

## The ONE TRD1

# The ONE Electronic Drum Set User Manual

Model: TRD1

## 1. INTRODUCTION

This manual provides comprehensive instructions for the setup, operation, and maintenance of your The ONE Electronic Drum Set. Designed for beginners and children, this portable 9-pad roll-up drum kit offers an interactive learning experience through its dedicated app, dual built-in speakers, and Bluetooth MIDI connectivity.

Please read this manual thoroughly before using the product to ensure proper function and longevity.



Image: The ONE Electronic Drum Set, showcasing its compact design and connectivity with a tablet for interactive learning.

## 2. PACKAGE CONTENTS

Verify that all items listed below are included in your package:

- 1 \* The ONE Rainbow Drum (9 Pads)
- 1 \* Premium Resources For InstaDrum
- 1 \* Premium Benefit Redemption Card
- 2 \* Drum Sticks
- 2 \* Drum Pedals
- 1 \* USB Cable
- 1 \* Audio Cable
- 1 \* Lithium Battery (pre-installed or separate)
- 1 \* Power Adapter
- 1 \* User Manual (this document)

## PACKING LIST

- 1 \* The ONE Rainbow Drum (9 Pads)
- 1 \* Premium Resources For InstaDrum
- 1 \* Premium Benefit Redemption Card
- 2 \* Drum Sticks
- 2 \* Drum Pedals
- 1 \* USB Cable
- 1 \* Audio Cable
- 1 \* Lithium Battery
- 1 \* Power Adaptor
- 1 \* User Manual



Image: All components included in the product packaging, laid out for inspection.

## 3. PRODUCT FEATURES

The ONE Electronic Drum Set is designed with several key features to enhance your drumming experience:

- **9-Pad Configuration:** Features 5 drum pads and 4 cymbal pads, along with 2 foot pedals, offering a comprehensive range of sounds for various playing styles.
- **Dual Built-in Speakers:** High-quality sound samples are delivered through integrated dual speakers, providing clear highs and lows for an authentic drum sound.
- **Silent Mode:** Connect external headphones for private practice sessions without disturbing others.
- **Portability:** Weighing only 2.2 lbs, the drum set is lightweight and can be rolled up for easy transport and storage.
- **Dual Power Modes:** Operates via AC adapter or the included rechargeable lithium battery, offering over 8 hours of continuous play.
- **Bluetooth MIDI Connectivity:** Connect wirelessly to the InstaDrum app for interactive lessons, rhythm games, and song play.



## 9 Drums, Richer Sound

🎵 10 Songs    🥁 6 Drum Kits    🎧 10 Accompaniment

Image: Detailed layout of the 9 drum and cymbal pads, indicating their respective functions.



Image: The control module with clearly labeled buttons and ports for various functions.

# Silent Mode

Plug in headphones and tap silently,  
no worry about disturbing others at all



Image: Demonstrates the silent mode feature, allowing users to practice with headphones without disturbing others.

# Super Portable



Lightweight, just rolled it up and go



2 power modes for any activity



Image: The drum set being rolled up, emphasizing its portability and ease of storage.

## 4. SETUP GUIDE

### 4.1 Powering On

1. **Battery Power:** Ensure the internal lithium battery is charged. The drum set can operate for over 8 hours on a full charge.
2. **AC Adapter:** Connect the provided power adapter to the DC5V port on the drum module and plug it into a wall outlet.
3. Locate the ON/OFF switch on the drum module and slide it to the 'ON' position.

### 4.2 Connecting Pedals

- Identify the two foot pedals (kick and hi-hat).
- Plug the pedal cables into the designated 'PEDAL' ports on the drum module.
- Position the pedals comfortably on the floor for use.

### 4.3 App Installation and Bluetooth Connection

1. Download the "InstaDrum" app from your device's app store (available on iOS and Android).
2. Open the InstaDrum app and follow the on-screen instructions to pair your drum set via Bluetooth. Ensure Bluetooth is enabled on your device.
3. Use the provided Premium Benefit Redemption Card within the app to unlock exclusive teaching resources and songs.

Your browser does not support the video tag.

Video: Demonstration of interactive drumming with The ONE Electronic Drum Set and the InstaDrum app, highlighting the learning experience.

## 5. OPERATING INSTRUCTIONS

### 5.1 Basic Drumming

- Use the provided drum sticks to strike the pads. Each pad corresponds to a different drum or cymbal sound.
- Press the foot pedals to activate the kick drum and hi-hat sounds.

### 5.2 Control Panel Functions

- **VOL+ / VOL-:** Adjust the master volume of the drum set.
- **STYLE:** Cycle through different drum kit sounds (e.g., Rock, Jazz, Pop). Note that changing the style applies to all pads simultaneously.
- **REC:** Press to start recording your drumming. Press again to stop.
- **START / STOP:** Start or stop playback of recorded tracks or demo songs.
- **T+ / T-:** Adjust the tempo of demo songs or rhythm patterns.
- **PLAY:** Play back your recorded performance.
- **DEMO:** Play pre-loaded demo songs.
- **RHY:** Select different rhythm patterns for accompaniment.

### 5.3 Using the InstaDrum App

- The InstaDrum app offers video tutorials, rhythm exercises, music sheet recognition, and interactive games to guide your learning.
- Follow the app's instructions for specific lessons and challenges. The app provides visual cues on your device screen that correspond to the drum pads.
- Ensure your device is securely placed near the drum set for optimal interaction.

## 6. MAINTENANCE

- **Cleaning:** Wipe the drum pads and module with a soft, dry cloth. Do not use abrasive cleaners or solvents.
- **Storage:** When not in use, roll up the drum set gently and store it in a cool, dry place away from direct sunlight and extreme temperatures.

- **Battery Care:** If storing for an extended period, ensure the lithium battery is partially charged (around 50%) to prolong its lifespan. Avoid fully discharging the battery before storage.
- **Cable Management:** Avoid sharp bends or kinks in the USB, audio, and pedal cables to prevent damage.

## 7. TROUBLESHOOTING

| Problem                                    | Possible Cause                                                               | Solution                                                                                                                  |
|--------------------------------------------|------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------|
| No sound from speakers.                    | Volume too low; power off; headphones connected.                             | Increase volume using VOL+ button; ensure unit is powered on; disconnect headphones if external sound is desired.         |
| Bluetooth connection fails.                | Bluetooth not enabled on device; drum set not in pairing mode; interference. | Ensure Bluetooth is on for both devices; restart both devices; try pairing in a different location.                       |
| Pads are unresponsive.                     | Power issue; damaged pad.                                                    | Check power supply; ensure connections are secure. If problem persists, contact customer support.                         |
| App features are locked.                   | Premium benefits not redeemed; app subscription required.                    | Ensure you have redeemed your Premium Benefit Redemption Card. Some advanced features may require an in-app subscription. |
| Volume is too loud even at lowest setting. | Inherent design characteristic.                                              | For quieter practice, use headphones. If connecting to external speakers, use speakers with independent volume control.   |

## 8. SPECIFICATIONS

|                    |                                           |
|--------------------|-------------------------------------------|
| Model Name         | TRD1                                      |
| Brand              | The ONE                                   |
| Body Material      | Silicone/Rubber                           |
| Connector Type     | Bluetooth                                 |
| Item Weight        | 4.89 pounds (2.22 Kilograms)              |
| Package Dimensions | 23 x 10 x 4.4 inches                      |
| Batteries          | 1 Lithium Ion battery required (included) |

|               |                                |
|---------------|--------------------------------|
| Color         | Rainbow                        |
| Material Type | Soft, Tough, Rainbow Drum Face |
| UPC           | 850023927408                   |



Image: Visual representation of the drum set's dimensions and weight, highlighting its compact and lightweight nature.

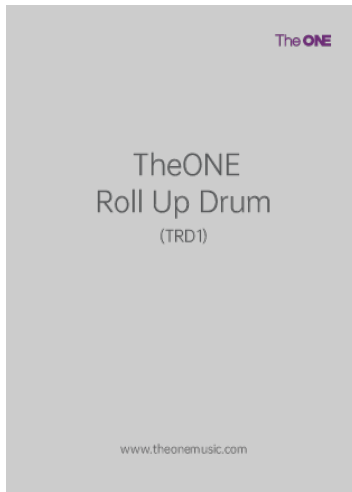
## 9. WARRANTY AND SUPPORT

The ONE Electronic Drum Set comes with a standard manufacturer's warranty. For specific warranty terms and conditions, please refer to the warranty card included in your package or visit the official The ONE website.

For technical support, troubleshooting assistance, or any product-related inquiries, please contact The ONE customer service through their official channels. Contact information can typically be found on the product packaging or their website.

