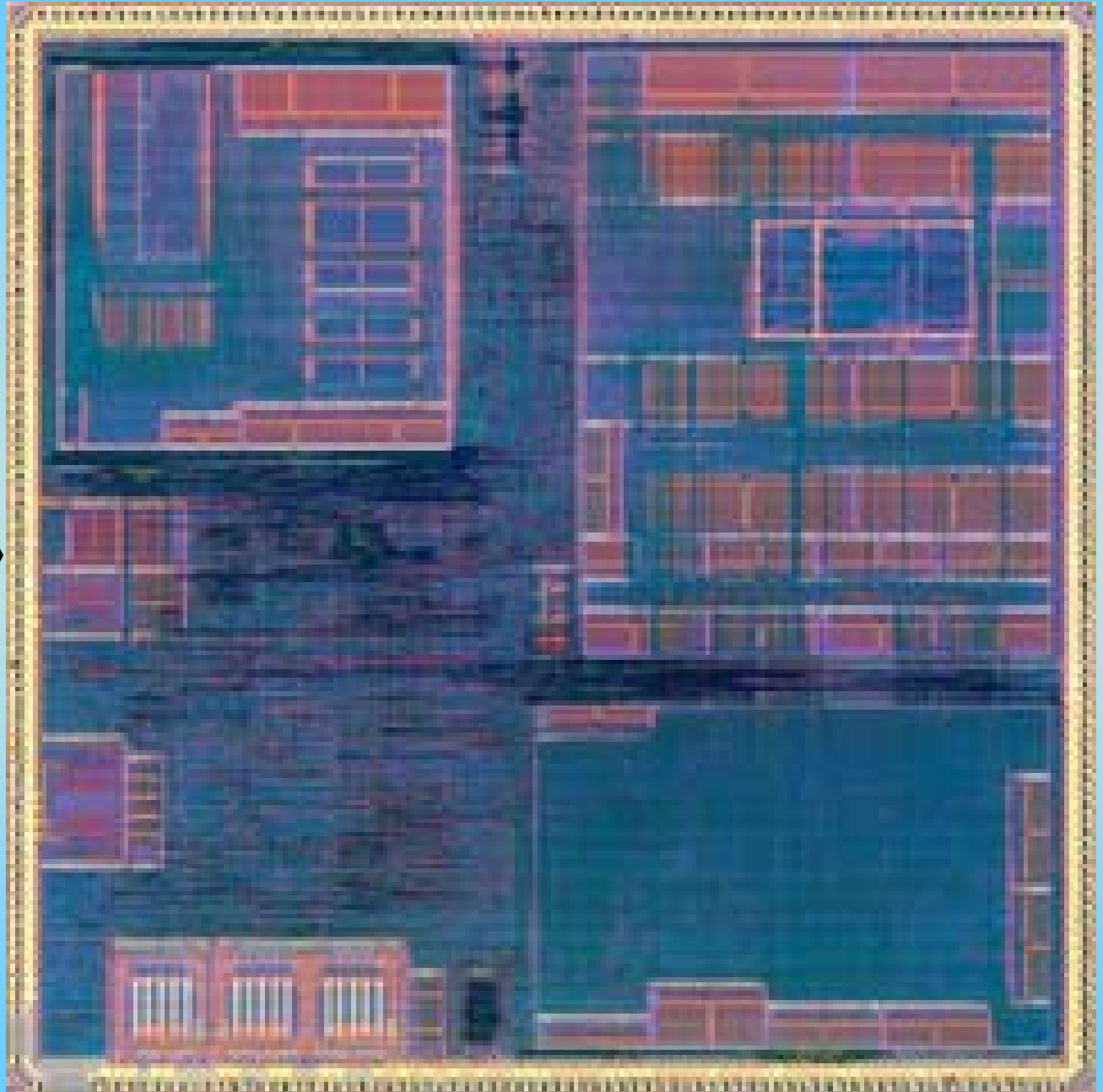
ADSP-BF533
600 MHz



10x



30x





10,000x

C-Code Performance

On Average:

Blackfin's code size is:

- 1.06x bigger than C64x
- 2.44x bigger than C55x

Blackfin's cycle count is:

