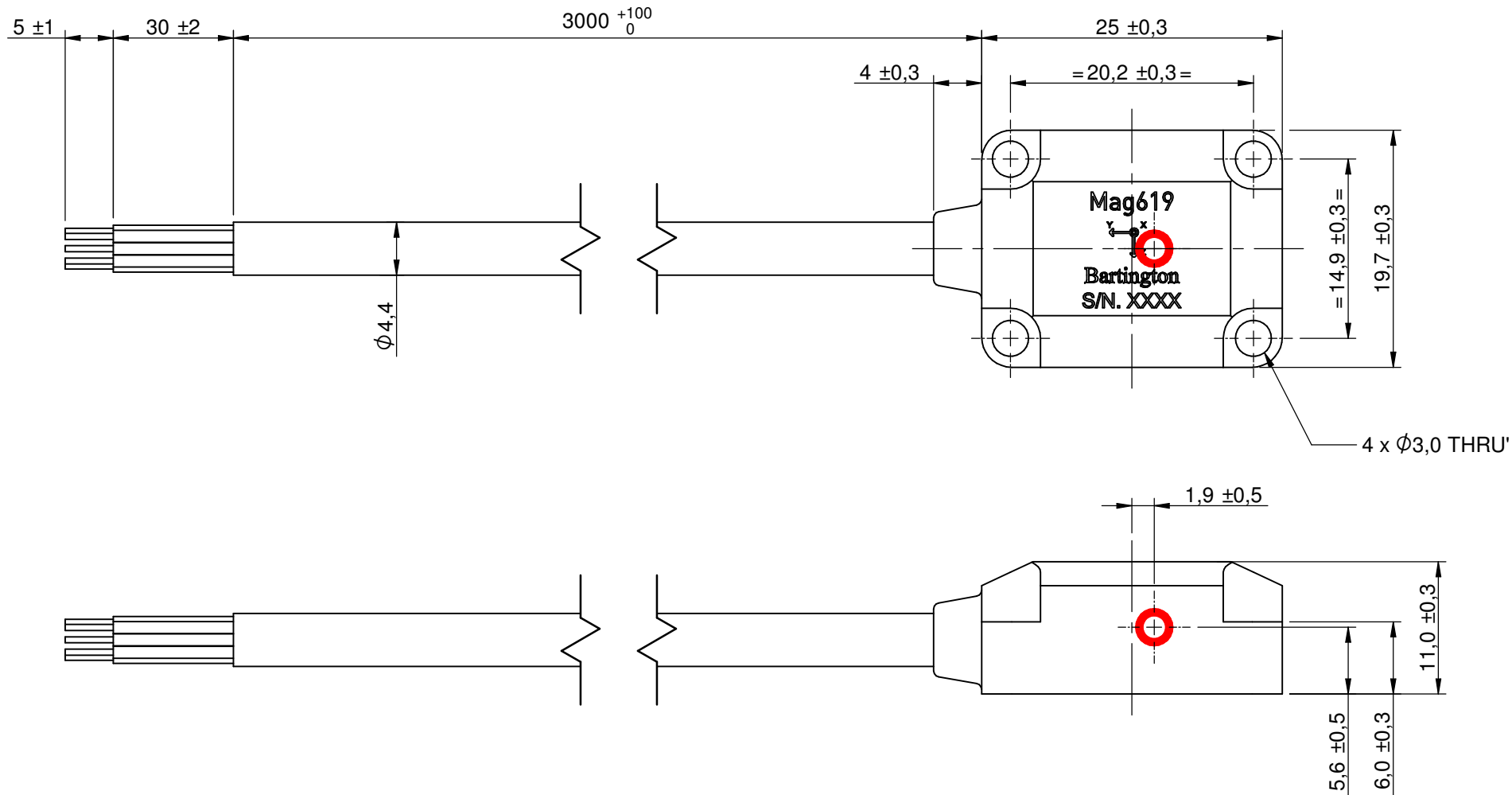