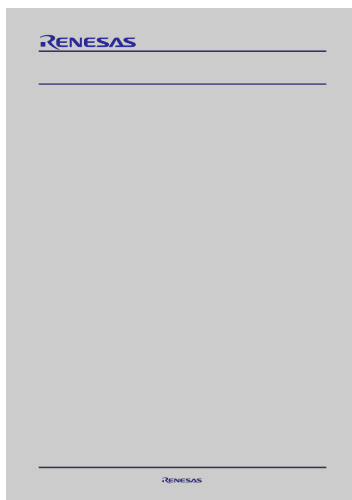
**Online Resources:** For additional support and resources, including updated app information and FAQs, please visit the [The ONE Store on Amazon](#).





### [TheONE Roll Up Drum \(TRD1\) User Manual and Specifications](#)

Comprehensive guide to TheONE Roll Up Drum (TRD1), covering packing list, features, functions, setup, troubleshooting, specifications, and warranty information.  
lang:en **score:25** filesize: 4.66 M page\_count: 12 document date: 2022-09-15

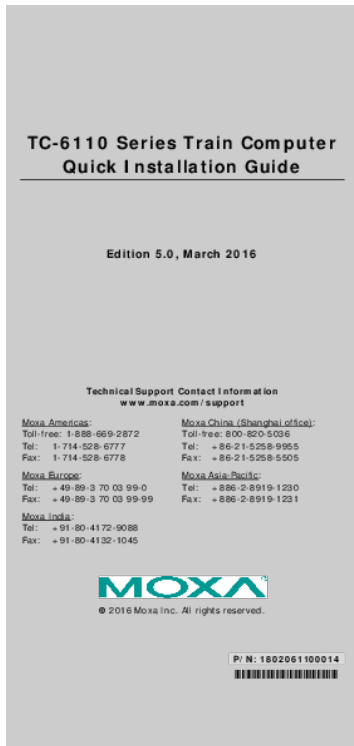


### [\[pdf\] Guide](#)

RL78 G14 R8C 36M Group R01AN4217EC0100 Migration Guide from to Timer RD Renesas Electronics Corporation RENESAS REN r01an4217ec0100 rl78g14 APN 20180803 renesas us en document apn r8c36m group migration guide r8c rl78 timer rd language

APPLICATION NOTE RL78/G14, R8C/36M Group Migration Guide from R8C to RL78: Timer RD R01AN4217EC010 ... set to 1 timer RD0 and timer RD1 operate synchronously . Data can be written to both the TRD0 and **TRD1** registers by writing to the TRDi register. Input-capture input pin selection Input-capture in...

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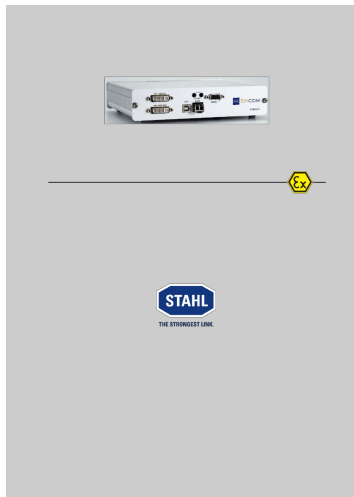
[\[pdf\]](#) Installation Guide Datasheet Guide

TC 6110 Series Train Computer Quick Installation Guide 13 Мохэ скачать W7E MOXA формата 3U для применения на железной дороге процессор Intel Atom D525 1 8 ГГц 4 слота расширения ОС — Win7 Embedded Datasheet англ скачать Мб Руководство по быстрой установке tc qig e5 0 moxa ru files manuals nport |||

TC-6110 Series Train Computer Quick Installation Guide Edition 5.0, March 2016

Technical Support Co ... ndicate a successful link. Pin 10/100 Mbps 1000 Mbps 1 TRD3 2 TRD4 3 TRD4- 4 ERx- **TRD1**- 5 ETx TRD2 6 ERx **TRD1** 7 TRD3- 8 ETx- TRD2- These LAN ports use DHCP for the ...

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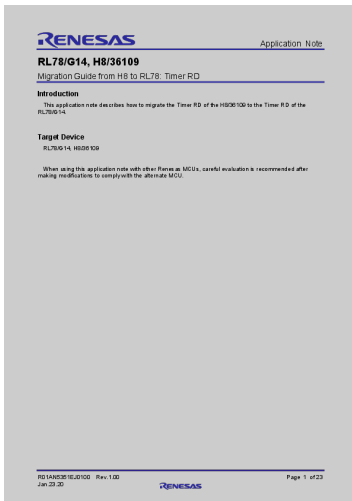
[\[pdf\]](#) User Manual Instructions Specifications Documentation Warranty

Operating Instructions KVM Transmission units In transmission 14 juin 2024 — All data relevant to explosion protection was copied these operating instructions from the EC type examination certificate 44 pages ex betriebsanleitung kvm rstahl r stahl fileadmin tx aimeos Files 71 29 Asset 367129 |||

Operating Instructions KVM transmission units Version KVM-\* -CAT-\* Version KVM-\* -MM-\* Version KVM-\* -S ... out Audio in Ethernet copper connection \* Transmission 1.....8 Pin Signal 1 TRD0 2 TRD0- 3 **TRD1** 4 **TRD1**- 5 TRD2 6 TRD2- 7 TRD3 8 TRD3- 9 SHLD Typical colour coding Orange / white Ora...

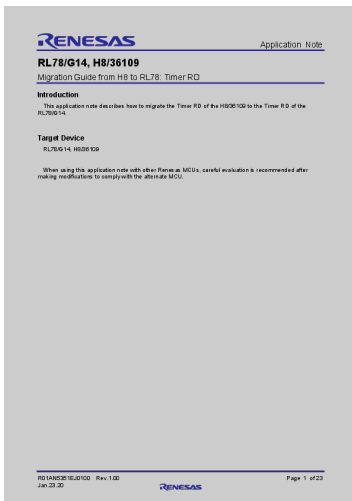
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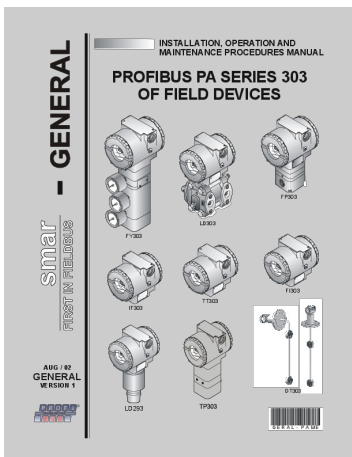
[\[pdf\]](#) Guide

RL78 G14 H8 36109 Migration Timer Rev 1 00 Renesas Electronics Corporation REN r01an5351ej0100  
rl78g14 APN 20201207 renesas us en document apn h836109 migration guide h8 rl78 timer rd |||  
RL78/G14, H8/36109 Migration Guide from H8 to RL78: Timer RD Application Note  
Introduction This ap ... TRDSYNC bit in the TRDMR value to 0 TRDCNT\_1 and  
TRDCNT\_0 operate register is set to 0 TRD0 and **TRD1** as independent timer  
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RL78 G14 H8 36109 Migration Timer Rev 1 00 Renesas Electronics Corporation REN r01an5351ej0100  
rl78g14 APN 20201207 renesas us en document apn h836109 migration guide h8 rl78 timer rd language  
RL78/G14, H8/36109 Migration Guide from H8 to RL78: Timer RD Application Note  
Introduction This ap ... TRDSYNC bit in the TRDMR value to 0 TRDCNT\_1 and  
TRDCNT\_0 operate register is set to 0 TRD0 and **TRD1** as independent timer  
counters . Data can operate independently . Data can be be written to TR...  
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[\[pdf\]](#) User Manual Specifications

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INSTALLATION, OPERATION AND MAINTENANCE PROCEDURES MANUAL  
PROFIBUS PA SERIES 303 OF FIELD DEVICES F ... parameters using the local  
adjustment procedure: CONF: just select a LCD, for example LCD2; BLOCK: **TRD1**,  
or the desired transducer **TRD1**, TRD2, TRD3 ; PRMT: set the value 39  
ACTUATOR\_ACTION , accordin...  
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|                                                           |                                 |
|-----------------------------------------------------------|---------------------------------|
| <b>MICROCHIP</b>                                          |                                 |
| <b>Section 33. Programming and Diagnostics</b>            |                                 |
| <b>HIGHLIGHTS</b>                                         |                                 |
| This section of the manual contains the following topics: |                                 |
| 33.1                                                      | Introduction                    |
| 33.2                                                      | Control Registers               |
| 33.3                                                      | Operation                       |
| 33.4                                                      | Interrupts                      |
| 33.5                                                      | IO Pins                         |
| 33.6                                                      | Operation in Power-Saving Modes |
| 33.7                                                      | Effects of Reset                |
| 33.8                                                      | Application Notes               |
| 33.9                                                      | Extended Application Notes      |
| 33.10                                                     | Revision History                |

