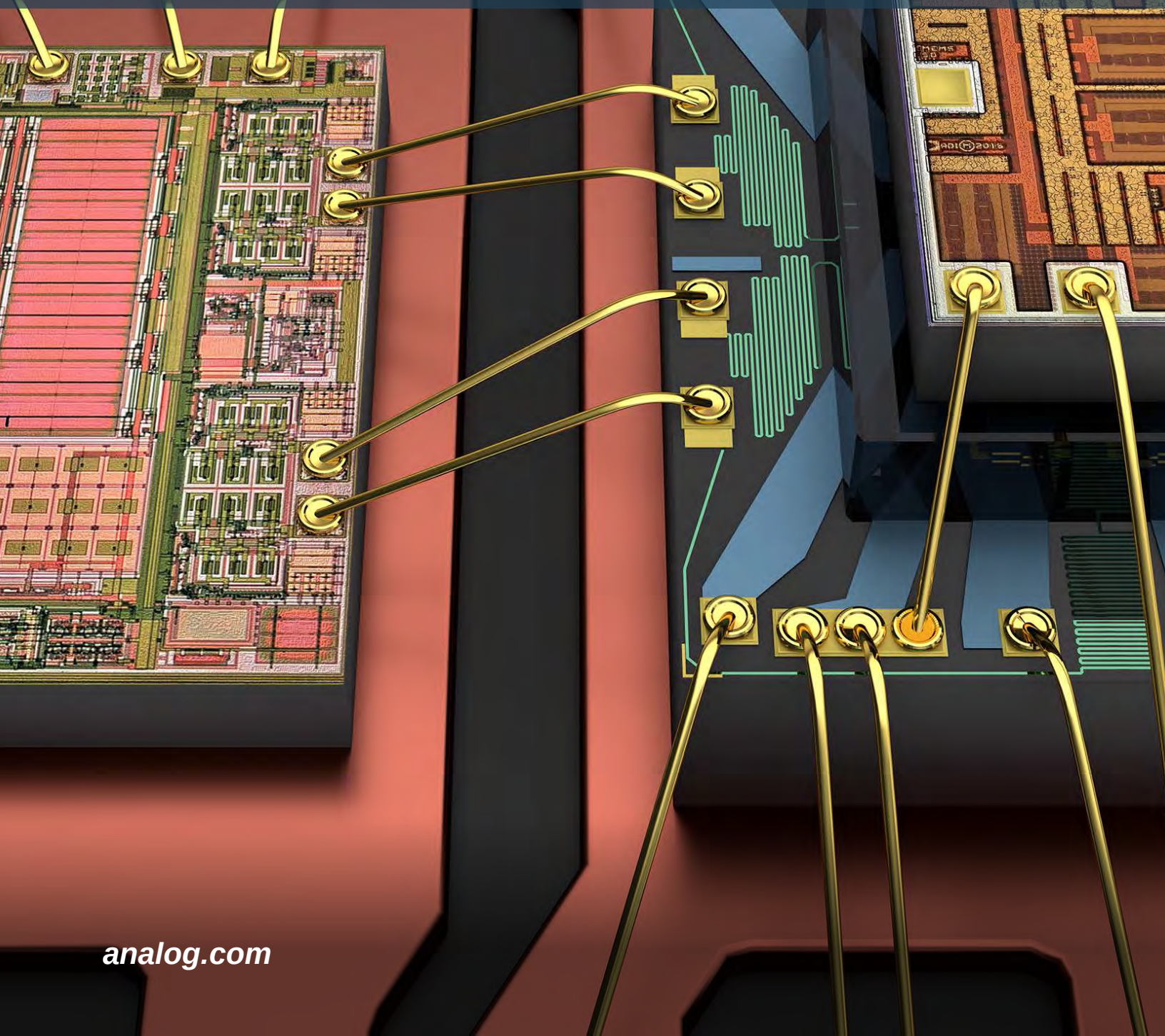
ANALOG DEVICES

AHEAD OF WHAT'S POSSIBLE™

RELIABILITY REPORT



analog.com

RELIABILITY DATA

LT1070/71/72/73/1082/1170/71/72/73/1268/69/70/71 LT1572 LT1676/84/1776/77

11/2/2011

• OPERATING LIFE TEST

PACKAGE TYPE	SAMPLE SIZE	OLDEST DATE CODE	NEWEST DATE CODE	K DEVICE HOURS (1) AT +125°C	NUMBER OF (2) FAILURES
CERDIP	50	9013	9013	51.52	0
SIDEBRAZE	119	9013	9201	255.34	0
TO-3	302	8601	9339	1,660.97	0
PLASTIC DIP	1,654	8820	9934	8,080.22	0
SOIC/SOT/MSOP	258	9107	9901	283.71	0
DD PACK	1,100	9138	9549	6,059.88	0
TO-220	5,241	8601	0234	19,341.71	0
	8,724			35,733.35	0

• HIGHLY ACCELERATED STRESS TEST AT +131°C/85%RH

PACKAGE TYPE	SAMPLE SIZE	OLDEST DATE CODE	NEWEST DATE CODE	K DEVICE HOURS (4) AT +85°C	NUMBER OF FAILURES
PLASTIC DIP	589	9044	9544	1,614.84	0
SOIC/SOT/MSOP	403	9107	9338	1,012.22	0
DD PACK	475	9147	9549	952.46	0
TO-220	1,030	9050	9619	2,154.84	0
	2,497			5,734.36	0

• PRESSURE COOKER TEST AT 15 PSIG, +121°C

PACKAGE TYPE	SAMPLE SIZE	OLDEST DATE CODE	NEWEST DATE CODE	K DEVICE HOURS	NUMBER OF FAILURES
PLASTIC DIP	2,531	9501	0738	147.27	0
SOIC/SOT/MSOP	7,192	9501	1014	417.52	0
TO-220	10,530	9501	1021	453.57	0
DD PACK	7,586	9501	1010	383.59	0
	27,839			1,401.95	0

• TEMP CYCLE FROM -65°C to +150°C

PACKAGE TYPE	SAMPLE SIZE	OLDEST DATE CODE	NEWEST DATE CODE	K DEVICE CYCLES	NUMBER OF FAILURES
CERDIP	15	0641	0641	1.50	0
TO-3	95	8845	9339	12.70	0
PLASTIC DIP	2,731	9015	0738	1,413.90	0
SOIC/SOT/MSOP	5,589	9030	1014	1,280.74	0
DD PACK	16,560	9147	1010	2,222.31	0
TO-220	28,076	9010	1021	5,613.92	0
	53,066			10,545.07	0

• THERMAL SHOCK FROM -65°C to +150°C

PACKAGE TYPE	SAMPLE SIZE	OLDEST DATE CODE	NEWEST DATE CODE	K DEVICE CYCLES	NUMBER OF FAILURES
CERDIP	53	9444	0641	5.30	0
TO-3	94	8727	9339	5.15	0
PLASTIC DIP	2,177	8820	0738	1,287.35	0
SOIC/SOT/MSOP	5,997	9030	1014	1,303.05	0
DD PACK	6,263	9147	1010	1,647.80	0
TO-220	8,857	8809	1021	2,585.50	0
	23,441			6,836.65	0

(1) Assumes Activation Energy = 1 Electron Volts
(2) Failure Rate Equivalent to +55°C, 60% Confidence Level = 0.05 FITS
(3) Mean Time Between Failures in Years = 2,281,542
(4) Assumes 20X Acceleration from 85°C to +131°C
Note: 1 FIT = 1 Failure in One Billion Hours.