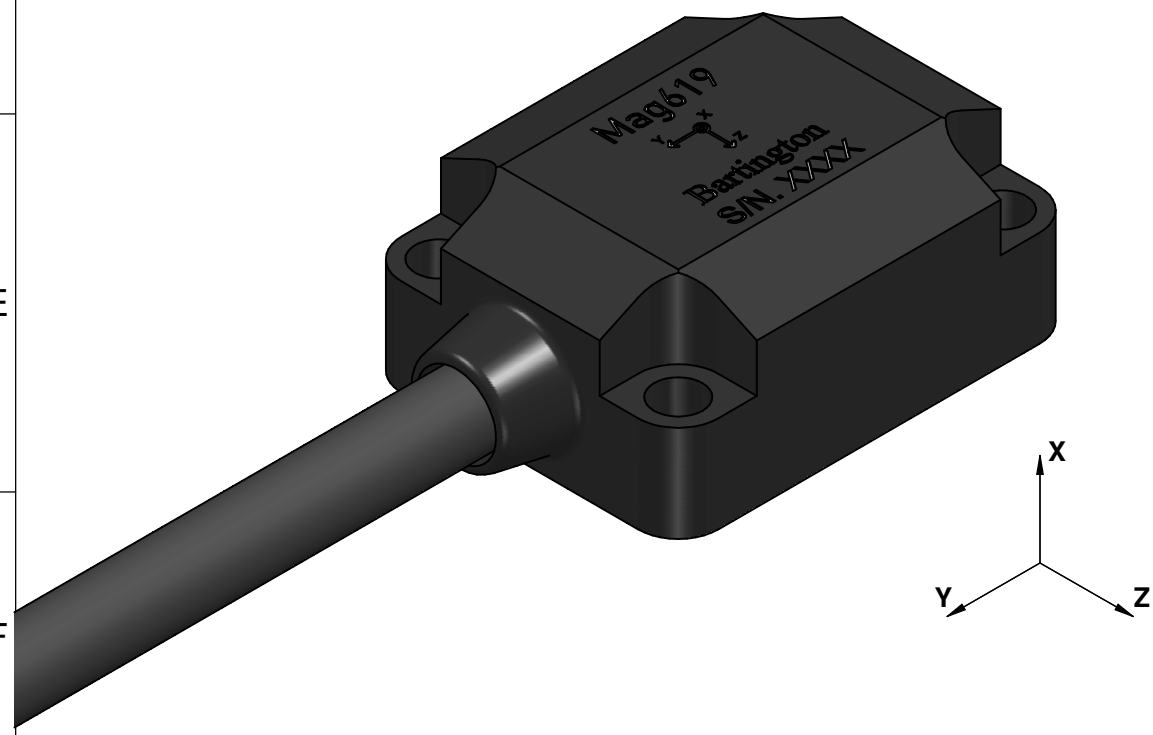