- 4.17x larger than C64x
- 1.39x larger than C55x

**Applications
Used in Study**

AC3

Reed Solomon

JPEG

MP3

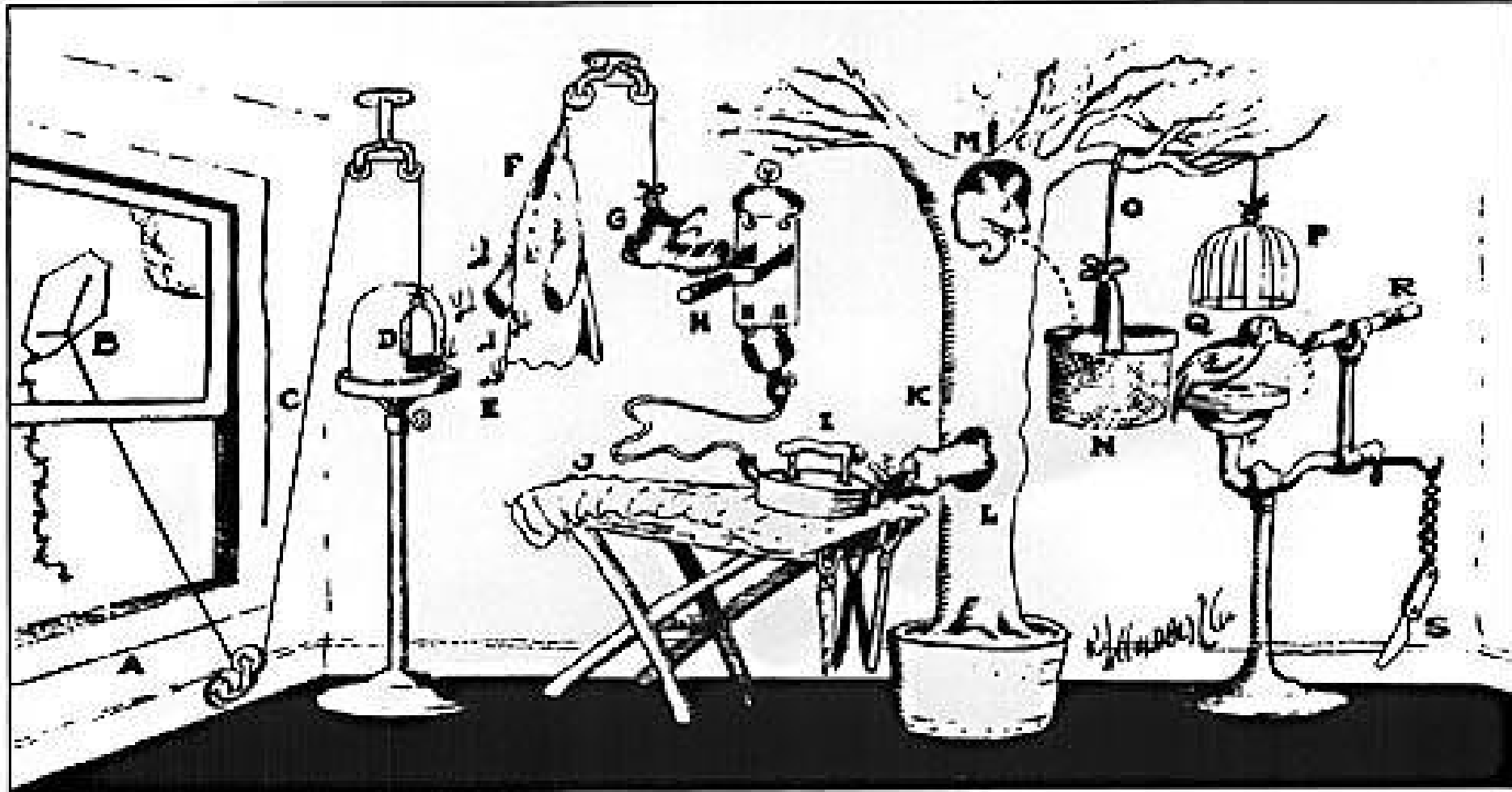
MPEG4

GSMEFR

GSMAMR

G723

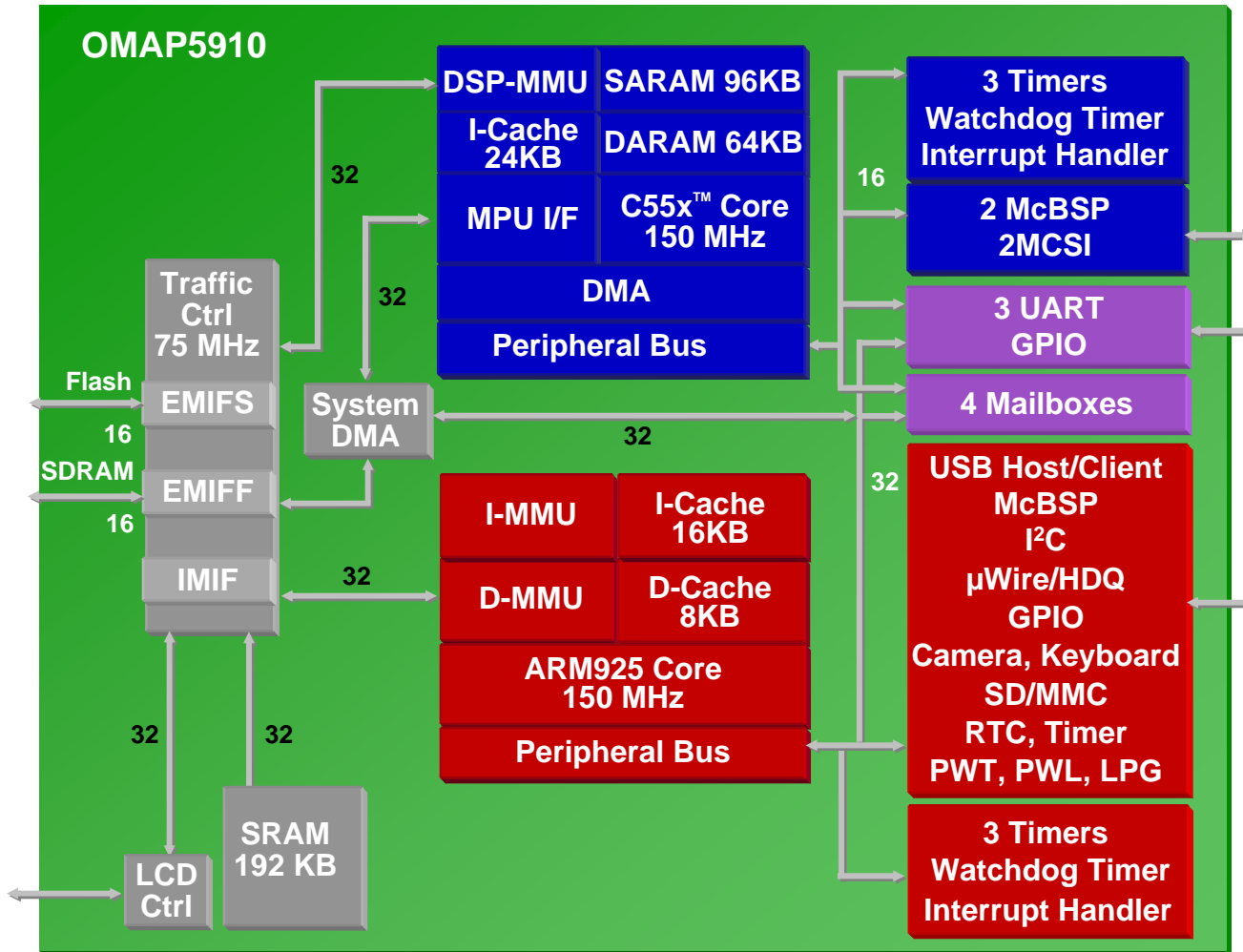
Pencil Sharpener Reference Design



Pencil Sharpener RUBE GOLDBERG (tm) RGI 038

Open window (A) and fly kite (B). String (C) lifts small door (D) allowing moths (E) to escape and eat red flannel shirt (F). As weight of shirt becomes less, shoe (G) steps on switch (H) which heats electric iron (I) and burns hole in pants (J). Smoke (K) enters hole in tree (L), smoking out opossum (M) which jumps into basket (N), pulling rope (O) and lifting cage (P), allowing woodpecker (Q) to chew wood from pencil (R), exposing lead. Emergency knife (S) is always handy in case opossum or the woodpecker gets sick and can't work.

OMAP5910 Applications Processor



TMS320C55x™ DSP

- 24 KB Cache
- 160 KB SRAM
- Hardware Accelerators for video algorithms

ARM925 MPU

- 24 KB Cache
- Data and Instruction MMUs
