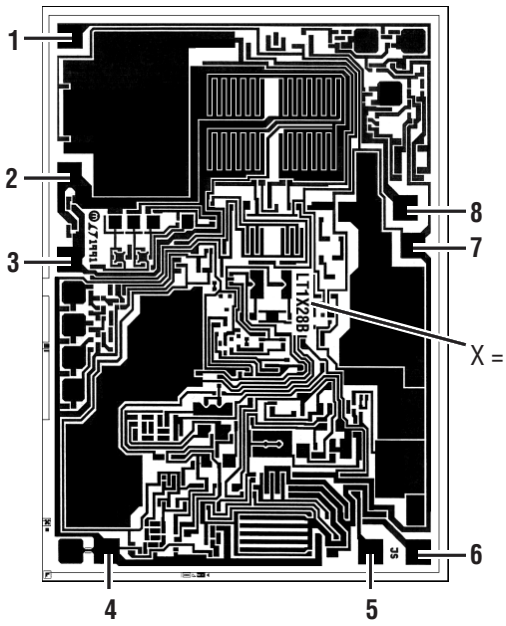
DICE/DWF SPECIFICATION

RH1028M/RH1128M
Ultralow Noise Precision High Speed Op Amps



X = 0 for LT1028B,
1 for LT1128B

114mils × 81mils,
Backside (substrate) metal: Alloyed gold layer
Backside potential: Connect to V^-

PAD FUNCTION

1. V_{OS} TRIM
2. –IN
3. +IN
4. V^-
5. OVER-COMP
6. OUT
7. V^+
8. V_{OS} TRIM

DIE CROSS REFERENCE

LTC Finished Part Number	Order Part Number
RH1028MW RH1028MW	RH1028 DICE RH1028 DWF*
RH1128MW RH1128MW	RH1128 DICE RH1128 DWF*

Please refer to LTC standard product data sheet for other applicable product information.
***DWF = DICE in wafer form.**

DICE/DWF ELECTRICAL TEST LIMITS

V_S = ±15V, T_A = 25°C, V_{CM} = 0V, unless otherwise noted.

SYMBOL	PARAMETER	CONDITIONS	MIN	MAX	UNITS
V_{OS}	Input Offset Voltage (Note 1)			300	µV
I_{OS}	Input Offset Current	V_{CM} = 0V		150	nA
I_B	Input Bias Current	V_{CM} = 0V		±400	nA
V_{IN}	Input Voltage Range		±11		V
CMRR	Common Mode Rejection Ratio	V_{CM} = ±11V V_{CM} = ±10.3V	110		dB
PSRR	Power Supply Rejection Ratio	V_S = ±4V to ±16V V_S = ±4.5V to ±16V	110		dB
A_{VOL}	Large Scale Voltage Gain	R_L ≥ 2k, V_O = ±10V R_L ≥ 1k, V_O = ±10V R_L ≥ 600Ω, V_O = ±10V	5 3.5 2		V/µV V/µV V/µV
V_{OUT}	Maximum Output Voltage Swing	R_L ≥ 2k R_L ≥ 600Ω	±12 ±10.5		V V

DICE/DWF ELECTRICAL TEST LIMITS

V_S = ±15V, T_A = 25°C, V_{CM} = 0V, unless otherwise noted.

SYMBOL	PARAMETER	CONDITIONS	MIN	MAX	UNITS
SR	Slew Rate	A_{VCL} = –1 (RH1028) A_{VCL} = –1 (RH1128)	11 4.5		V/µs V/µs
I_S	Supply Current			10.5	mA

Note 1: Input offset voltage measurements are performed by automatic test equipment approximately 0.5 seconds after application of power.

Wafer level testing is performed per the indicated specifications for dice. Considerable differences in performance can often be observed for dice versus packaged units due to the influences of packaging and assembly on certain devices and/or parameters. Please consult factory for more information on dice performance and lot qualifications via lot sampling test procedures.

Dice data sheet subject to change. Please consult factory for current revision in production.

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Linear Technology Corporation
1630 McCarthy Blvd., Milpitas, CA 95035-7417
(408) 432-1900 • FAX: (408) 434-0507 • www.linear.com

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