Mag619 Probe



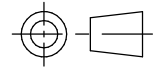
Function	Wire Colour
X Drive	Red
Y Drive	Orange
Z Drive	Yellow
EGND	Brown
X Sense	Blue
AGND X	Green
Y Sense	Violet
AGND Y	Black
Z Sense	Grey
AGND Z	White



 Centre of sensing elements



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Title	Mag619 Outline Drawing		Third Angle Projection 	Project D1805
	Revisions		Dimensions in mm	Size A3
Mag619 Probe enclosure and harness design updated.		Created by	Nicholas Avery	24/11/2016
		Modified by	Nicholas Avery	14/08/2018
		Approved by	Daniel Cetnik	14/08/2018
		Drawing No.	Issue	DCN No.
		DR3939	4	1712

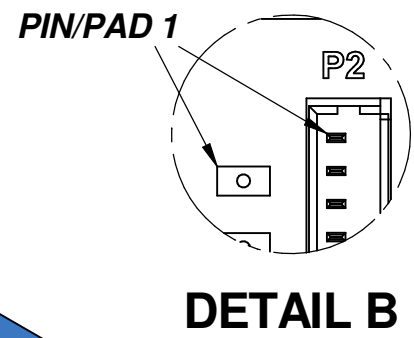
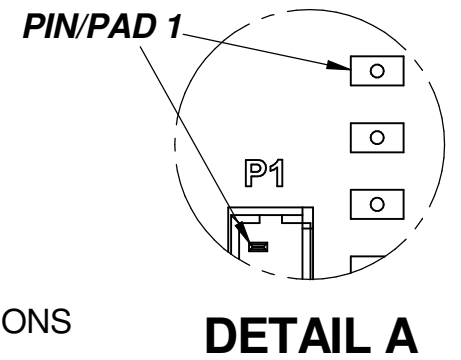
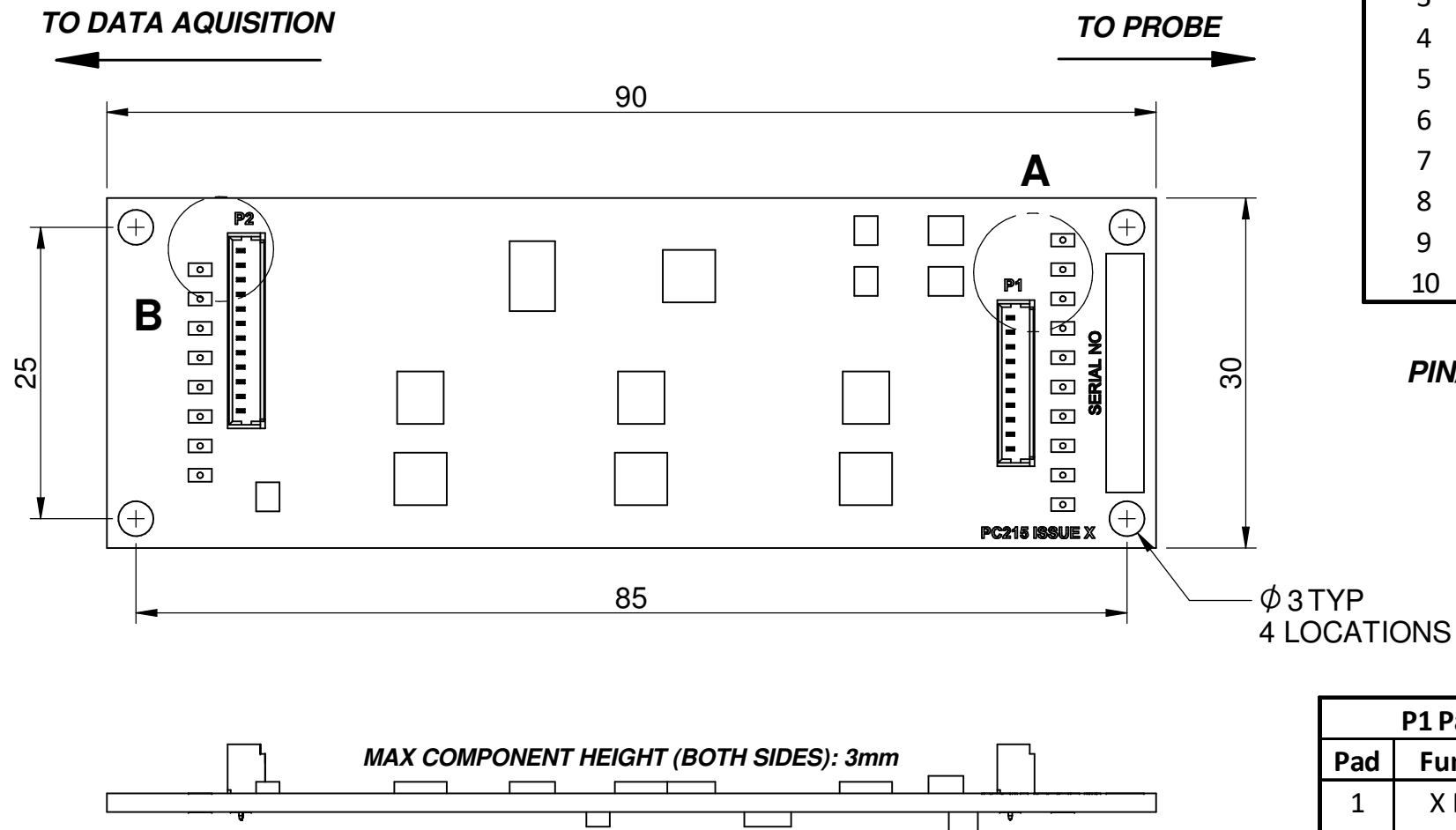
BI OUTLINE DRAFT A3 v9

