

General Configuration

Parameter	Value
Jitter	< 150 fs
Package	2.5 x 2 mm
Output Frequency	1000 MHz
Frequency Stability	± 25 ppm
VDD Voltage	3.3 V
Output Type	LVPECL
Output Enable/Disable Position (E/D) Position	Pin 5
Temperature Grade	-40°C to +85°C

Pin Assignment

Pin Number	Pin Name	Description
1	NC	No connect
2	NC	No connect
3	VC (NA)	Voltage Control (Not active for XO mode)
4	SDA (NA)	Serial data (Not active for XO mode)
5	OE	Output Enable (0 = output disabled; pulled high internally)
6	SCL (NA)	Serial Clock (Not active for XO mode)
7	VDD Output	Supply voltage output stage - must be connected to VDD Core
8	Output 0	Output
9	Output 0b	Complementary output
10	Ground Output	Ground Output/Ground Core/E-pad all connect to Common Ground
11	VDD Core	Supply voltage system core - must be connected to VDD Output
12	Ground Core	Ground Output/Ground Core/E-pad all connect to Common Ground

IMPORTANT NOTICE AND DISCLAIMER

RENESAS ELECTRONICS CORPORATION AND ITS SUBSIDIARIES ("RENESAS") PROVIDES TECHNICAL SPECIFICATIONS AND RELIABILITY DATA (INCLUDING DATASHEETS), DESIGN RESOURCES (INCLUDING REFERENCE DESIGNS), APPLICATION OR OTHER DESIGN ADVICE, WEB TOOLS, SAFETY INFORMATION, AND OTHER RESOURCES "AS IS" AND WITH ALL FAULTS, AND DISCLAIMS ALL WARRANTIES, EXPRESS OR IMPLIED, INCLUDING, WITHOUT LIMITATION, ANY IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, OR NON-INFRINGEMENT OF THIRD-PARTY INTELLECTUAL PROPERTY RIGHTS.

These resources are intended for developers who are designing with Renesas products. You are solely responsible for (1) selecting the appropriate products for your application, (2) designing, validating, and testing your application, and (3) ensuring your application meets applicable standards, and any other safety, security, or other requirements. These resources are subject to change without notice. Renesas grants you permission to use these resources only to develop an application that uses Renesas products. Other reproduction or use of these resources is strictly prohibited. No license is granted to any other Renesas intellectual property or to any third-party intellectual property. Renesas disclaims responsibility for, and you will fully indemnify Renesas and its representatives against, any claims, damages, costs, losses, or liabilities arising from your use of these resources. Renesas' products are provided only subject to Renesas' Terms and Conditions of Sale or other applicable terms agreed to in writing. No use of any Renesas resources expands or otherwise alters any applicable warranties or warranty disclaimers for these products.

(Disclaimer Rev.1.01 Jan 2024)

Corporate Headquarters

TOYOSU FORESIA, 3-2-24 Toyosu,
Koto-ku, Tokyo 135-0061, Japan
www.renesas.com

Contact Information

For further information on a product, technology, the most up-to-date version of a document, or your nearest sales office, please visit www.renesas.com/contact-us/.

Trademarks

Renesas and the Renesas logo are trademarks of Renesas Electronics Corporation. All trademarks and registered trademarks are the property of their respective owners.