- 32-bit and 16-bit instruction sets

Peripherals and on-chip Resources

- 192 KB shared SRAM
- Two 16-bit memory interfaces for SDRAM and Flash
- Nine-channel system DMA controller
- LCD Controller
- USB 1.1. Host and Client
- MMC/SD Card interface
- Eight serial ports plus three UARTs
- Nine Timers
- Real Time Clock
- Keyboard interface
- 27 GPIO pins

OMAP5910: 289-pin BGAs, same die, same speed

GZG: 12x12 mm², 0.5 mm pitch, Samples Now, Prod. 3Q03, \$25.32@10Ku

GDY: 19x19 mm², 1.0 mm pitch, Samples Now, Prod. 4Q03, \$28.45@10Ku

Lose Weight with Blackfin



Before: 438 lbs



After: 115 lbs

Blackfin Adds Muscle



Before: weakling



After: Powerhouse

Blackfin Heals Birth Defects!

Before: Cleft Back



After: All Better !



Blackfin makes you look younger!



Before: balding/graying



After: Hairy !

TI DSPs – Real World Real Time

- ◆ Optimized end-equipment solutions
- ◆ Best development technology, largest software base
- ◆ Future-proof, programmable DSP ISA platforms
- ◆ SOC integration
- ◆ Manufacturing strength