Mag619U Electronics

Molex Picoblade 53047-1210 (P2)	
Pin	Function
1	CLK_IN
2	CLK_OUT
3	+Vin
4	-Vin
5	X Mag
6	Y Mag
7	Z Mag
8	AGND
9	AGND
10	N.C.
11	N.C.
12	AGND

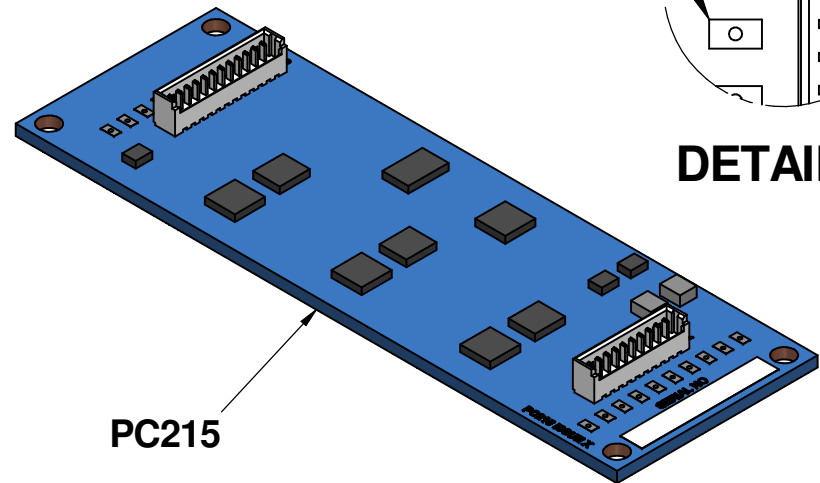
P2 Pads	
Pad	Function
1	+Vin
2	-Vin
3	X Mag
4	Y Mag
5	Z Mag
6	AGND
7	AGND
8	N.C.

Molex Picoblade 53047-1010 (P1)	
Pin	Function
1	X Drive
2	Y Drive
3	Z Drive
4	EGND
5	X Sense
6	AGND X
7	Y Sense
8	AGND Y
9	Z Sense
10	AGND Z



P1 Pads (To Mag619 Probe)		
Pad	Function	Probe Wire Colours
1	X Drive	Red
2	Y Drive	Orange
3	Z Drive	Yellow
4	EGND	Brown
5	X Sense	Blue
6	AGND X	Green
7	Y Sense	Violet
8	AGND Y	Black
9	Z Sense	Grey
10	ANGD Z	White

***NOTE: AGND X, Y & Z ARE LINKED BY R55 & R56 (ZERO Ω LINK).**



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Title	Mag619 Outline Drawing		Project	D1805
	Revisions		Third Angle Projection	Sheet 2/2
Mag619 Probe enclosure and harness design updated.		Dimensions in mm	Size A3	Created by
		Created by	Nicholas Avery	24/11/2016
		Modified by	Nicholas Avery	14/08/2018
		Approved by	Daniel Cetnik	14/08/2018
		Drawing No.	Issue	DCN No.
		DR3939	4	1712

BI/OUTLINE DRAFT A3 v9