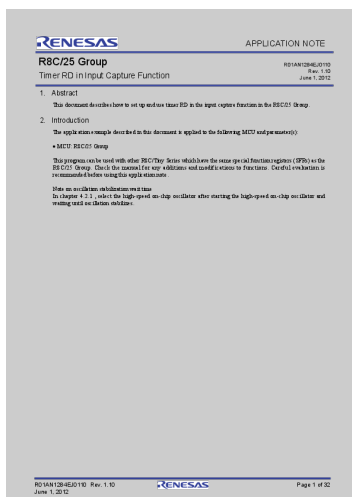
## [\[pdf\]](#) User Manual Instructions

Prog Diag 61129C fm PIC24 WDT MCHP Valenti Section 33 Programming and Diagnostics Microchip Instructions in the JTAG boundary scan protocol allow testing of any one device chain or combination devices without entire PIC32MX FRM Sect33 Diagnostic from rss ww1 microchip en DeviceDoc ||| Section 33. Programming and Diagnostics HIGHLIGHTS This section of the manual contains the followin ... Diagram of Programming, Debugging, and Trace Ports PGC1 PGD1 PGC2 PGD2 TDI TDO TCK TMS TRCLK TRD0 **TRD1** TRD2 TRD3 ICSP™ Controller ICESEL JTAG Controller JTAGEN DEBUG 1:0 Instruction Trace Control... lang:en **score:19** filesize: 343.12 K page\_count: 24 document date: 2008-04-15



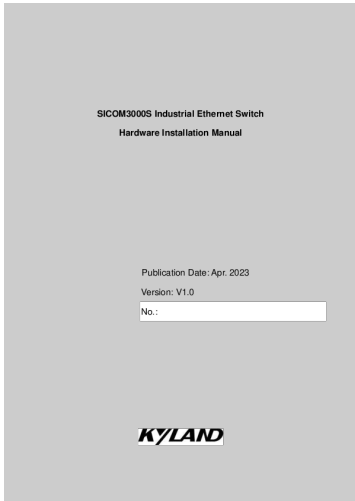
## [\[pdf\]](#) User Manual

PCoS MISCOM7028GX MISCOM8028GX Series Industrial Ethernet Switch User Manual 1f3p5j6irldkui2b maiwe upload 20210421 ||| MISCOM7028GX/MISCOM8028GX Series Industrial Ethernet Switch User Manual Edition: V1.1 Wuhan Maiwe ... ed-T pin definition table. Pin Number MDI-X Signal Name MD Signal Name 1 Transmit/receive data **TRD1** Transmit /receive data TRD0 2 Transmit /receive data **TRD1**- Transmit /receive data TRD0... lang:en **score:18** filesize: 463.35 K page\_count: 22 document date: 2020-11-14



## [\[pdf\]](#) User Manual

R8C 25 Group Timer RD in Input Capture Function R01AN1284EJ0110 Renesas Electronics Corporation Check the manual for any additions and modifications to functions Refer Hardware Manual information on TRDiC register interrupt vectors REN r01an1284ej0110 r8c APN 20120601 www2.renesas.cn en document apn r8c25 group timer rd input capture function language us APPLICATION NOTE R8C/25 Group Timer RD in Input Capture Function R01AN1284EJ0110 Rev. 1.10 June 1, ... TRDGRA0 register Complementary PWM Compare match with TRD0 register mode and TRDGRA0 register **TRD1** register underflow PWM3 mode Compare match with TRD0 register and TRDGRA0 register Transfer ... lang:en **score:18** filesize: 516.97 K page\_count: 34 document date: 2012-08-01



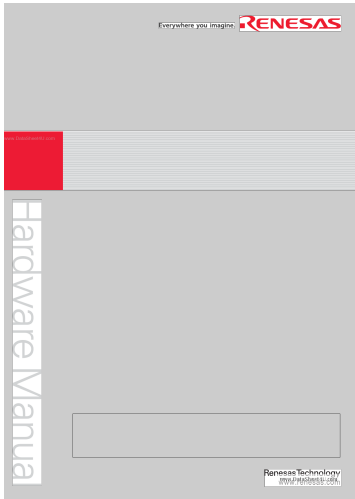
[pdf] User Manual Documentation

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lang:en score:18 filesize: 763.79 K page\_count: 29 document date: 2023-05-09



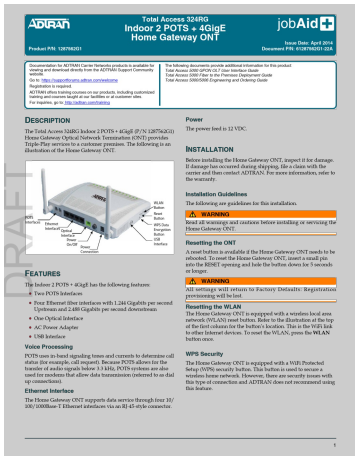
[pdf] User Manual Specifications Datasheet

R8C 24 Group 25 Hardware Manual jþ Rev 3 00 R5F21256SDFP Schematic Renesas datasheet

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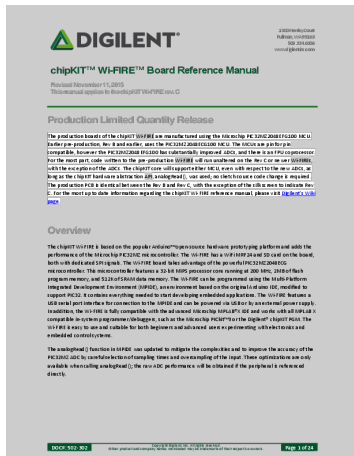
[pdf] User Manual Documentation Guide

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## [pdf] User Manual

Norman MacDonald chipKIT™ Wi FIRE™ Board Reference Manual Production Limited

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1300 Henley Court Pullman, WA 99163 509.334.6306 www.digilentinc.com

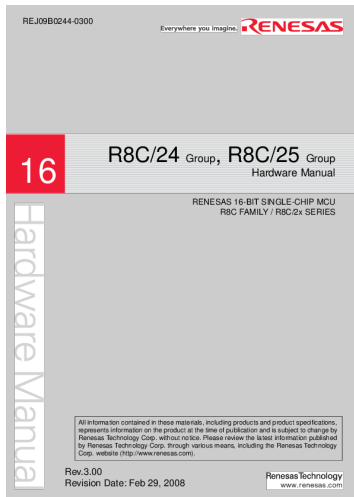
chipKIT™ Wi-FIRE™ Board Refer ... A18/AN30/RPF13/SCK5/RF13 66 89 RA06

TRCLK/SQICLK/RA6 67 97 RG13 TRD0/SQID0/RG13 68 96 RG12

**TRD1**/SQID1/RG12 69 95 RG14 TRD2/SQID2/RG14 70 90 RA07 TRD3/SQID3/RA7

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## [pdf] User Manual Specifications

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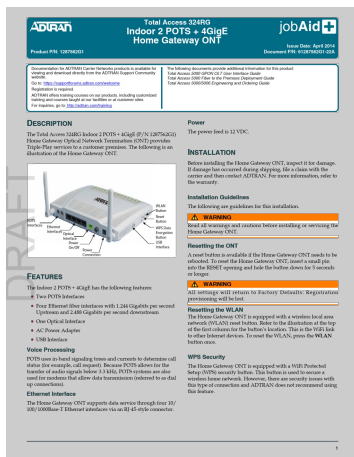
REJ09B0244-0300 16 R8C/24 , Group R8C/25 Group Hardware Manual RENESAS

16-BIT SINGLE-CHIP MCU R8C ... 7h 0048h Timer RD0 Interrupt Control Register

TRD0IC 0049h Timer RD1 Interrupt Control Register **TRD1**IC 004Ah Timer RE

Interrupt Control Register TREIC 004Bh 004Ch 004Dh Key Input Interrupt Co...

