

DP515753

Deviation - Prototype • CRBU::: Churchill NG-1RU.

Pending

this deviation is for P4C-A2 HBM XR/SONIC

MB: any PCB vendor is fine  
CPU: if WUS is 28-14428-05\_02 from a recent batch you just receive, please use that. Make sure WUS is rev 02  
28-14484-04: use ISU  
28-14431-05: if only have GCE, then will have to build with GCE. If there is other vendor with 05\_02 then use that instead of GCE

BOM Deviation

HBM XR

73-20364-02\_12

- 17-15785-05. U72.
- 17-15786-04. U1\_C2.
- 17-15787-01. U1\_C0,U1\_C1
- 17-15788-04. U1\_G0
- 17-15905-01. U181\_TM
- 17-16082-02. J1C\_U1\_G1
- 17-16083-01. J1C\_U1\_G2
- 17-16084-01. J1C\_U1\_3V3L,J1C\_U1\_3V3R
- 17-16398-01. U4\_C2 to use raw part (raw material CIS-16-4194-01), and this material is non traceable.

PCAMP to use  
61-105254-02\_A0. MB HBM XR

73-19882-05\_10

- 17-15977-06. U34\_C, U36\_C. (program at Centec with v0.17 file. 4x part. micron only. dont mix vendor). please mark it so that dont mix up with XR/SONIC
- 17-15888-05. U4
  - 17-16222-01. U4\_M1
  - 17-16223-01. U5\_M2
  - 17-15879-02. U92\_C. (see if can program with -03 with dediprog. will need 4x part for XR/SONIC build)
  - 17-15890-02. U2\_I2
  - 17-15769-02. U40
  - 17-15891-05. U1

- 1. also there will be new SMT stencil to use to bridge U51\_C.13 and U51\_C.14
- 2. add 0 ohm resistor to BOM CPN (12-206780-01 / 12-5663-01) to U8.W19 and U8.Y19 at U8 BGA location. Please make sure have pick and place process ready for this
- 3. depop R1261 (12-2905-02) from BOM kitting before SMT

PCAMAP to use

61-104347-05\_A0 CPU XR

73-19953-04\_04. (I/O Board)  
73-19884-05\_06. (PDB Board)

61-104443-04\_A0 I/O Board  
61-104349-05\_A0 PDB board

Compliance label to use:

47-107874-01 rev. -A0

CLEI Information to use:

CLEI Code : CMM6210ARA  
ECI Number : 476969

HBM SONIC

73-20560-01 Rev -09

17-15785-05. U72.  
17-15786-04. U1\_C2.  
17-15787-01. U1\_C0,U1\_C1  
17-15788-04. U1\_G0  
17-15905-01. U181\_TM  
17-16082-02. J1C\_U1\_G1  
17-16083-01. J1C\_U1\_G2  
17-16084-01. J1C\_U1\_3V3L,J1C\_U1\_3V3R  
17-16398-01. U4\_C2 to use raw part (raw material CIS-16-4194-01), and this material is non traceable.

PCAMAP to use

61-105593-01\_A0 MB HBM sonic

73-20559-01 Rev -09

17-16222-01. U4\_M1  
17-16223-01. U5\_M2  
17-15879-02. U92\_C. (see if can program with -03 with dediprog. already done 4x above)  
17-15890-02. U2\_I2  
17-15891-05. U1  
17-16264-02. U34\_C, U36\_C. (need FGU to program with dediprog with version v0.217. 4x quantity. micron only  
dont mix vendor. please mark it so dont mix up between xr/sonic)  
17-16314-01. U4  
17-15769-02. U40

1. also there will be new SMT stencil to use to bridge U51\_C.13 and U51\_C.14
2. add 0 ohm resistor to BOM CPN (12-206780-01 or 12-5663-01) to U8.W19 and U8.Y19 at U8 BGA location. Please make sure have pick and place process ready for this
3. depop R1261 (12-2905-02). remove from BOM kitting before SMT

PCAMAP to use

61-105594-01\_A0 CPU SONIC

Compliance label to use:

47-108026-01 rev. -A0

CLEI Information to use:

