Media Data



Technical magazine of electronics which knows all the engineers of the front.

—It is Transistor Gijutsu.

CQ Publishing Co.,Ltd.

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Being Particular on the Hardware

We offer truly useful and practical technical information.

Special Feature Article

This article provides the top engineers' techniques from basic to application.

Even to the beginners, this article helps them to learn the common sense and electronics technology. Each page has glossary corner with rich contents.



Editor-in-Chief, Transistor Gijutsu

Yuji Teramae

re those electronics parts easily to get? Is the performance surely achieved? Hopefully the product is easy to handle? Is it reliable? The support desk efficiently works? The frontline engineers demand with severe eyes.

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Transistor Gijutsu posts information about practical and useful information to respond to those demands, with posting device choice method and test, self-building application and appendix device or board.

We feature themes from broad genres, from electronics parts such as resistance and condenser to digital / analog IC, power supply and measurement technology.

CONTENTS Vol.44 No.514 **2007 © Transistor Giiutsu** http://www.cqpub.co.jp/ Special Feature $Acceleration/rotation/current/brightness/temperature/dust/smoke/alcohol \cdots$ 77 sensors Introduction 108 Sensor applications to be introduced in the special article From casually used to useful for safety 110 Sensors useful for living Detection of invisible magnet/infrared/ultrasonic wave Sensors for detection of object access and distance with no contact Chapter 3 Detection of linear movement with a high degree of accuracy and minute power Detectors of movement and strength Chapter 4 Detection of rotation speed/position/angle/origin 143 Detectors of rotation Chapter 5 Various sensors utilizing photo-electric effect 155 Detectors of image/color/brightness Chapter 6 Measurement of temperature with 0.1°C accuracy and humidity with 1% accuracy 162 Sensors to measure temperature/humidity/barometric pressure Chapter 7 Charge and discharge current of battery, electrical power measurement and motor control Sensors to detect current Welcome to the analog circuit world Alternate circuits theoly and Ohm's law

BASICS

How to master the design method with HDL description from experiment

Hot Device Report Enable to set 4 types of prescaler value and charge pump output current

Practical use of electronic parts and devices

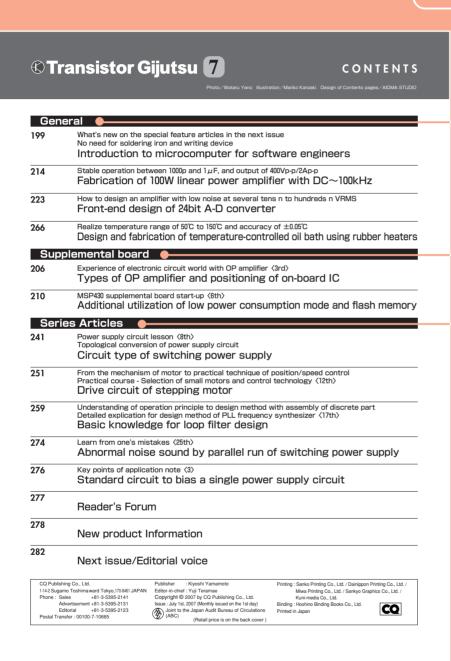
Multi-functional PLL IC ADF4110 family

Best course of action 3: Description of circuit to maintain the value and count the number

Even veteran engineers need to recheck the basics. This article gives a complete description of analog, digital and software

General

Self-building is the principal of manufacturing. *General* instruct the readers to make electronics products using print-board. The readers learn useful applications through these articles.



Supplement Board

Engineers always want to test the latest device, Transistor Gijutsu responds to their demands. We have offered the latest board, and explained the usage in 80 page Special Feature Articles. This corner explains the highly sophisticated devices.

Series Articles

Transistor Gijutsu spots out Power Electronics, Wireless, and High-Speed Transmission Technologies. Front-line engineers expound the practical design techniques.

Media Profile

Established : October 1964

Format: B5 size (257mmH x 182 mmW)

Print: Multicolor. Offset Printing

Circulation: 60,000

Sales: Bookstores and Subscription
Price: ¥ 690/860 (tax included)
CD-ROM: 3-4 times/year
Supplement: 5-6 times/year

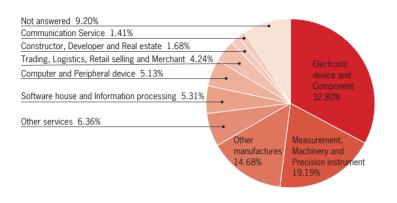
Signal Processing

Signal Processing is the most wanted technology by engineers.
Today's circuit is generally divided into four types, Analog, DSP (Digital Signal Processor), Control Microprocesso and Supply Circuit. And its characteristics and reliability strongly depend on the Analog Circuit and Supply Circuit. However, as the latest DSP has improved its processing speed, Signal Processing would be the key point.
Transistor Gijutsu emphasizes Signal Processing.

Reader Profile

Circuit Design Engineer is our main target.