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## [pdf] User Manual Documentation Guide

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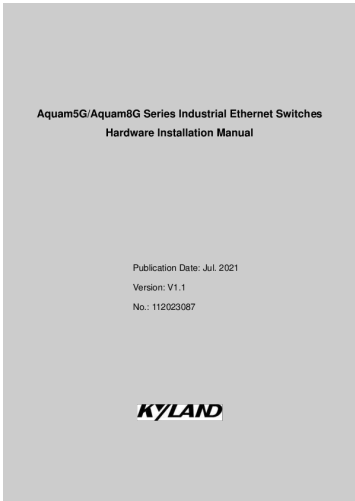
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table below. Pin Name 1 TRD0 2 TRD0- 3 **TRD1** 4 TRD2 5 TRD2- 6 **TRD1**- 7 TRD3 8

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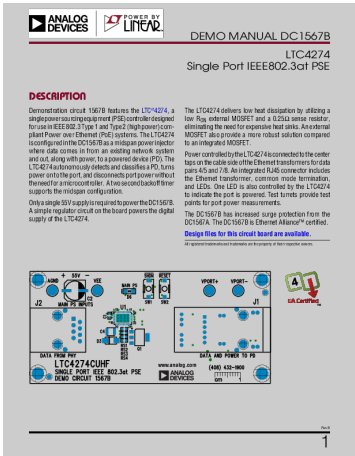
Aquam5G Aquam8G Series Industrial Ethernet Switches Hardware Installation Manual V1 1 5GE H6

Промышленные коммутаторы Kyland 20Series 20Industrial 20Ethernet 20Switches 20Hardware

20Installation 20Manual v 1677515185 cdn shopify s files 0729 4867 8961 |||

Aquam5G/Aquam8G Series Industrial Ethernet Switches Hardware Installation Manual Publication Date: J ... Pin Definitions of M12/RJ45 Port Pin MDI-X Signal MDI Signal M12 Port 1 Transmit/Receive Data **TRD1** Transmit/Receive Data TRD0 2 Transmit/Receive Data **TRD1**- Transmit/Receive Data TRD0...

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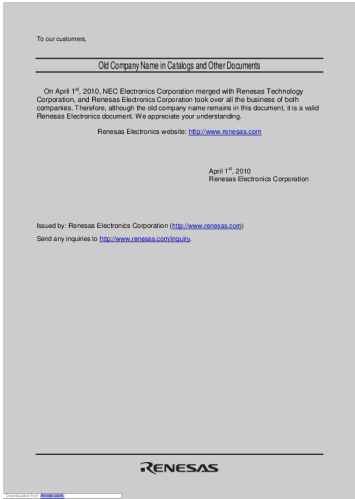
DC1567B Rev B Single Port IEEE802 3at PSE Analog Devices Inc dc1567b analog media en dsp

documentation evaluation kit manuals

DEMO MANUAL DC1567B LTC4274 Single Port IEEE802.3at PSE DESCRIPTION

Demonstration circuit 1567B fea ... TA AND POWER TO PD D DATA FROM PHY 1 2 9 3 4 5 10 6 7 8 J2 SS-7188S-A-NF R1 75 11 12 **TRD1** TRCT1 10 **TRD1**- R2 75 4 TRD2 6 TRCT2 5 TRD2- R4 75 3 TRD3 1 TRCT3 2 TRD3- R3 75 8 TRD4...

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[pdf] User Manual Catalog

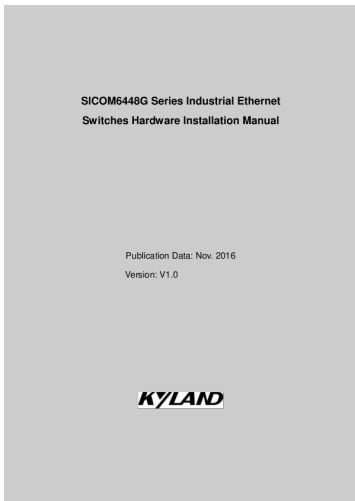
R8C 2K Group 2L Hardware Manual Dec 21 07 Rev 1 10 RENESAS PKC Компоненти

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To our customers, Old Company Name in Catalogs and Other Documents On April 1st, 2010, NEC Electroni ... ntrol Register INT3 Interrupt Control Register INT0 Interrupt Control Register Symbol TRCIC TRD0IC **TRD1**IC S2TIC S2RIC KUPIC ADIC S0TIC S0RIC TRAIC TRBIC INT1IC INT3IC INT0IC Page 103 103 103 102 102...

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## [\[pdf\]](#) User Manual Documentation Catalog

wangtingting Hardware manual SICOM6448G 4X8G24GX16GE HV від Kyland — A TEX UA Product

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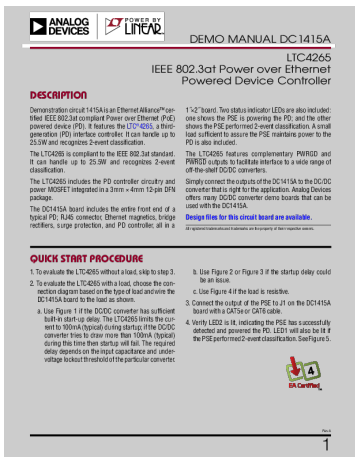
SICOM6448G Series Industrial Ethernet Switches Hardware Installation Manual

Publication Date: Nov. 2 ... ble 4 Pin Definitions of 10/100/1000Base-T X RJ45 Port

Pin MDI-X MDI 1 Transmit/Receive Data **TRD1** Transmit/Receive Data TRD0 2

Transmit/Receive Data **TRD1**- Transmit/Receive Data TRD0...

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## [\[pdf\]](#) User Manual Documentation

DC1415A Rev A IEEE 802.3at Power over Ethernet Powered Device Controller Analog Devices Inc

dc1415a analog media en dsp documentation evaluation kit manuals

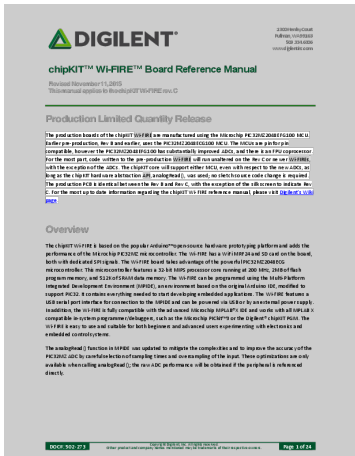
DEMO MANUAL DC1415A LTC4265 IEEE 802.3at Power over Ethernet Powered

Device Controller DESCRIPTION ... 11 2 C1 0.1uF 100V 2 D1 SMAJ58A C2 10uF

100V VOUT E1 0838-1X1T-W7 1 22 1 D4 D5 TP1 **TRD1** 11 TRCT1 12 **TRD1**- 10

B2100 B2100 TP2 U1 RMPS 3K 1W TRD2 4 D6 D7 VIN LTC4265CDE TRCT...

lang:en **score:16** filesize: 301.32 K page\_count: 6 document date: 2018-11-08



## [\[pdf\]](#) User Manual

Norman MacDonald chipKIT Wi FIRE™ Board Reference Manual 1300 Henley Court Pullman WA 99163

509 334 6306 digilentinc chipKIT™ Revised November 11 2015 This manual applies to the FIRE rev C

chipkit wi fire rm mouser ca docs Production Limited Quantity Release The production boards of are

manufactured using Microchip PIC32MZ2048EFG100 MCU Earlier pre Rev B and earlier uses View |||

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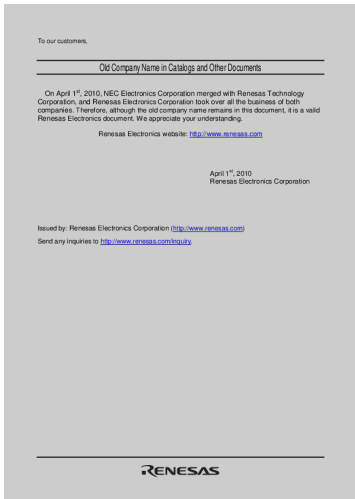
chipKIT™ Wi-FIRE™ Board Refer ... A18/AN30/RPF13/SCK5/RF13 66 89 RA06

TRCLK/SQICLK/RA6 67 97 RG13 TRD0/SQID0/RG13 68 96 RG12

**TRD1**/SQID1/RG12 69 95 RG14 TRD2/SQID2/RG14 70 90 RA07 TRD3/SQID3/RA7

N/A 13 VSS N/A 14 V...

lang:en **score:16** filesize: 1.1 M page\_count: 24 document date: 2016-05-02



## [\[pdf\]](#) User Manual Datasheet Catalog

R8C 2K Group 2L Hardware Manual Dec 21 07 Rev 1 10 2 R5F212K2SDFP V2 oleh MFGChips Saham

di COM R5F212K2SNFP X6 mfgchips sg datasheets ac |||

To our customers, Old Company Name in Catalogs and Other Documents On April

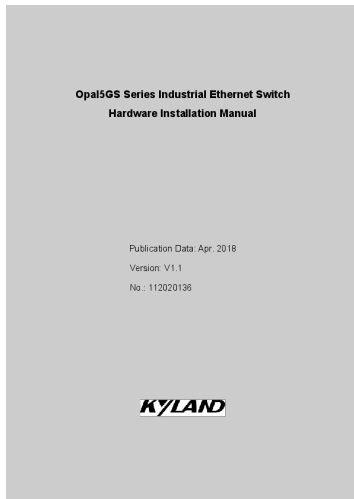
1st, 2010, NEC Electroni ... ntrl Register INT3 Interrupt Control Register INT0

