

ARMABOT

Avalanche LIDAR

P/N A0072

Installation Instructions

Use this position for chaining multiple sensors together. First or single lidar will use this break out board for interfacing to the RoboRio.

Use extra positions for getting GPIO and/or XSHUT from chained sensors back to RoboRio if desired.

Ribbon cable must enter both break out boards from the same direction/orientation.

Remove protective film if present.

Install 4 screws, fully seated, do not over torque.

Fully tighten after installed and sighted in desired location to lock rotation in place.

For .065 or thinner material use supplied nuts. For .090 or thicker material tap for 10-32.

VDD (2.8V out)- OPTIONAL

VIN (2.6-5.5V in)(TO ROBORIO I2C or MXP PORT)

GND (TO ROBORIO I2C or MXP PORT)

SDA(TO ROBORIO I2C or MXP PORT)

SCL(TO ROBORIO I2C or MXP PORT)

XSHUT - OPTIONAL

GPIO1 - OPTIONAL

Software Code ID	
Long	VL53L1X
Medium	VL53L0X
Short	VL6180X

