

## LCLS2 HIGH RATE KICKER MAG ASSY



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Drawing No. : SA-375-164-01 R1  
Barcode # :4496

## Coordinate System Setup

### Spatial Alignment

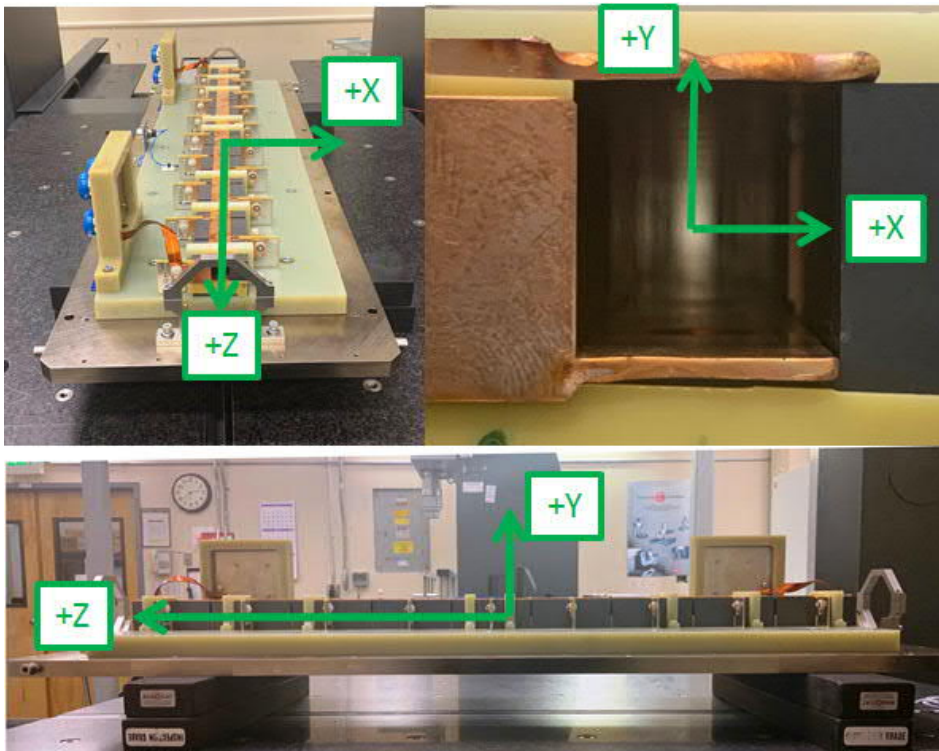
Symmetry Plane of the Outer Ferrite U-Core  
Sets Zero in X and sets Pitch/Yaw

### Planar Alignment

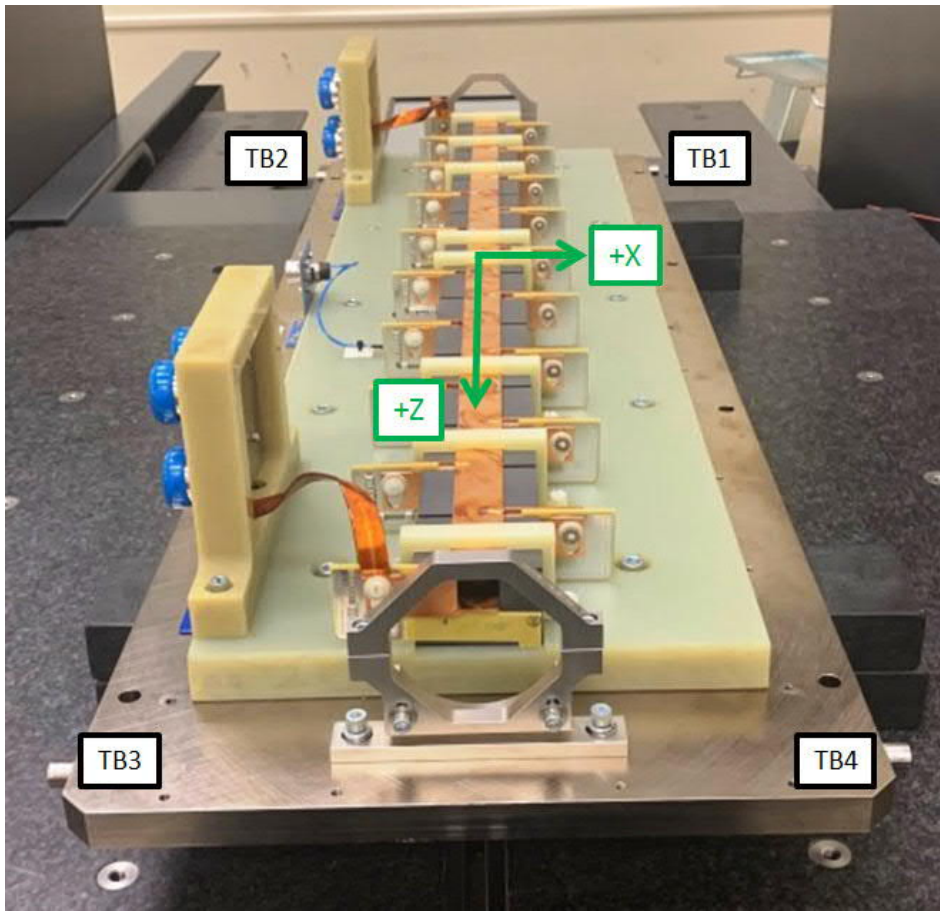
Symmetry Plane of inside Copper plate inside of Ferrite U-Core  
Sets Roll and Zero in Y

### Coordinate Origins

Origin in Z is the symmetry Plane of the end of the Upstream end of U-Core Ferrite  
(side with flexure holder sticking down from plate) and Downstream end of U-Core Ferrite.



## Tooling Ball Locations



Tooling Ball	X Coord.	Y Coord.	Z Coord.
TB 1	8.4934	-2.5318	-20.5438
TB 2	-8.5125	-2.5477	-20.5463
TB 3	-8.4929	-2.5477	20.4661
TB 4	8.5127	-2.5008	20.4355
TB A	7.8052	-2.5320	-20.5453
TB B	-7.8259	-2.5354	-20.5426
TB C	-7.8053	-2.5400	20.4613
TB D	7.8254	-2.5095	20.4419

Tooling Ball Locations (1-4) are 1 inch above Tooling Ball Adapter Plane  
 Tooling Ball Locations (A-D) are 5/16 inch above Tooling Ball Adapter Plane  
 Dimensions in Inch