IDT.

Integrated Device Technology, Inc.
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Errata Notification

EN #: TPEN-19-01	Errata Revision #:	0
Issue Date: January 28, 2019	Effective Date:	Immediate
IDT Product Affected: 9Z Devices Rev D and higher. Refer to page 2 for the list of affected part numbers		

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ERRATA DETAILS:

☐ Data Sheet Errata

■ Device Errata

☐ Device Manual Errata

☐ Application Notes Errata

This errata effects devices operating in Low BW or High BW PLL (ZDB) mode. This errata does not apply to devices operating in Bypass/fan-out mode (HIBW_BYPM-LOBW# pin set to the Mid-position).

Errata:
Under rare conditions, listed devices may exhibit a no-output condition at power up. IDT is correcting this issue with updated ATE test programs.

Remediation:
Customers using the devices in one of the ZDB modes should let their IDT sales person know at the time of their order. The IDT Sales person will take the necessary steps to ensure the orders are tested with the updated ATE program. The customer may confirm that their parts are tested to the new ATE program by reading Register 28 (0x1C). Parts tested with the new ATE program will read back 0x43.

Work-Arounds:
The user may confirm the errata condition by reading Register 50 (0x32). If bits [5:0] are 0b000000, the device is in a "no-output at power-up" state. This condition can be cleared by either of the following actions:

1. Initiate a new power cycle.
OR
2. Read Byte 28 (0x1C), toggle bit 2, then force a hard system reset

If the device and system have powered up normally, there are no issues with the devices; there are also no issues with devices operating in Bypass/fan-out mode.

CUSTOMER NOTIFICATION:

Please contact your local IDT Sales Representative or the contact shown on this notice to request additional information.

Errata TPEN-19-01 Affected Part List

9ZXL1952DNHGI	9ZXL0831EKKLF
9ZXL1952DNHGI8	9ZXL0831EKKLFT
9ZXL1951DNHGI	9ZXL0831EKILF
9ZXL1951DNHGI8	9ZXL0831EKILFT
9ZXL1950DKILF	9ZXL0652EKILF
9ZXL1950DKILFT	9ZXL0652EKILFT
9ZXL1930DKILF	9ZXL0651EKILF
9ZXL1930DKILFT	9ZXL0651EKILFT
9ZXL1550DKILF	9ZXL0632EKILF
9ZXL1550DKILFT	9ZXL0632EKILFT
9ZXL1530DKILF	9ZXL0631EKILF
9ZXL1530DKILFT	9ZXL0631EKILFT
9ZXL1252EKILF	9ZXL0451EKILF
9ZXL1252EKILFT	9ZXL0451EKILFT
9ZXL1251EKILF	9ZX21901DKLF
9ZXL1251EKILFT	9ZX21901DKLFT
9ZXL1232EKILF	9ZML1253EKILF
9ZXL1232EKILFT	9ZML1253EKILFT
9ZXL1231EKILF	9ZML1252EKILF
9ZXL1231EKILFT	9ZML1252EKILFT
9ZXL1231EKILF/W	9ZML1233EKILF
9ZXL1231EKILF-1K/W	9ZML1233EKILFT
9ZXL0852EKILF	9ZML1232FKILF
9ZXL0852EKILFT	9ZML1232FKILFT
9ZXL0851EKKLF	9ZML1232EKILF
9ZXL0851EKKLFT	9ZML1232EKILFT
9ZXL0851EKILF	9Z61196DNHGI
9ZXL0851EKILFT	9Z61196DNHGI8
9ZXL0832EKILF	9Z61195DKILF
9ZXL0832EKILFT	9Z61195DKILFT