

TI DSP LEADERSHIP STRATEGY

(Investment Role)

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TI DSP Leadership Strategy Agenda

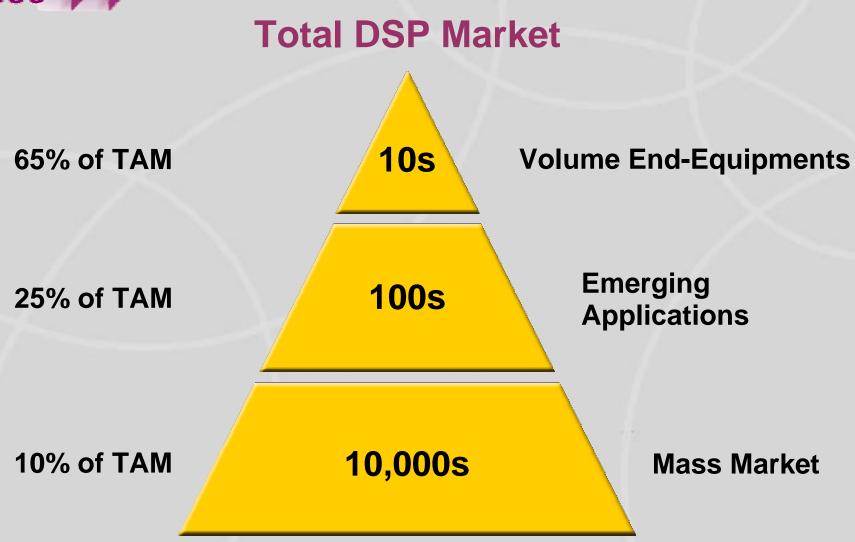
- DSP Market & TI Org Stratification
- TI DSP Strategic Principles & Platforms
- Realigning TI to DSP & Analog
 - Divestitures
 - Acquisitions
 - Investments
- Summary