Interrupt Control Register Symbol TRCIC TRD0IC **TRD1**IC S2TIC S2RIC KUPIC

ADIC S0TIC S0RIC TRAIC TRBIC INT1IC INT3IC INT0IC Page 103 103 103 102

102...

lang:en **score:16** filesize: 5.05 M page\_count: 473 document date: 2010-03-24



## [\[pdf\]](#) User Manual Documentation

Hardware Installation Manual Opal5GS 1GX4GP L16 Промышленные коммутаторы Kyland D0 A0 D1 83 BA BE B2 B4 81 82 20 BF B0 BD cdn shopify s files 1 0729 4867 8961 B5 20Opal5GS v 1677509187

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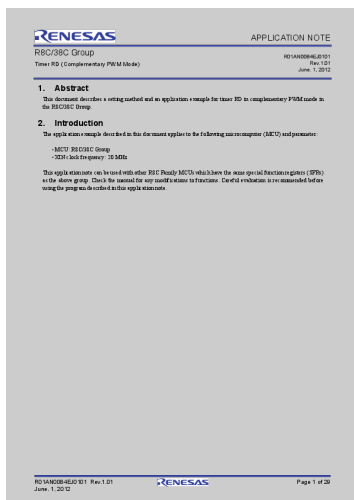
Opal5GS Series Industrial Ethernet Switch Hardware Installation Manual Publication

Data: Apr. 2018 V ... ble 5 Pin Definitions of 10/100/1000Base-T X RJ45 Port Pin

MDI-X MDI 1 Transmit/Receive Data **TRD1** Transmit/Receive Data TRD0 2

Transmit/Receive Data **TRD1**- Transmit/Receive Data TRD0- ...

lang:en **score:16** filesize: 753.95 K page\_count: 20 document date: 2018-07-05



## [\[pdf\]](#) User Manual

R8C 38C Group Timer RD Complementary PWM Mode R01AN0084EJ0101 Renesas Electronics

Corporation Check the manual for any modifications to functions Careful evaluation is recommended

before using program described in this application note REN r01an0084ej0101 r8c APN 20120601 www2

renesas cn en document apn r8c38c group timer rd complementary pwm mode language

R8C/38C Group Timer RD Complementary PWM Mode APPLICATION NOTE

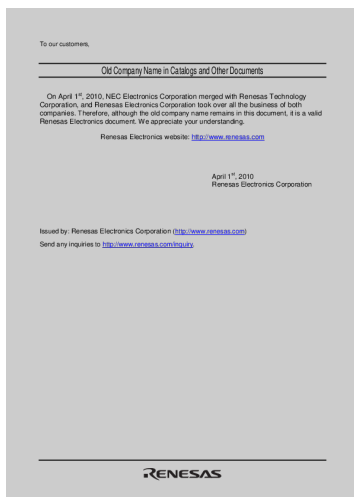
R01AN0084EJ0101 Rev.1.01 June. 1, ... register when incrementing. Enable the

compare match interrupt of registers TRD0 and TRDGRA0. The **TRD1** register is

decremented at the compare match of registers TRD0 and TRDGRA0 when

incrementing. ...

lang:en **score:16** filesize: 598.97 K page\_count: 32 document date: 2012-06-07



## [\[pdf\]](#) User Manual Datasheet Catalog

R8C 20 21 Group Hardware Manual Aug 27 08 Rev 2 00 1 R5F2121AJFP U0 Renesas Electronics

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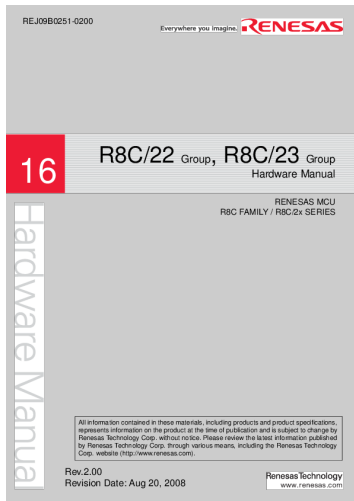
1st, 2010, NEC Electroni ... 0074h 0075h 0076h 0077h 0078h 0079h 007Ah 007Bh

007Ch 007Dh 007Eh 007Fh Symbol TRD0IC **TRD1**IC TREIC KUPIC ADIC

SSUIC/IICIC S0TIC S0RIC S1TIC S1RIC INT2IC TRAIC TRBIC INT1IC INT3IC

INT0IC ...

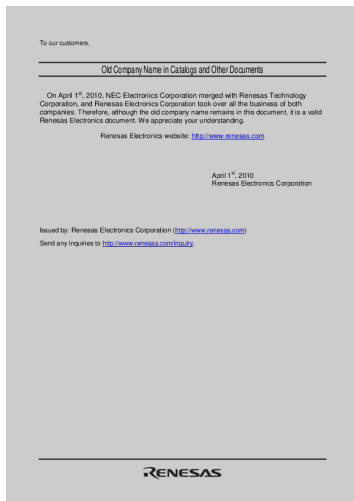
lang:en **score:16** filesize: 4.96 M page\_count: 503 document date: 2010-03-24



### [pdf] User Manual Specifications

R8C 22 23 Group Hardware Manual REJ09B0251 0200 Aug 20 08 Rev 2 00 Octopart Corp website  
renesas 16 RENESAS MCU FAMILY 2x SERIES R8C22 mikrocontroller net attachment 55987  
REJ09B0251-0200 16 R8C/22 , Group R8C/23 Group Hardware Manual RENESAS  
MCU R8C FAMILY / R8C/2x SER ... pt Control Register INT0 Interrupt Control  
Register Symbol C01WKIC C0RECIC C0TRMIC C01ERRIC TRD0IC **TRD1IC** TREIC  
KUPIC ADIC SSUIC/IICIC S0TIC S0RIC S1TIC S1RIC INT2IC TRAIC TRBIC INT1IC  
INT3IC INT0IC ...

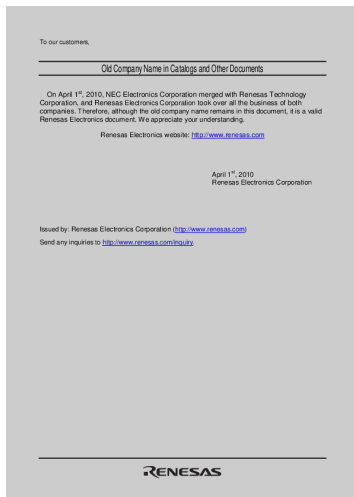
lang:en score:15 filesize: 5.34 M page\_count: 549 document date: 2008-09-04



### [pdf] User Manual Datasheet Catalog

R8C 22 23 Group Hardware Manual Aug 20 08 Rev 2 00 1 R5F21236KFP U1 Renesas Electronics  
America Stock available from Infinity Semiconductor with Best Price at c6 R5F21237DFP U0 infinity  
semiconductor datasheet |||  
To our customers, Old Company Name in Catalogs and Other Documents On April  
1st, 2010, NEC Electroni ... pt Control Register INT0 Interrupt Control Register  
Symbol C01WKIC C0RECIC C0TRMIC C01ERRIC TRD0IC **TRD1IC** TREIC KUPIC  
ADIC SSUIC/IICIC S0TIC S0RIC S1TIC S1RIC INT2IC TRAIC TRBIC INT1IC INT3IC  
INT0IC ...

lang:en score:15 filesize: 5.43 M page\_count: 551 document date: 2010-03-24



### [pdf] User Manual Datasheet Catalog

R8C 24 Group 25 Hardware Manual Feb 29 08 Rev 3 00 2 R5F21245SNFP V2 Renesas Electronics  
America Stock available from Infinity Semiconductor with Best Price at 28 R5F21248SNFP infinity  
semiconductor datasheet |||  
To our customers, Old Company Name in Catalogs and Other Documents On April  
1st, 2010, NEC Electroni ... 7h 0048h Timer RD0 Interrupt Control Register TRD0IC  
0049h Timer RD1 Interrupt Control Register **TRD1IC** 004Ah Timer RE Interrupt  
Control Register TREIC 004Bh 004Ch 004Dh Key Input Interrupt Co...

