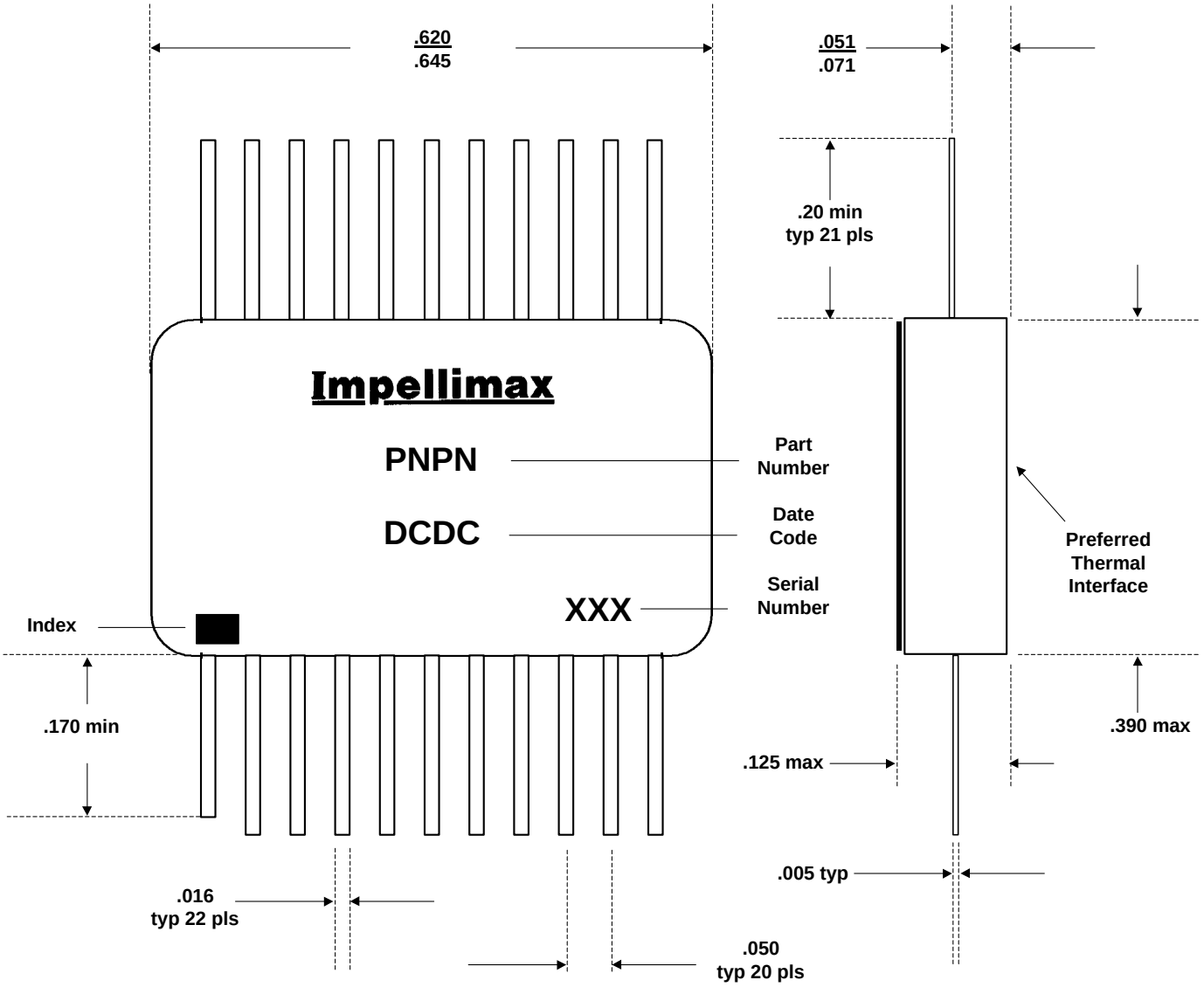

Package Code 4

Tolerances Except as Noted .x = +/- .05 .xx = +/- .01 .xxx = +/- .005 Dimensions in inches	Revisions				Impellimax			
	Rev	Number	Date	By	OUTLINE			
	A	ECO 2103	11/29/00	P.C.				
					Drawn By: RWW		Date: 11/29/00	Sheet 1 of 2
Information herein is believed accurate. Suitability not guaranteed.					DRF: 499	Date: 8/24/00	Approved: PC	Drawing # 9718-50

PIN	CONNECTION	PIN	CONNECTION
1	Test Point 1	22	VEE (-5V to -15V)
2	Output 1	21	NC
3	NC	20	NC
4	Input 1	19	NC
5	Ground	18	NC
6	Mode 1	17	NC
7	Mode 2	16	NC
8	Input 2	15	NC
9	NC	14	NC
10	Output 2	13	NC
11	Test Point 2	12	VCC (+5V +/- 0.5V)

Notes:

1) Reverse Voltage Protection.
2) Regular outputs provide 10 nsec maximum (6 nsec typical) turn on time and 12 nsec maximum (8 nsec typical) turn off time into resistive loads.
3) Testpoint switching speed is 40 nsec typical (positive-going) and 50 nsec typical (negative-going) when driving short-lifetime RF diodes in shunt configuration.
4) Regular outputs provide +10mA/-35mA output current into antiparallel diode loads.
5) When using 1N4148 diode grounded cathode loads at two testpoints simultaneously, positive current output is to be 110mA / +/-15mA. Forward voltage drop of diodes to be .93V +/- .03V.
6) Regular outputs are useful for pulse repetition rates to 20 MHz when using short lifetime diodes, with +/-5V supply voltages.
7) Testpoints are useful for pulse repetition rates to 2 MHz (5 MHz typical) when using short lifetime diodes. Testpoints are capable of providing 200 nsec positive pulses at a 20% Duty cycle.
8) Inputs are inverting when mode control is held low (0V) and non-inverting when mode control is held high (+5V).
9) Regular outputs have internal spiking capacitors to provide large current spikes during the time that the driver is switching states.

Tolerances Except as Noted
.x = +/- .05
.xx = +/- .01
.xxx = +/- .005
Dimensions in inches

Information herein is believed accurate. Suitability not guaranteed.

Revisions

Rev	Number	Date	By
A	ECO 2103	11/29/00	P.C.

Impellimax

OUTLINE

Drawn By:		Date:	Sheet 2 of 2
RWW		11/29/00	
DRF:	Date:	Approved:	Drawing #
499	8/24/00	P.C.	9718-50