CLEI Code : CMM6310ARA  
ECI Number : 476971

Cover Page

Number: DP515753

Deviation Type: Deviation - Prototype

Description of Change: CRBU::: Churchill NG-1RU.

this deviation is for P4C-A2 HBM XR/SONIC

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CPU: if WUS is 28-14428-05\_02 from a recent batch you just receive, please use that. Make sure WUS is rev 02  
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BOM Deviation

HBM XR

73-20364-02\_12

17-15785-05. U72.  
17-15786-04. U1\_C2.  
17-15787-01. U1\_C0,U1\_C1

Status: Pending

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Reason For Change: temporary change for P4C HBM XR/SONIC and P1B MONO XR/SONIC

Workflow: Deviation - Prototype

Originator: To, Kevin (kevinto)

Date Released:

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Effective To:

17-15788-04. U1\_G0  
 17-15905-01. U181\_TM  
 17-16082-02. J1C\_U1\_G1  
 17-16083-01. J1C\_U1\_G2  
 17-16084-01. J1C\_U1\_3V3L,J1C\_U1\_3V3R  
 17-16398-01. U4\_C2 to use raw part (raw material CIS-16-4194-01), and this material is non traceable.

PCAMP to use  
 61-105254-02\_A0. MB HBM XR

73-19882-05\_10

17-15977-06. U34\_C, U36\_C. (program at Centec with v0.17 file. 4x part. micron only. dont mix vendor). please mark it so that dont mix up with XR/SONIC  
 17-15888-05. U4  
 17-16222-01. U4\_M1  
 17-16223-01. U5\_M2  
 17-15879-02. U92\_C. (see if can program with -03 with dediprog. will need 4x part for XR/SONIC build)  
 17-15890-02. U2\_I2  
 17-15769-02. U40  
 17-15891-05. U1

1. also there will be new SMT stencil to use to bridge U51\_C.13 and U51\_C.14
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PCAMAP to use

61-104347-05\_A0 CPU XR

73-19953-04\_04. (I/O Board)  
 73-19884-05\_06. (PDB Board)

61-104443-04\_A0 I/O Board  
 61-104349-05\_A0 PDB board

Compliance label to use:

47-107874-01 rev. -A0

CLEI Information to use:

CLEI Code : CMM6210ARA  
 ECI Number : 476969

HBM SONIC

73-20560-01 Rev -09

17-15785-05. U72.  
 17-15786-04. U1\_C2.  
 17-15787-01. U1\_C0,U1\_C1  
 17-15788-04. U1\_G0  
 17-15905-01. U181\_TM  
 17-16082-02. J1C\_U1\_G1  
 17-16083-01. J1C\_U1\_G2  
 17-16084-01. J1C\_U1\_3V3L,J1C\_U1\_3V3R  
 17-16398-01. U4\_C2 to use raw part (raw material CIS-16-4194-01), and this material is non traceable.

PCAMAP to use

61-105593-01\_A0 MB HBM sonic

73-20559-01 Rev -09

17-16222-01. U4\_M1  
 17-16223-01. U5\_M2  
 17-15879-02. U92\_C. (see if can program with -03 with dediprog. already done 4x

above)  
17-15890-02. U2\_I2  
17-15891-05. U1  
17-16264-02. U34\_C, U36\_C. (need FGU to program with dediprogram with version  
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PCAMAP to use

61-105594-01\_A0 CPU SONIC

Compliance label to use:

47-108026-01 rev. -A0

CLEI Information to use:

CLEI Code : CMM6310ARA  
ECI Number : 476971

**Reason Code:** For temporary Manufacturing process change

**Change Analyst:** Change Analyst-Routing Group

**Date Originated:** 06/02/2021 10:48:31 AM PDT

**Final Complete Date:**

**Effective From:**

Page Two

**Business Unit:** CRBU

**Visibility:**

**Marking Instructions:** Please add the deviation label to the outside box sheet metal

**Reject Reason History:**

**Affected Items**

**Required Visibility:** FLEX-GUAD-BV (FGU)

**Extension / Re-extension**

**Reason:**

**Reject Reason:**

Item Number	Item Description	Revision	LifeCycle Phase	Mass	Reliability Grade	L2 Use Condition	ERP Scheduling	Control Code	SuCM	Risk Rating	Risk Reason Code	Network Critical	Safety Critical	EMC Critical	NEBS Critical	Stan
73-19882-05	PCA, DBRD, NG2 1RU, CPU BOARD, Broadwell DE	-10	Prototype	No Privilege	A	3	Success					Yes	No	Yes	No	
73-19953-04	PCA, DBRD, NG2 1RU, I/O	-04	Prototype	No Privilege	A	3	Success					Yes	No	Yes	No	
73-20364-02	PCA, MBRD, NG2 1RU, 2.5D GB, BASE BOARD , TI JMAC	-12	Prototype	No Privilege	A	3	Success	CN: Cisco Negotiated				Yes	No	Yes	No	

Item Number	Item Description	Revision	LifeCycle Phase	Mass	Reliability Grade	L2 Use Condition	ERP Scheduling	Control Code	SuCM	Risk Rating	Risk Reason Code	Network Critical	Safety Critical	EMC Critical	NEBS Critical	Stan
73-20559-01	PCA, DBRD, NG2 1RU, CPU BOARD, HBM Open PID	-09	Prototype	No Privilege	A	3	Success	CN: Cisco Negotiated				Yes	No	Yes	No	
73-20560-01	PCA, MBRD, NG2 1RU, HBM GB, BASE BOARD , OPEN PID	-09	Prototype	No Privilege	A	3	Success	CN: Cisco Negotiated				Yes	No	Yes	No	

Workflow

Status Code	Workflow Status	Reviewer Job Function	Reviewer	Action	Workflow	Req'd	Signoff User	Status Changed By	Local Client Time	Signoff Comments	Signoff Duration
Current Process	Pending				Deviation - Prototype						

Relationships

Criteria Met	Name	Description	Current Status	Rule	Type
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Attachments

Filename	File Description	File Size	File Type	Folder Number	Folder Description	Folder Version	Checkout User	Checkout Date	Modified Date	Last View Date	Label	Ch
BDXNS_10GBASET_NO_MNG_SDP_MODS_LAN0_2p00_800008D1_crc_fixed.bin		4,194,304	bin	FOLDER1424695		1			05/16/2021 11:57:10 AM PDT	05/16/2021 11:57:07 AM PDT		
sfns-0-17-gef159d3-s.bin.signed (1).signed		16,777,216	signed	FOLDER1430846		1			06/02/2021 03:37:40 PM PDT	06/02/2021 03:37:40 PM PDT		
osfns-0-217-gf344a22-sa.bin.signed		16,777,216	signed	FOLDER1430847		1			06/02/2021 03:39:21 PM PDT	06/02/2021 03:39:21 PM PDT		
61-104443-04_A0 (3).doc		176,640	doc	FOLDER1431848		1			06/04/2021 01:46:00 PM PDT	06/04/2021 01:45:59 PM PDT		
61-105594-01_A0 (2).doc		172,032	doc	FOLDER1431849		1			06/04/2021 01:46:00 PM PDT	06/04/2021 01:46:00 PM PDT		
61-105593-01_A0 (2).doc		516,608	doc	FOLDER1431850		1			06/04/2021 01:46:01 PM PDT	06/04/2021 01:46:01 PM PDT		
61-105254-02_A0 (3).doc		517,120	doc	FOLDER1431851		1			06/04/2021 01:46:02 PM PDT	06/04/2021 01:46:02 PM PDT		
61-104349-05_A0 (2).doc		171,008	doc	FOLDER1431852		1			06/04/2021 01:46:02 PM PDT	06/04/2021 01:46:02 PM PDT		
61-104347-05_A0 (1).doc		171,520	doc	FOLDER1431853		1			06/04/2021 01:48:20 PM PDT	06/04/2021 01:48:19 PM PDT		

History

Status	Next Status	Action	User	Group(s)	Local Client Time	Affected Object	Details	Comments	User(s) Notified	Find Number
Pending		User Defined Action	To, Kevin (kevinto)		06/07/2021 04:08:24 AM PDT		ChangeOrderUpdateTitleBlock: DP515753: No Action required			