lang:en score:15 filesize: 5.29 M page\_count: 527 document date: 2010-03-24

PTS-DR200L Clock Server Hardware Installation Manual

Published: October 2023  
Version: V1.0

**KYLAND**

#### [\[pdf\]](#) User Manual Instructions Documentation

wangtingting Скачать PTS DR200L 1111 HV Сервер точного времени для установки на DIN рейку 2 порта 100 1000BaseX SFP 10 100Base T X 1 порт 1000Base источник сигнала GPS BDS GLONASS настраиваемый внутренний осциллятор TCXO 1xBNC 112021094 pts dr200l clock server hardware installation manual v1 01 nnz ipc ru files documentation Kyland |||

PTS-DR200L Clock Server Hardware Installation Manual Published: October 2023  
Version: V1.0 Disclai ... ber Table3 10/100 Base-T X RJ45 Interface Pin Definition Pin MDI-X MDI 1 Send/receive data **TRD1** Send/receive data TRD0 2 Send/receive data **TRD1**- Send/receive data TRD0- 3 Sen...

lang:en **score:14** filesize: 875.83 K page\_count: 27 document date: 2024-04-26

Hardware Installation Manual for PTS-10AL Economical Rack Clock Server

Published: November 2023  
Version: V1.0

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Скачать PTS 10AL 17511 HV сервер точного времени GPS BDS GLONASS два канала TCXO 2xBNC SAT IN 1xIRIG B FI PPS PPM PPH IRIG OUT 2xRS485 TOD 2xRS232 1 Gigabit Combo портом 4 портами 10 100Base T X 2 блока питания 220 перем то pts 10al installation manual v1 0 nnz ipc ru files documentation Kyland |||

Hardware Installation Manual for PTS-10AL Economical Rack Clock Server  
Published: November 2023 Vers ... Table3 10/100/1000Base-T X RJ45 Interface Pin Definition Pin MDI-X MDI 1 Send/receive data **TRD1** Send/receive data TRD0 2 Send/receive data **TRD1**- Send/receive data TRD0- 3 Sen...

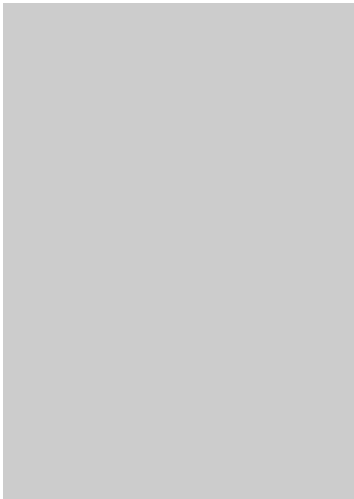
lang:en **score:14** filesize: 359.34 K page\_count: 24 document date: 0000-00-00

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112023039 Opal10 Opal20SeriesEntry LevelIndustrialEthernetSwitchHardwareInstallationManual V1 2 docx Lenovo Скачать Opal20 2SFP16T LV Неуправляемый коммутатор с слотами 100Base X SFP 16 портами 10 T разъем RJ45 два входа питания 18 30 В перем или 12 48 пост рабочая температура от 40 до 75°C Kyland rukovodstvo po apparatnoj chasti opal20 v1 21 nnz ipc ru files documentation manual |||

Opal10/Opal20 Series Entry-Level Industrial Ethernet Switch Hardware Installation Manual Publication ... t Table 5 Pin Definitions of 10/100Base-T X RJ45 Port Pin MDI-X MDI 1 Transmit/Receive Data **TRD1** Transmit/Receive Data TRD0 2 Transmit/Receive Data **TRD1**- Transmit/Receive Data TRD0...

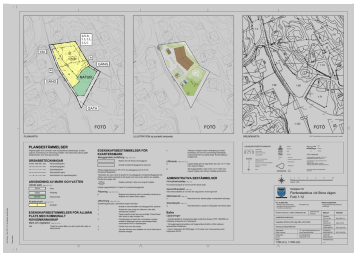
lang:en **score:13** filesize: 976.16 K page\_count: 25 document date: 2024-06-06



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112023039 Opal10 Opal20SeriesEntry LevelIndustrialEthernetSwitchHardwareInstallationManual V1 2  
docx Lenovo Скачать Opal20 E 2S16T ST40 LV Неуправляемый коммутатор с портами 100Base FX  
одномод разъем ST 40 км 16 10 T X RJ45 два входа питания 18 30 В перем или 12 48 пост рабочая  
температура от до 60°C Kyland opal20 hardware installation manual v1 nnz ipc ru files documentation |||  
Opal10/Opal20 Series Entry-Level Industrial Ethernet Switch Hardware Installation  
Manual Publication ... t Table 5 Pin Definitions of 10/100Base-T X RJ45 Port Pin MDI-  
X MDI 1 Transmit/Receive Data **TRD1** Transmit/Receive Data TRD0 2  
Transmit/Receive Data **TRD1**- Transmit/Receive Data TRD0...

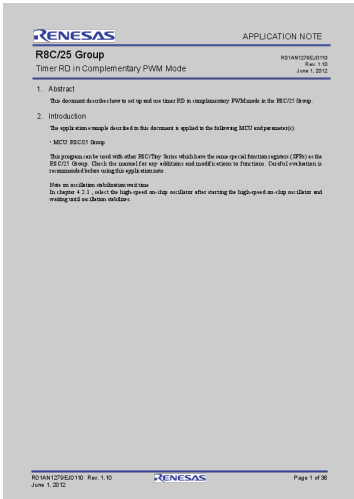
lang:en score:13 filesize: 1.2 M page\_count: 26 document date: 2022-04-12



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Xref ritning: . Dnr 0157\_19 - Grundkarta\_samrd.dwg Rasterbilder: Lr 1407-97/2.1  
Stora vgen Stora vgen Stora vgen Kngavgen **trd1** u1 a1 GNG p1 b1 b2 f1 f2 f3 f4 f5  
f6 f7 B 12.5 a1 GNG u1 NATUR Kngavgen GATA Lr 1407-97/2.1 PLANKARTA FOT  
ILLUSTRATION ej juridiskt bindande FOT PLANBESTMM...

lang:no score:10 filesize: 437.87 K page\_count: 1 document date: 2022-04-20

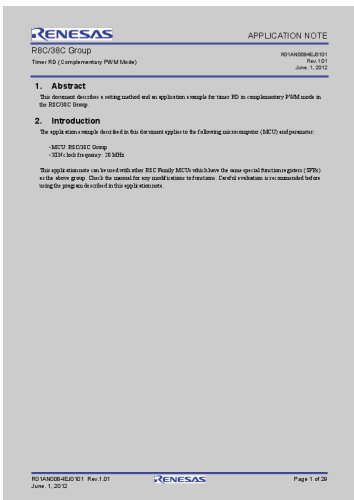


[pdf] User Manual

R8C 25 Group Timer RD in Complementary PWM Mode R01AN1279EJ0110 Renesas Electronics  
Corporation REN r01an1279ej0110 r8c APN 20120601 renesas us en document apn r8c25 group timer rd  
complementary pwm mode language |||

R8C/25 Group Timer RD in Complementary PWM Mode APPLICATION NOTE  
R01AN1279EJ0110 Rev. 1.10 June 1, ... TRDGRA0 register Complementary PWM  
mode Compare match with TRD0 register and TRDGRA0 register **TRD1** register  
underflow PWM3 mode Compare match with TRD0 register and TRDGRA0 register i  
= 0 or ...

lang:en score:10 filesize: 688.73 K page\_count: 40 document date: 2012-07-31



[pdf] User Manual

R8C 38C Group Timer RD Complementary PWM Mode R01AN0084EJ0101 Renesas Electronics  
Corporation RenesasThis document describes a setting method and an application example for timer in  
complementary mode the 2 IntroductionREN r01an0084ej0101 r8c APN 20120601renesas en apn r8c38c  
group rd pwm srsltid AfmBOorz95toXp7IEMPV1ES jZqMm2rGxcSoLDoWMznjmlKCL6qOUv4 |||

R8C/38C Group Timer RD Complementary PWM Mode APPLICATION NOTE  
R01AN0084EJ0101 Rev.1.01 June. 1, ... register when incrementing. Enable the  
compare match interrupt of registers TRD0 and TRDGRA0. The **TRD1** register is  
decremented at the compare match of registers TRD0 and TRDGRA0 when  
incrementing. ...

