ArduGauge PCB V1 12/11/2022 Designed By Daniel Barker R4-7 VALUES DEPENDANT ON ANALOG SENSOR CHARACTERISTICS + 5 V R3 4k7 Regulation/Filter Circuit + 1 2 V RS DISC03 R6 DISC03 IC2 LD1117S50CTR J3 B8B-PH-SM4-TB_LFSN_ B8B-PH-SM4-TB VIN GROUND J4 CONN_SIL_5 PND VOUT_1 VOUT To CH4 Sender _ A3 MP2 A5 (SCL) To CH3 Sender __ A2 MP1 C3 330uF A4 (SDA) — C5 — 100nF To CH2 Sender A1 To CH1 Sender A0 GND Button Input S1 Reset +12V Vin Filt J2 B8B-PH-SM4-TB_LFSN_ B8B-PH-SM4-TB GND IC1 ATMEGA328P-AU D13 (SCK) D12 (MISO) MP1 D11 (MOSI) _ D102 A5 (SCL) A4 (SDA) PD3 [PCINT19] PC1 [PCINT9] _ D4 23 J1 S8B-PH-SM4-TB_LFSN_ S8BPHSM4TBLFSN PD4 [PCINT20] PCØ [PCINT8] 22 VCC_1 GND_3 GND_2 AREF MP2 GND7 VCC_2 ADC6 MP1 18 D11 (MOSI) DIN6 AVCC D13 (SCK) 17 D13 (SCK) PB7 [PCINT7] PB5 [PCINT5] Y1 16MHz CS 4 To LCD DC 3 D7 RST2 D6 BL 1 GND