DSPS Fest **2000**

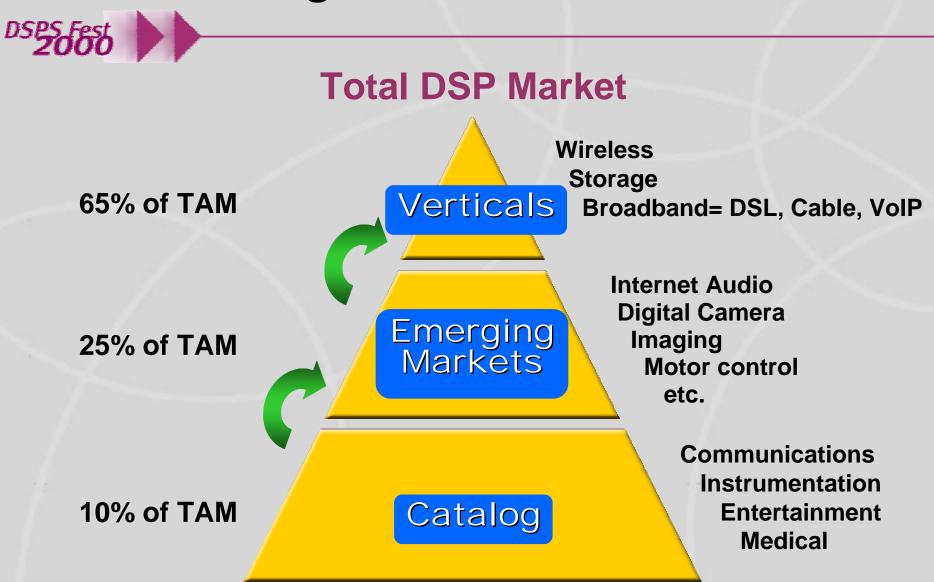


DSP Market Stratification





DSP Organization Stratification



TI DSP Guiding Strategic Principles



Programmable DSP

- Highest Performance
- Lowest Power
- Cost Effective

Software Compatibility

Best SW Dev Tools

DSP "Attached" Analog

Manufacturing Muscle

Drive New Markets

Focus & Leadership Action

Third Parties & Universities



Flexible, Fast, Scalable for Innovation

Reuse, Make/Buy Options
Fast Time to Market

Ease of Use, Powerful

Catalog & Vertical Solutions

Fast Time to Volume, Cost-effective

Achieve #1 or 2 in Segment

Know/Learn What it Takes Do What it Takes to Lead

Broad Value "Adding" Web



TI TMS320[™] DSP Platforms





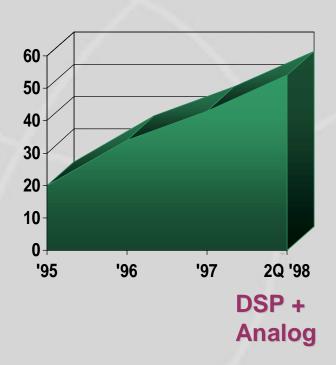
Leadership CMOS Process and Capacity



Realigning TI to DSP and Analog



Percent of Semiconductor Revenues



Start by stopping . . .

Divestitures
Billions of \$\$\$\$

- Defense Systems
- Memory Products
- Notebook Computer
- Printers
- Telecom Systems
- Contract Manufacturing
- Enterprise Software



Strategic Alternatives: Make, Buy, Partner



MAKE TI Businesses

TI Development
TI Manufacture
TI Market

NATURAL STRENGTHS

Chips +++
Tools +++
Software ++
Systems +

Other SC Company or 3rd Party

PARTNER TI DSP 3rd Parties

Joint Development
Joint Market
Minority Share Invest

Add Complements
To Achieve Best in Class

Subcontract Development

Acquire

NATURAL STRENGTHS

Chips +
Tools ++
Software +++
Systems +++



TI DSP & Analog Strategic Acquisitions



1996 - 1998

DATE	COMPANY	TECHNOLOGY	EXPERTISE
1996	Silicon Systems Inc.	Vertical-Storage	Analog-Read Channel
03/96	Tartan Labs	• SW Tools	• IDE & Debug
02/97	Arisix/Oasix	Vertical-Storage	Systems
11/97	Intersect Technologies	 Vertical-Storage 	• Firmware
11/97	Amati Comms	 Vertical-Broadband 	xDSL System & SW
12/97	Go DSP	• SW Tools	 Graphical IDE, Debugger
01/98	Spectron Microsystems	SW Tools	DSP BIOS / RTOS
01/98	Adaptec	Vertical-Storage	• Systems



TI DSP & Analog Strategic Acquisitions



1999 – 2000 YTD

DATE	COMPANY	TECHNOLOGY	EXPERTISE
01/99	Butterfly VLSI, Ltd.	 Vertical-Wireless 	Bluetooth, etc.
06/99	Telogy Networks	Emerging/Vertical- Broadband	VoIP SW & Systems
06/99	ATL Research	 Vertical-Wireless 	Wireless RF
06/99	Libit Signal Processing Ltd	Emerging/Vertical- Broadband	Cable Modems
10/99	Unitrode	Analog	 Power Supply/Battery Mgt
10/99	Power Trends	Analog	Power Management
06/00	Dot Wireless	Wireless	 3G CDMA Wireless
06/00	Alantro Communications	 Vertical/Broadband 	• 802.11 Wireless LAN
07/00	Burr-Brown	Analog	 High Perf Data Converters, Amps, Pwr Mgt

Realigning TI DSP and Analog Acquisitions



- Butterfly
- Dot Wireless
- ATL Research

Broadband

- Amati
- Libit
- Telogy
- Alantro

DSP Software Tools

- Go DSP
- Spectron
- Tartan

Storage

- SSi
- Intersect
- Arisix/Oasix
- Adaptec

Analog Catalog

- Unitrode
- Power Trends
- Burr Brown



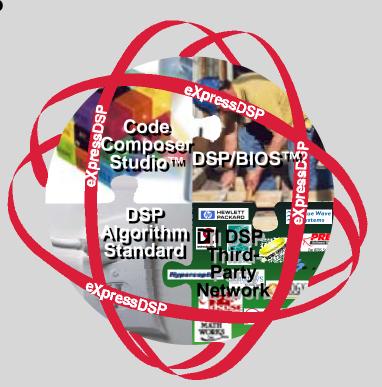
Example: eXpressDSP™ Software Technology