Status	Next Status	Action	User	Group(s)	Local Client Time	Affected Object	Details	Comments	User(s) Notified	Find Number
Pending		Print Tab	To, Kevin (kevinto)		06/04/2021 09:25:58 AM PDT		Cover Page;Page Two;Affected Items;Workflow;Relationships;Attachments;History;			
Pending		User Defined Action	To, Kevin (kevinto)		06/04/2021 09:25:46 AM PDT		ChangeOrderUpdateTitleBlock: DP515753: No Action required			
Pending		Print Tab	To, Kevin (kevinto)		06/04/2021 09:17:49 AM PDT		Cover Page;Page Two;Affected Items;Workflow;Relationships;Attachments;History;			
Pending		Print Tab	To, Kevin (kevinto)		06/04/2021 09:17:46 AM PDT		Cover Page;Page Two;Affected Items;Workflow;Relationships;Attachments;History;			
Pending		User Defined Action	To, Kevin (kevinto)		06/04/2021 09:16:50 AM PDT		ChangeOrderUpdateTitleBlock: DP515753: No Action required			
Pending		Print Tab	To, Kevin (kevinto)		06/04/2021 08:01:12 AM PDT		Cover Page;Page Two;Affected Items;Workflow;Relationships;Attachments;History;			
Pending		User Defined Action	Hoch, Jeff (jhoch)		06/04/2021 07:44:42 AM PDT		ChangeOrderUpdateTitleBlock: DP515753: No Action required			
Pending		User Defined Action	Hoch, Jeff (jhoch)		06/04/2021 07:44:05 AM PDT		ChangeOrderUpdateTitleBlock: DP515753: No Action required			
Pending		User Defined Action	Hoch, Jeff (jhoch)		06/04/2021 07:43:46 AM PDT		ChangeOrderUpdateTitleBlock: DP515753: No Action required			
Pending		User Defined Action	Hoch, Jeff (jhoch)		06/04/2021 07:42:44 AM PDT		ChangeOrderUpdateTitleBlock: DP515753: No Action required			
Pending		User Defined Action	Hoch, Jeff (jhoch)		06/04/2021 07:41:59 AM PDT		ChangeOrderUpdateTitleBlock: DP515753: No Action required			
Pending		Add file attachment	To, Kevin (kevinto)		06/04/2021 06:48:20 AM PDT		FOLDER1431853 V 1 61-104347-05_A0 (1).doc			
Pending		Remove file attachment	To, Kevin (kevinto)		06/04/2021 06:47:32 AM PDT		FOLDER1431847 V 1 61-105594-01_A0 (3).doc			
Pending		Add file attachment	To, Kevin (kevinto)		06/04/2021 06:46:02 AM PDT		FOLDER1431852 V 1 61-104349-05_A0 (2).doc			
Pending		Add file attachment	To, Kevin (kevinto)		06/04/2021 06:46:02 AM PDT		FOLDER1431851 V 1 61-105254-02_A0 (3).doc			
Pending		Add file attachment	To, Kevin (kevinto)		06/04/2021 06:46:01 AM PDT		FOLDER1431850 V 1 61-105593-01_A0 (2).doc			
Pending		Add file attachment	To, Kevin (kevinto)		06/04/2021 06:46:00 AM PDT		FOLDER1431849 V 1 61-105594-01_A0 (2).doc			
Pending		Add file attachment	To, Kevin (kevinto)		06/04/2021 06:46:00 AM PDT		FOLDER1431848 V 1 61-104443-04_A0 (3).doc			
Pending		Add file attachment	To, Kevin (kevinto)		06/04/2021 06:45:59 AM PDT		FOLDER1431847 V 1 61-105594-01_A0 (3).doc			
Pending		User Defined Action	To, Kevin (kevinto)		06/04/2021 04:54:20 AM PDT		ChangeOrderUpdateTitleBlock: DP515753: No Action required			
Pending		Print Tab	To, Kevin (kevinto)		06/04/2021 03:55:59 AM PDT		Cover Page;Page Two;Affected Items;Workflow;Relationships;Attachments;History;			
Pending		User Defined Action	To, Kevin (kevinto)		06/04/2021 01:53:28 AM PDT		ChangeOrderUpdateTitleBlock: DP515753: No Action required			