lang:en score:10 filesize: 598.97 K page\_count: 32 document date: 2012-06-07

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|  <div>KTA1552</div>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Dual Channel Active EMI & ESD Suppressor for Ethernet Applications                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Features</b> <ul style="list-style-type: none"> <li>Enables system designers to comply with: <ul style="list-style-type: none"> <li>CEMark and FCC Part 15, Class B requirements for Radiated and Conducted Emissions</li> <li>IEC 61000-4-3 requirements for Radiated and Conducted Immunity, Level 2 or higher</li> <li>IEC 61000-4-2 ESD (Air Discharge) of ±25kV</li> <li>IEC 61000-4-1 ESD (Contact Discharge) of ±15kV</li> <li>Class Discharge Event (CDE) of ±15kV</li> <li>Provides up to 1000 or additional common mode noise suppression over the frequency of 10kHz to 100MHz when used with Ethernet magnetics</li> <li>Reduces risk in ESD suppressors protect the Ethernet PHY and improves system ESD performance</li> <li>CEMark and FCC, ESD, VDE or other interfaces to standard Ethernet transmitters and 10/100/1000 Ethernet PHYs</li> <li>Uses a single standard power rail (3.3V or 2.5V)</li> <li>Operates at input/output that can be biased from 1.8V to 3.3V using transformer center tap supply as needed based on choice of Ethernet PHY</li> <li>Flow through routing for ease of board layout</li> <li>Typical power consumption of 10mW</li> <li>Low power mode available</li> <li>Industrial temperature range (-40°C to +85°C)</li> </ul> </li> </ul> | <b>Brief Description</b> <p>The KTA1552 is a true channel, highly integrated CMOS solution for Common Mode (CM) noise suppression &amp; transient voltage protection in Ethernet applications. The KTA1552 provides the most advanced and designed to provide system level ESD protection and ESD suppression in Ethernet products, including in-situ path to system EMC compliance.</p> <p>The KTA1552 utilizes Kinetic Technologies' patented Active Choke technology which offers superior Common Mode reduction and immunity compared to passive filtering techniques in Ethernet applications. The adaptive and continuous suppression operates over the entire Ethernet signal bandwidth and is transparent to many signals. But are the source of common mode noise in Ethernet systems. It also improves the differential to common mode balance of the system. This enables system designers to meet ISO emissions and EMI immunity requirements from the start of the design.</p> <p>In addition, the KTA1552 includes highly robust ESD/Surge protection devices to protect the Ethernet PHY from vertical, transient overvoltage events. These are built using Kinetic's proprietary design and layout techniques to safely deal with very high current densities in a CMOS process without creating voltage and/or thermal stresses that cause damage to the device.</p> <p>Even KTA1552 supports two limited pair interfaces, 10/100 applications require one KTA1552 device while 10/100/1000 applications require two KTA1552 devices. The KTA1552 is available in a small footprint 16 pin QFN or 18 pin TSSOP with a 2.0mm Reduction of Hazardous Substances (RoHS) compliant package.</p> |
| <b>Applications</b> <ul style="list-style-type: none"> <li>Ethernet systems requiring additional CM suppression to meet EMC Class B emissions or higher EMI immunity requirements and ESD protection</li> <li>PoE and Non PoE Ethernet systems</li> <li>Auto Phones, IP Cameras, WebTV, Routers, Servers</li> <li>Set Top Boxes, Networked Printers and Applications, Desktop and Laptop Computers</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| August 2010 - Revision 0b                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Page 1 Company Confidential                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |

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KTA1552 Quad Channel Active EMI ESD Suppressor for Ethernet Applications Phil Dewsbury Download

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KTA1552 Quad Channel Active EMI ESD Suppressor for Ethernet Applications

Features Enables syste ... 17, 20 18, 19 21, 31 22, 32 A, OD A, OD A, OD A, OD A, OD A TRD3A TRD3B GND VDD TRD2A TRD2B **TRD1A TRD1B** TRD0A TRD0B RESERVED EXRES1, EXRES2 PHY media differential pair 3 positive or negative ...

lang:en **score:10** filesize: 969.99 K page\_count: 16 document date: 2019-07-25

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|  <div>KTA1550</div>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Dual Channel Active EMI & ESD Suppressor for Ethernet Applications                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
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| August 2010 - Revision 0b                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Page 1 Company Confidential                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |

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KTA1550 Dual Channel Active EMI ESD Suppressor for Ethernet Applications

Features Enables syste ... Pin Descriptions Pin # I/O Name Function 1, 16 2, 15 3, 6 4, 5 7, 10 8, 9 11 12 13 14 EP A, OD **TRD1A** PHY media differential pair 1 positive or negative signal. Note that circuit electrical conne...

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[pdf] Datasheet Test Report

KTA1550 Dual Channel Active EMI ESD Suppressor for Ethernet Applications Phil Dewsbury Kinetic

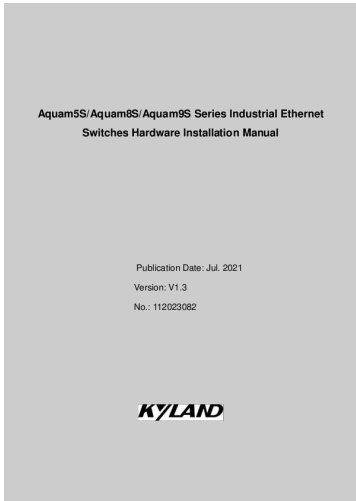
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KTA1550 Dual Channel Active EMI ESD Suppressor for Ethernet Applications

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|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <div>KTA1550</div>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Dual Channel Active EMI & ESD Suppressor for Ethernet Applications                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Features</b> <ul style="list-style-type: none"> <li>Enables system designers to comply with: <ul style="list-style-type: none"> <li>CEMark and FCC Part 15, Class B requirements for Radiated and Conducted Emissions</li> <li>IEC 61000-4-3 requirements for Radiated and Conducted Immunity, Level 2 or higher</li> <li>IEC 61000-4-2 ESD (Air Discharge) of ±25kV</li> <li>IEC 61000-4-1 ESD (Contact Discharge) of ±15kV</li> <li>Class Discharge Event (CDE) of ±15kV</li> <li>Provides up to 1000 or additional common mode noise suppression over the frequency of 10kHz to 100MHz when used with Ethernet magnetics</li> <li>Reduces risk in ESD suppressors protect the Ethernet PHY and improves system ESD performance</li> <li>CEMark and FCC, ESD, VDE or other interfaces to standard Ethernet transmitters and 10/100/1000 Ethernet PHYs</li> <li>Uses a single standard power rail (3.3V or 2.5V)</li> <li>Operates at input/output that can be biased from 1.8V to 3.3V using transformer center tap supply as needed based on choice of Ethernet PHY</li> <li>Flow through routing for ease of board layout</li> <li>Typical power consumption of 10mW</li> <li>Low power mode available</li> <li>Industrial temperature range (-40°C to +85°C)</li> </ul> </li> </ul> | <b>Brief Description</b> <p>The KTA1550 is a single chip, highly integrated CMOS solution for Common Mode (CM) noise suppression &amp; transient voltage protection in Ethernet applications. The KTA1550 provides the most advanced and designed to provide system level ESD protection and ESD suppression in Ethernet products, including in-situ path to system EMC compliance.</p> <p>The KTA1550 utilizes Kinetic Technologies' patented Active Choke technology which offers superior Common Mode reduction and immunity compared to passive filtering techniques in Ethernet applications. The adaptive and continuous suppression operates over the entire Ethernet signal bandwidth and is transparent to many signals. But are the source of common mode noise in Ethernet systems. It also improves the differential to common mode balance of the system. This enables system designers to meet ISO emissions and EMI immunity requirements from the start of the design.</p> <p>In addition, the KTA1550 includes highly robust ESD/Surge protection devices to protect the Ethernet PHY from vertical, transient overvoltage events. These are built using Kinetic's proprietary design and layout techniques to safely deal with very high current densities in a CMOS process without creating voltage and/or thermal stresses that cause damage to the device.</p> <p>Even KTA1550 supports two limited pair interfaces, 10/100 applications require one KTA1550 device while 10/100/1000 applications require two KTA1550 devices. The KTA1550 is available in a small footprint 16 pin QFN or 18 pin TSSOP with a 2.0mm Reduction of Hazardous Substances (RoHS) compliant package.</p> |
| <b>Applications</b> <ul style="list-style-type: none"> <li>Ethernet systems requiring additional CM suppression to meet EMC Class B emissions or higher EMI immunity requirements and ESD protection</li> <li>PoE and Non PoE Ethernet systems</li> <li>Auto Phones, IP Cameras, WebTV, Routers, Servers</li> <li>Set Top Boxes, Networked Printers and Applications, Desktop and Laptop Computers</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| August 2010 - Revision 0b                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Page 1 Company Confidential                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |



[\[pdf\]](#) User Manual Documentation

admin Руководство по установке Kyland Aquam5S 5P WV — купить неуправляемый промышленный коммутатор с PoE выгодной цене ABE0H bfac6be0 7fa2 446a 8a4f 2aaf400cbf06 aveon ru technical support kyland |||

Aquam5S/Aquam8S/Aquam9S Series Industrial Ethernet Switches Hardware Installation Manual Publication ... Pin Definitions of M12/RJ45 Port Pin MDI-X Signal MDI Signal M12 Port 1 Transmit/Receive Data **TRD1** Transmit/Receive Data TRD0 2 Transmit/Receive Data **TRD1**- Transmit/Receive Data TRD0...