Code Composer Studio

GO DSP, TI, Tartan

TMS320[™] DSP Algorithm Standard

Spectron, TI



DSP/BIOS II

Spectron

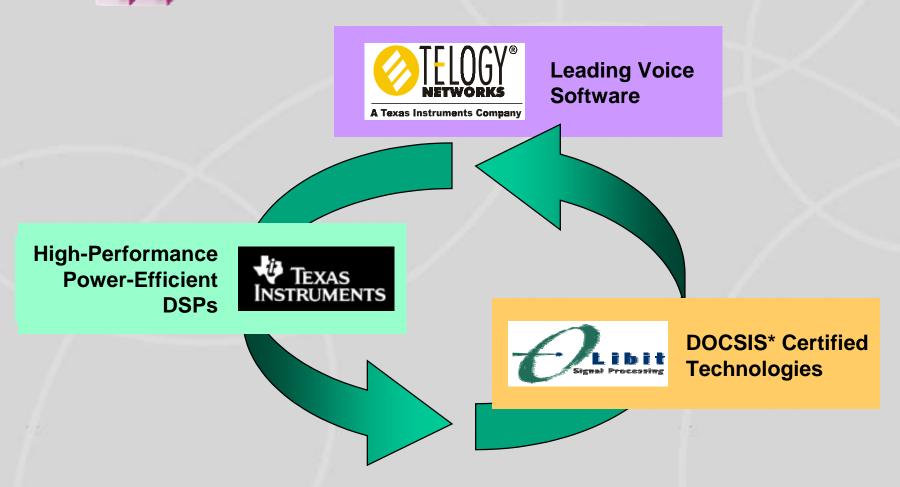
Third Party Network

TI



TI Offers Complete Cable Modem Solution





*DOCSIS - Data Over Cable Service Interface Specification



Realigning TI DSP Strategic Investments (Areas)

DSP Software

Comm SW : C5000

Comm SW : C6000

Emerging Markets

Digital Radio

DSP Catalog

Development

Broadband

Cable Modem



Investment & Acquisition Fit into TI DSP Strategy

I & A: Tool in the Strategic Tool Box

- Related to products, talents, and Intellectual Property Rights (IP)
- Alternative to TI creating/growing our own based on:
 - Market/Technology Targets/Priorities Alignment
 - Product Competitive Advantage and Time to Market
 - IP Value and Ownership leverage
- Complex cost/benefit tradeoff with these challenges:
 - Cost of Investment/Valuation of Company
 - Cost of Ongoing Operations
 - Culture Integration, Talent Retention
 - Finance/Logistics

We look for

- Leadership in emerging micro-vertical markets/applications
- Leadership in key horizontal "foundation" technology
- Complementary fit to TI needs/business
- I & A is the Exception, not the Rule



Two Types of Investing from TI



- TI Ventures (H&Q): Financial
 - TI Ventures is a worldwide venture capital fund established in 1996 by TI and H&Q Venture Associates to invest in early-stage technology companies focused on software infrastructure and hardware applications that leverage DSP and other related technologies.
 - Focus: FINANCIAL ROI via EQUITY APPRECIATION
 - Contact: www.ti.com/corp/docs/ventures (Madison Pedigo)
- TI DSP Product Group: Strategic
 - "To accelerate revenue growth and competitive advantage of a profitable programmable TI DSP based business and supporting value web via procuring leadership in 1.emerging micro-vertical markets/ applications or 2.key foundation technology"
 - Focus: STRATEGIC leverage to GROW TI DSP REVENUE
 - Contact: TI DSP Team; Leon Adams



What Strategic Investment T's & C's Does TI Expect?

- ✓ Strategic Alignment value is clear to TI
 - ✓ Leader in emerging market micro-vertical or key horizontal technology
- **✓** Typical Max 15% initial invest with fixed rate warrants up to 19%.
- ✓ No fiduciary responsibility
- Reasonable valuation/standard models
- Board observer seat
- ✓ First Right of Refusal on takeover bids (if any)
- Shareholders agreement (legally binding document)
- ▼ To be early on information/opportunities and feedback listened to
- ✓ TI DSP to be your exclusive or priority DSP Platform.



TI Leadership Strategy Summary

- DSP Market & TI Org Stratification
 - Verticals, Catalog, Emerging Markets
- TI DSP Strategic Principles & Platforms
 - Programmable DSP, Software compatibility, Best tools, Analog Attach, Focus & Leadership, 3rd
 Parties & Universities
- Realigning TI to DSP & Analog
 - Divestitures: Stops for Focus
 - Acquisitions: Solution complements for Best
 - Investments: Partnering in emerging markets/technology