

ONFi Interposers

154-Ball | Direct Attach | XH Series

OVERVIEW

The ONF-A-CDA-154 interposer with built-in riser, enables probing of an ONFI 154-ball flash memory component at the ball grid array(BGA) with an oscilloscope.

KEY FEATURES

- ONFi 154-ball
- Easily access all signals
- Probe with an oscilloscope
- XH Series
- Embedded tap resistors
- Small keep-out volume
- Riser built in
- S-parameters for system simulation
- Oscilloscope de-embedding s-parameters
- Install with standard BGA rework
- Attachment and analysis services available

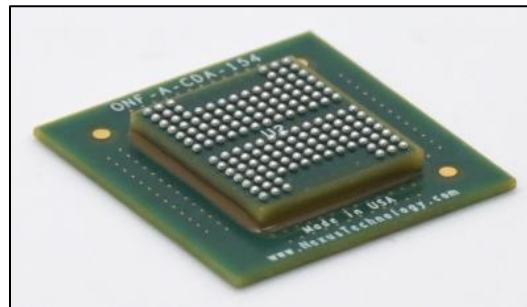
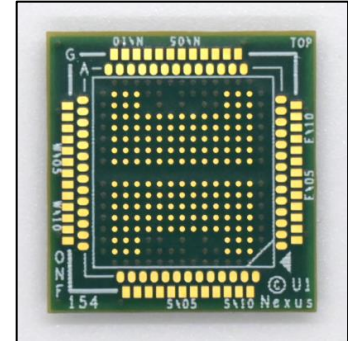


Figure 1 ONF-A-CDA-154 Bottom

BGA INTERPOSER ADVANTAGES

This ONFI BGA interposer provides complete signal access for probing with an oscilloscope. The interposer includes a built-in riser to elevate the interposer and clear adjacent components. Both the interposer and riser are easy to install using standard BGA rework practices. Or, take advantage of Nexus' attachment and testing services.

ATTACHMENT AND TESTING SERVICES

ATTACHMENT SERVICE

For each interposer, the *Attachment Service* will install a component to the interposer and the interposer to the target. Other accessories may also be attached.

TARGET BOOT & BASIC FUNCTIONALITY

For each target, this service will power on and ensure functionality of the target after the attachment service is completed.

ADDITIONAL / CUSTOM SERVICE

Additional and custom services are also available. Please contact us for more information.

SIGNAL MAPPING

Pad	Signal	Pad	Signal	Pad	Signal	Pad	Signal
N1	DQ0_0_R	S1	DQ0_1_R	G1	GND	G28	GND
N2	VSP_M4_R	S2	VSP_D10_R	G2	GND	G29	GND
N3	VSP_M5_R	S3	VSP_D9_R	G3	GND	G30	GND
N4	WP_0_N/ODT_0_N_R	S4	WP_1_N/ODT_1_N_R	G4	GND	G31	GND
N5	RFU_M6_R	S5	RFU_D8_R	G5	GND	G32	GND
N6	R/B0_1_N_R	S6	R/B0_0_N_R	G6	GND	G33	GND
N7	CE3_1_N_R	S7	CE3_0_N_R	G7	GND	G34	GND
N8	CE0_1_N_R	S8	CE0_0_N_R	G8	GND	G35	GND
N9	CE1_1_N_R	S9	CE1_0_N_R	G9	GND	G36	GND
N10	DQ7_1_R	S10	DQ7_0_R	G10	GND	G37	GND
N11	RFU_M10_R	S11	RFU_D4_R	G11	GND	G38	GND
N12	CE2_1_N_R	S12	CE2_0_N_R	G12	GND	G39	GND
N13	WE_1_N/CLK_1_R	S13	WE_0_N/CLK_0_R	G13	GND	G40	GND
E1	RE_0_C_R	W1	RE_1_C_R	G14	GND	G41	GND
E2	DQ5_0_R	W2	DQ5_1_R	G15	GND	G42	GND
E3	DQ4_0_R	W3	DQ4_1_R	G16	GND	G43	GND
E4	RE_0_N/W/R_0_N_R	W4	RE_1_N/W/R_1_N_R	G17	GND	G44	GND
E5	DQ6_0_R	W5	DQ6_1_R	G18	GND	G45	GND
E6	R/B1_0_N_R	W6	R/B1_1_N_R	G19	GND	G46	GND
E7	CLE_0_R	W7	CLE_1_R	G20	GND	G47	GND
E8	ALE_0_R	W8	ALE_1_R	G21	GND	G48	GND
E9	DQS_0_T_R	W9	DQS_1_T_R	G22	GND	G49	GND
E10	DQS_0_C_R	W10	DQS_1_C_R	G23	GND	G50	GND
E11	DQ3_0_R	W11	DQ3_1_R	G24	GND		
E12	DQ2_0_R	W12	DQ2_1_R	G25	GND		
E13	DBI_0/NU_R	W13	DBI_1/NU_R	G26	GND		
E14	DQ1_0_R	W14	DQ1_1_R	G27	GND		

