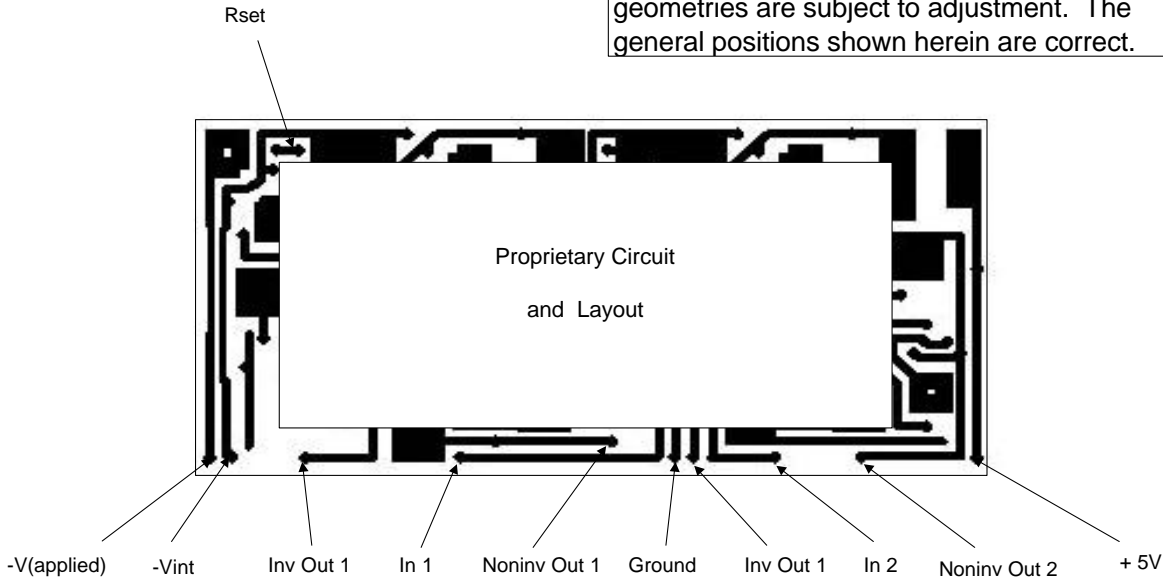


Note : This layout is under ECO and contact geometries are subject to adjustment. The general positions shown herein are correct.



GX203BS

Two Channel Extremely Fast Driver for GaAs MMIC Switching, TTL Compatible

Substrate size : .235 by .475 inch

Overall Height : .060 max

Notes :

- 1) Inputs are compatible with 5V TTL logic families.
- 2) With logic hi applied, inverting output switches to negative output state and noninverting output switches to near zero volts. Outputs reverse states for logic low input.
- 3) Switching speed is 5 to 8 nsec. Minimum pulsewidth is 30 nsec.
- 4) Outputs are low output impedance during switching.
- 5) -Vapplied can be in the range of -5 to -12 Volts (A Code) or -5 to -15 Volts (B Code). Connect Rset, in the range of 220 ohms to 4.7K typical, between Rset pin and -Vapplied to set output negative amplitude for optimal GaAs switching voltage. If negative supply is -5V, connect directly to -Vinternal.
- 6) Backside is bare Alumina.

<p>Tolerances Except as Noted .x = +/- .05 .xx = +/- .01 .xxx = +/- .005 Dimensions in inches</p>	Revisions				<u>Impellimax</u>		
					OUTLINE		
							Sheet 1 of 1
<p>Information herein is believed accurate. Suitability not guaranteed.</p>					Drawn By:	Date:	<p style="text-align: right;">Drawing # GX2-52</p>
					P.C.	2/09/00	
				DRF:	432	Approved:	P.C.