Pending		Print Tab	To, Kevin (kevinto)		06/02/2021 08:45:36 AM PDT		Cover Page;Page Two;Affected Items;Workflow;Relationships;Attachments;History;			
Pending		User Defined Action	To, Kevin (kevinto)		06/02/2021 08:45:15 AM PDT		ChangeOrderUpdateTitleBlock: DP515753: No Action required			
Pending		User Defined Action	To, Kevin (kevinto)		06/02/2021 08:43:24 AM PDT		ChangeOrderUpdateTitleBlock: DP515753: No Action required			
Pending		User Defined Action	To, Kevin (kevinto)		06/02/2021 08:41:18 AM PDT		ChangeOrderUpdateTitleBlock: DP515753: No Action required			
Pending		Add file attachment	To, Kevin (kevinto)		06/02/2021 08:39:21 AM PDT		FOLDER1430847 V 1 osfns-0-217-gf344a22-sa.bin.signed			
Pending		Add file attachment	To, Kevin (kevinto)		06/02/2021 08:37:40 AM PDT		FOLDER1430846 V 1 sfns-0-17-gef159d3-s.bin.signed (1).signed			
Pending		Remove file attachment	To, Kevin (kevinto)		06/02/2021 08:32:21 AM PDT		FOLDER1424696 V 1 osfns-0-4-gf5f2187-sa.bin.signed			
Pending		User Defined Action	To, Kevin (kevinto)		06/02/2021 04:00:53 AM PDT		ChangeOrderUpdateTitleBlock: DP515753: No Action required			
Pending		User Defined Action	To, Kevin (kevinto)		06/02/2021 03:59:06 AM PDT		ChangeOrderUpdateTitleBlock: DP515753: No Action required			
Pending		User Defined Action	To, Kevin (kevinto)		06/02/2021 03:57:21 AM PDT		ChangeOrderUpdateTitleBlock: DP515753: No Action required			
Pending		User Defined Action	To, Kevin (kevinto)		06/02/2021 03:56:12 AM PDT		ChangeOrderUpdateTitleBlock: DP515753: No Action required			
Pending		User Defined Action	To, Kevin (kevinto)		06/02/2021 03:54:22 AM PDT		ChangeOrderUpdateTitleBlock: DP515753: No Action required			
Pending		User Defined Action	To, Kevin (kevinto)		06/02/2021 03:49:20 AM PDT		ChangeOrderUpdateTitleBlock: DP515753: No Action required			
Unassigned	Pending	Change Status	To, Kevin (kevinto)		06/02/2021 03:49:20 AM PDT		Unassigned => Deviation - Prototype.Pending			
Unassigned		User Defined Action	To, Kevin (kevinto)		06/02/2021 03:48:34 AM PDT		ChangeOrderUpdateTitleBlock: DP515753: No Action required			
Unassigned		User Defined Action	To, Kevin (kevinto)		06/02/2021 03:48:34 AM PDT		ChangeOrderUpdateTitleBlock: DP515753: No Action required			
Unassigned		User Defined Action	To, Kevin (kevinto)		06/02/2021 03:48:34 AM PDT		ChangeOrderUpdateTitleBlock: DP515753: No Action required			
Unassigned		User Defined Action	To, Kevin (kevinto)		06/02/2021 03:48:33 AM PDT		ChangeOrderUpdateTitleBlock: DP515753: No Action required			
Unassigned		User Defined Action	To, Kevin (kevinto)		06/02/2021 03:48:33 AM PDT		ChangeOrderUpdateTitleBlock: DP515753: No Action required			

Status	Next Status	Action	User	Group(s)	Local Client Time	Affected Object	Details	Comments	User(s) Notified	Find Number
Unassigned		User Defined Action	To, Kevin (kevinto)		06/02/2021 03:48:33 AM PDT		ChangeOrderUpdateTitleBlock: DP515753: No Action required			
Unassigned		User Defined Action	To, Kevin (kevinto)		06/02/2021 03:48:33 AM PDT		ChangeOrderUpdateTitleBlock: DP515753: No Action required			
Unassigned		Create	To, Kevin (kevinto)		06/02/2021 03:48:32 AM PDT	DP515622	Save From Class: Deviations, Name: DP515622			

Printed by: To, Kevin (kevinto) on 06/07/2021 11:08:35 AM PDT