- Electronic device and Component 32.80%
- Measurement, Machinery and

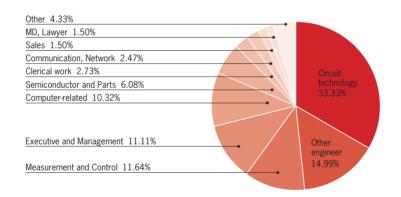
Precision instrument 19.19%

- Other manufactures 14.68%
- Other services 6.36%
- Software house and Information processing 5.31%
- Computer and Peripheral device 5.13%
- Trading, Logistics, Retail selling and

Merchant 4.24%

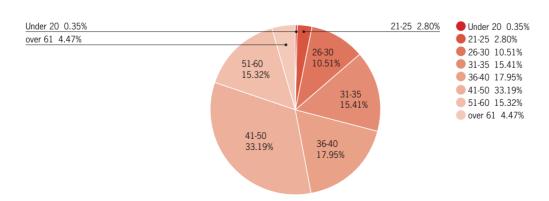
- Constructor, Developer and Real estate 1.68%
- Communication Service 1.41%
- Not answered 9.20%

Specialty



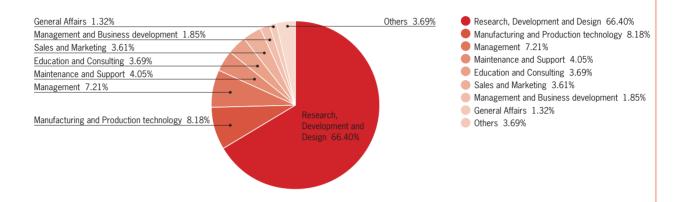
- Circuit technology 33.33%
- Other engineer 14.99%
- Measurement and Control 11.64%
- Executive and Management 11.11%
- Computer-related 10.32%
- Semiconductor and Parts 6.08%Clerical work 2.73%
- Communication, Network 2.47%
- Sales 1.50%
 MD, Lawyer 1.50%
- Other 4.33%

Age

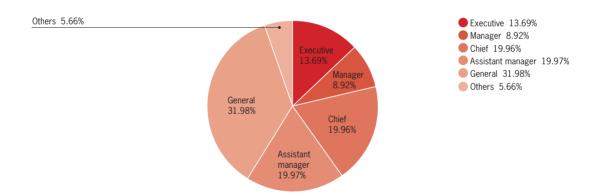


Reader Profile

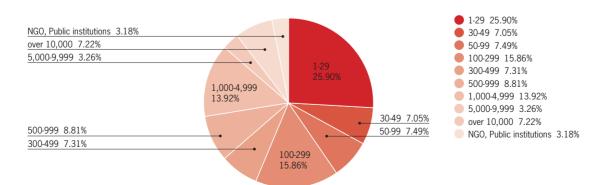
Occupation



Job Title



Number of Employees



Media Data

Rate and Size

		Standard Size	Bleed Size			
Space	Rate	Size (Height x Width mm)	Rate	Size (Height x Width mm)		
Back Cover	6,000	230 x 160	6,600	242 x 171		
Front Cover	6,000	165 x 168	(not available)	(not available)		
Cover 2	5,333	230 x 160	5,867	257 x 182		
Cover 3	4,750	230 x 160	5,225	257 x 182		
4-Color 1 Page	4,667	230 x 160	5,133	257 x 182		
2-Color 1 Page	2,667	230 x 160	2,933	257 x 182		
B&W 1 Page	2,000	230 x 160	_	_		
B&W 1/2 Page	1,333	110 x 160	_	_		

^{*}More space information we have, please look at the rate card for detail.

Schedule

Issue	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.'08	Feb.'08	Mar.'08
Publication Date	Apr-10	May-10	Jun-9	Jul-10	Aug-10	Sept-10	Oct-10	Nov-10	Dec-10	Jan-10	Feb-9

AD Close: 28 days prior to the date of the publication

Data Material Due: 23 days prior to the date of the publication Film Material Due: 17 days prior to the date of the publication

*Look at the Schedule Sheet for detail.

Data Requirements

■ Provide 3 items as below

- 1. Data
- 2. Color Proof
- 3. Data Spec Sheet

Film Requirements

■ Line Screens

4-Color: 150 / 175 line screen 2-Color: 133 line screen B/W: 133 line screen

Film Reverse Print

■ Indicate Resister Mark, Color Patch

■ Data Specifications

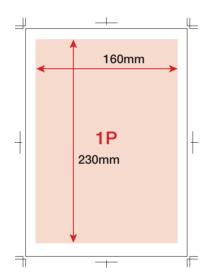
- 1. Mac format files
- The images will be saved in the same directory as the output file.
- 3. Image: Uncompressed EPS file.
- 4. Color: CMYK or B/W
- 5. Color trapping.
- 6. Black to overprint
- 7. Line: over 0.3 points Trapping letter: over 8.5 points
- 8. Indicate Registry Guide
- 9. Bleed size ad : Add 3mm bleed to all outer edges of document.
- 10. Full-scale data
- 11. Prepare a duplicate.
- 12. Provide data after virus check
- 13. Contact your local sales representative for material submission instructions
- 14. Fonts: Ask your local representative for instructions

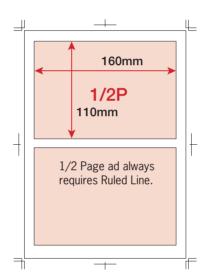
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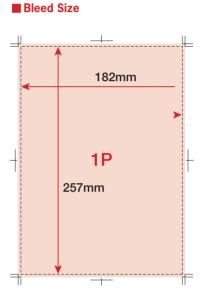
Production Note

- Comparable ad and Paid Publicity: Confirm the format and the contents beforehand.
- Classified info in the general ad : Confirm your local representative beforehand.
- Other rules conform to regulations of The Japan Magazine Advertising Association
- Paid Publicity Confirm the format and contents beforehand.
- Solid Color (Black or Similar) is under 50% of the page.
- Recruitment copy cannot be included in product advertisements. If included, classified ad rates will be applied.

■ Standard Size

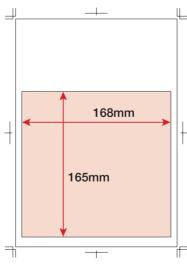






Keep live matter 10mm inside from edges of final trim

■ Cover 1



Cover 1 has delicate rules, ask the publisher for detail.

■ Cover 1 description