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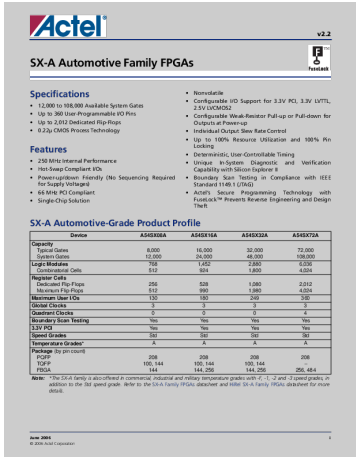


[\[pdf\]](#) Test Report

EMC TRF Template Tara Mitchell Test Report New Wanaka Limited 721 The ONE Roll Up Drum 2A3AI721

TEST REPORT For Bluetooth-EDR Report No. .... :  
CHTEW22080201 Pro ... : The ONE Model No.  
.....: **TRD1** Listed Model s .....: - Standard  
.....

lang:en **score:10** filesize: 1.34 M page\_count: 31 document date: 2022-09-08



[\[pdf\]](#) Specifications Datasheet

SX A Automotive FPGAs Microchip Technology A54SX08A TQG144A 494 Datasheet SXA Auto DS 1594032 mouser datasheet 2 268 |||

v2.2 TM SX-A Automotive Family FPGAs ue Specifications 12,000 to 108,000 Available System Gates Up to 360 User-Programmable I/O Pins Up to 2,012 Dedicated Flip-Flops 0.22 CMOS Process Technology Features 250 MHz Internal Performance Hot-Swap Compliant I/Os Power-up/down Friendly No Sequenci...  
lang:en **score:10** filesize: 459.55 K page\_count: 69 document date: 2006-06-23

|                                                                                                                                                                                         |          |         |          |          |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|---------|----------|----------|
| <b>SX-A Automotive Family FPGAs</b>                                                                                                                                                                                                                                      |          |         |          |          |
| <b>Specifications</b>                                                                                                                                                                                                                                                    |          |         |          |          |
| <ul style="list-style-type: none"> <li>12,000 to 108,000 Available System Gates</li> <li>Up to 360 User Programmable I/O Pins</li> <li>Up to 252 Dedicated Flip-Flops</li> <li>0.25 CMOS Process Technology</li> </ul>                                                   |          |         |          |          |
| <b>Features</b>                                                                                                                                                                                                                                                          |          |         |          |          |
| <ul style="list-style-type: none"> <li>230 Mbit Internal Performance</li> <li>IEEE 1654 Compliant I/O</li> <li>Configurable Memory</li> <li>Programmable Fanout (Logic Sequencing Required)</li> <li>64 Kbit EPROM Configurable</li> <li>Single-Chip Solution</li> </ul> |          |         |          |          |
| <b>SX-A Automotive Grade Product Profile</b>                                                                                                                                                                                                                             |          |         |          |          |
| Device                                                                                                                                                                                                                                                                   | AS162GA  | AS162GA | AS162GA  | AS162GA  |
| <b>Capacity</b>                                                                                                                                                                                                                                                          | 6,000    | 10,000  | 32,000   | 75,000   |
| System Gates                                                                                                                                                                                                                                                             | 1,000    | 1,000   | 3,000    | 7,000    |
| Logic Elements                                                                                                                                                                                                                                                           | 500      | 1,000   | 2,800    | 6,000    |
| Flip-Flops                                                                                                                                                                                                                                                               | 100      | 100     | 300      | 700      |
| <b>Memory Cells</b>                                                                                                                                                                                                                                                      | 500      | 500     | 1,000    | 2,000    |
| On-Chip ROMs                                                                                                                                                                                                                                                             | 100      | 100     | 1,000    | 2,000    |
| Memory Bit Capacity                                                                                                                                                                                                                                                      | 0        | 0       | 0        | 0        |
| Memory Cell Capacity                                                                                                                                                                                                                                                     | 0        | 0       | 0        | 0        |
| 3.3V I/O                                                                                                                                                                                                                                                                 | Yes      | Yes     | Yes      | Yes      |
| 5V I/O                                                                                                                                                                                                                                                                   | Yes      | Yes     | Yes      | Yes      |
| <b>Temperature Grade*</b>                                                                                                                                                                                                                                                | A        | A       | A        | A        |
| Package (Pins/Temp)                                                                                                                                                                                                                                                      |          |         |          |          |
| PGP                                                                                                                                                                                                                                                                      | 208      | 304     | 304      | 304      |
| PGA                                                                                                                                                                                                                                                                      | 105, 104 | 144     | 104, 106 | 208, 204 |
| PLP                                                                                                                                                                                                                                                                      | 104      | 144     | 104, 106 | 208      |

\* -55°C to 125°C is classified as industrial and military temperature grades of -40°C and +125°C, respectively. -55°C to 125°C is the 3rd grade part. 0°C to 125°C is the 2nd grade part and 0°C to 85°C is the 1st grade part. 0°C to 85°C is the 1st grade part.

June 1994

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U.S. FOOD & DRUG ADMINISTRATION

December 9, 2021

DSEA, Midstatecme  
Dr. Matthew Eminger  
Director, Council on  
Scheduling of Controlled Substances  
1555 Long Street, Suite 300  
Alexandria, Virginia 22314

Re: D211184  
Tanda, Dr. Steve H. Title Inmate  
Regulation Number: 11 CFR 314.4800  
Regulation Name: Banda, Dr. Steve H. (Banda is a registered nurse)  
Regulatory Class: Class II  
Product Code: 171

Dear Dr. Steve H. Banda:

The Food and Drug Administration (FDA) is sending this letter to notify you of an administrative change made to your pre-procedural administrative review (SCE) administrative letter dated 11/24/2021. Specifically, FDA is updating the SCE letter file in type as the Separate name, from "DSEA, Midstatecme" to "DSEA, Midstatecme" as an administrative change.

Please note that 10031 administrative review is not approved. For operations regarding this letter please contact:  
Shia Chen-Feng, Ph.D. CHRT, Office of Operations, Regulatory, ERT and Clinical Division,  
301-766-6447, [shia\\_chen\\_feng@fda.hhs.gov](mailto:shia_chen_feng@fda.hhs.gov)

Sincerely,

Shia Chen-Feng, Ph.D.  
Assistant Director for  
CHRT, Division of Dental and ERT Director  
CHRT, Office of Operations,  
Regulatory, ERT and Clinical Division  
Office of Product Evaluation and Quality  
Center for Drug Evaluation and Research

cc: Public Health Division

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SX A Automotive FPGAs SXA Auto DS microsemi document portal doc 130721 sx a automotive family  
fpgas datasheet |||

v2.2 TM SX-A Automotive Family FPGAs ue Specifications 12,000 to 108,000

Available System Gates Up to 360 User-Programmable I/O Pins Up to 2,012

Dedicated Flip-Flops 0.22 CMOS Process Technology Features 250 MHz Int

Performance Hot-Swap Compliant I/Os Power-up/down Friendly No Sequencing

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SEMICONDUCTOR TRANSISTOR ELECTRONIC ISO ICPD FCOM CATALOG ARCHIVE Provided By

Open as ACTEL A54SX32A 000350738 key 68f81b1fe3519a1da0b3e6eba364e47a r 1 s1 dtsheet store data |||

v2.2 TM SX-A Automotive Family FPGAs ue Specifications 12,000 to 108,000

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lang:en score:10 filesize: 498.41 K page\_count: 68 document date: 2014-01-14

[\[pdf\]](#) Accessories

Microsoft Word K211894 SE FINAL Addendum 20211209 docm SCP November 2021 510 K Clearances  
FDA accessdata fda.gov cdrh docs 21 |||

DISA Medinotec Matthew Krueger Senior Consultant Biologics Consulting Group, Inc.

1555 King Street, ... ch of the 9 models. Table 1: Catheter Models and Balloon

Specifications Product Reference Number **TRD1-06030** **TRD1-07030** **TRD1-08030**

**TRD1-09030 TRD1-10030 TRD1-12040 TRD1-14540 TRD1-16040 TRD1-18040 ...**

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## v3.1 40MX and 42MX Automotive FPGA Families Features High Capacity Single-Chip

## ASIC Alternative for Automotive Applications 3,000 to 54,000 System Gates Up to 2.5

kbits Configurable Dual-Port SRAM Fast Wide-Decode Circuitry Up to 202 User-

## Programmable I/O Pins Ease of Integration Up to 100 ...

lang:en score:9 filesize: 537.06 K page count: 78 document date: 2014-01-14