Figure 2 ONF-A-CDA-154 Signals Probed

DIMENSION DRAWINGS

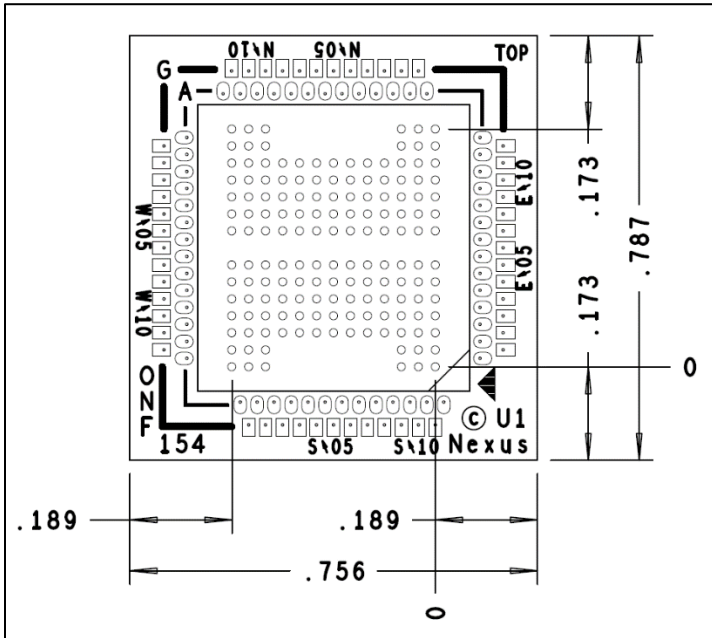


Figure 3 ONF-A-CDA-154 Top View Dimensions

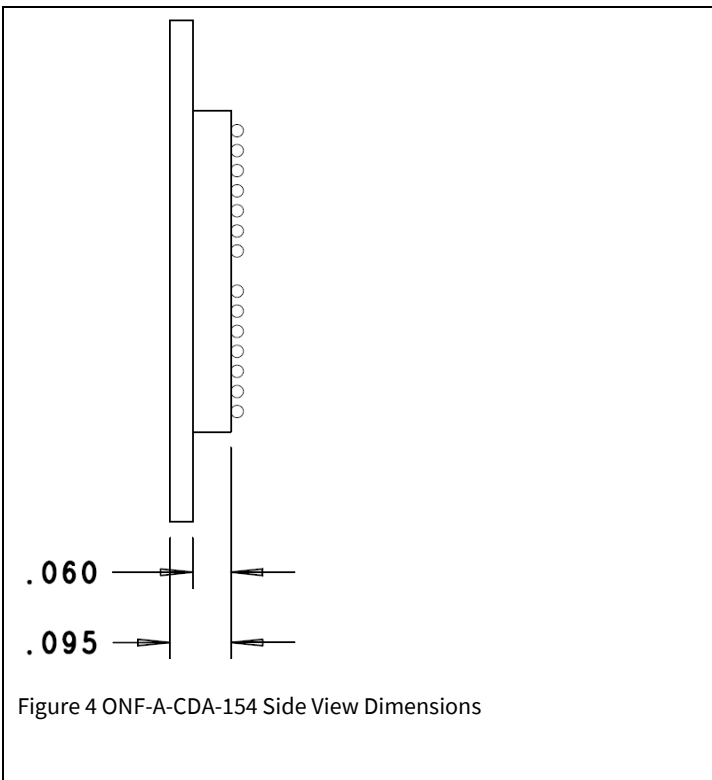


Figure 4 ONF-A-CDA-154 Side View Dimensions

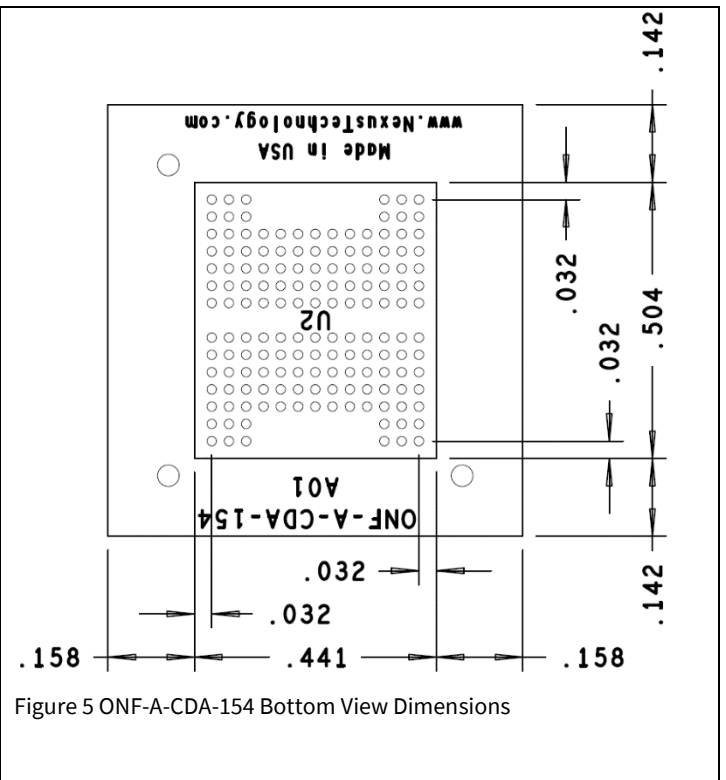


Figure 5 ONF-A-CDA-154 Bottom View Dimensions

PRODUCT CONFIGURATION TABLE

Product Name	Description	Nexus Order Number
ONF-A-CDA-154	ONFI 154-Ball Direct Attach Interposer	NEX-ONF-A-CDA-154



www.nexustechnology.com
support@nexustechnology.com

877-595-8116

603-329-3083 (Outside USA)

78 Northeastern Blvd., Unit 2 Nashua, NH 03062