

## LCLS2 HIGH RATE KICKER MAG ASSY



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Drawing No. : SA-375-164-01 R1  
Barcode # :4498

## Coordinate System Setup

### Spatial Alignment

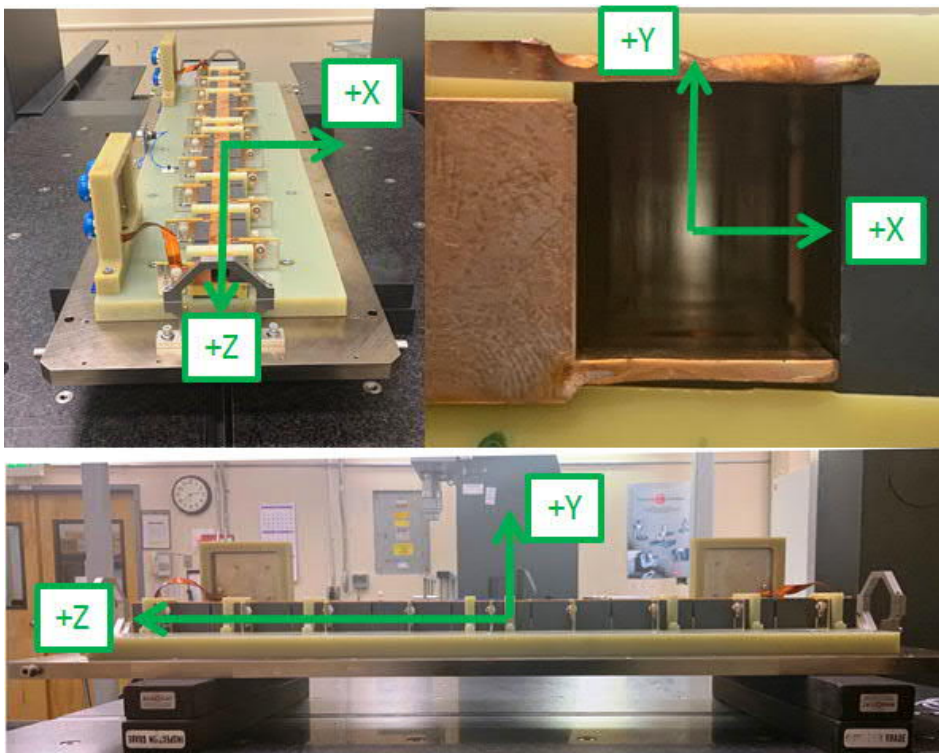
Symmetry Plane of the Outer Ferrite U-Core  
Sets Zero in X and sets Pitch/Yaw

### Planar Alignment

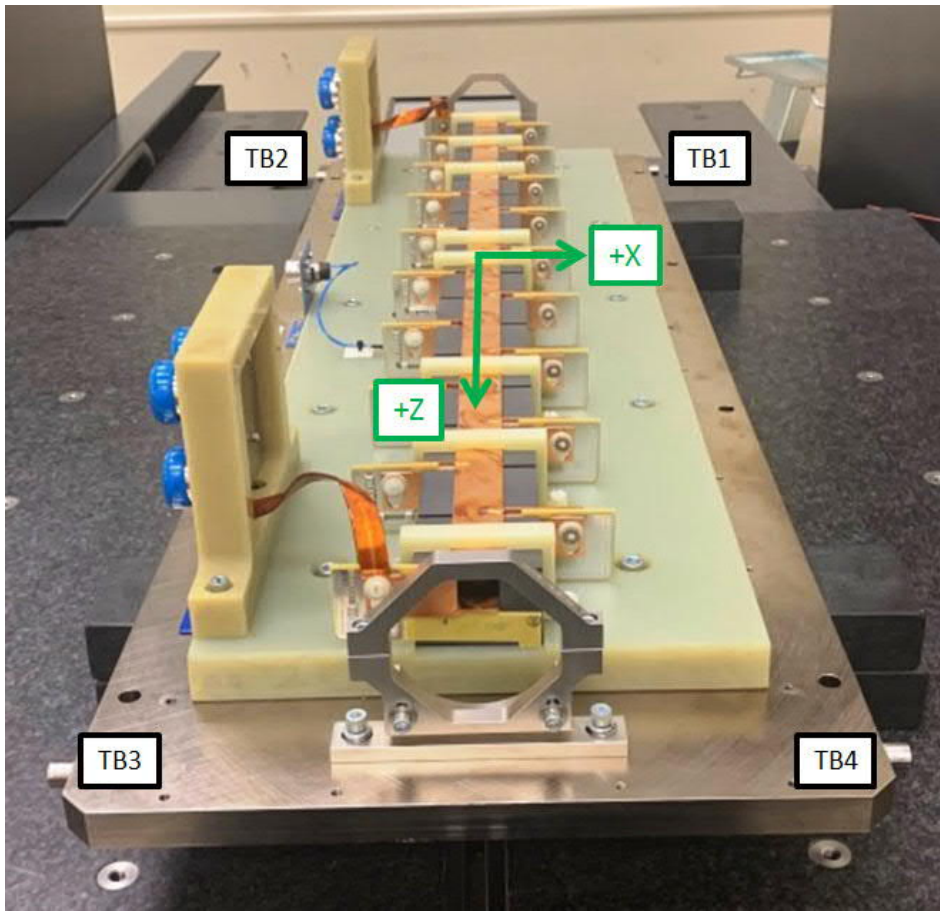
Symmetry Plane of inside Copper plate inside of Ferrite U-Core  
Sets Roll and Zero in Y

### 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	8.5053	-2.5363	-20.5858
TB 2	-8.5072	-2.5487	-20.5863
TB 3	-8.4963	-2.5278	20.4193
TB 4	8.5142	-2.5412	20.4081
TB A	7.8171	-2.5343	-20.5828
TB B	-7.8187	-2.5403	-20.5832
TB C	-7.8091	-2.5257	20.4206
TB D	7.8272	-2.5387	20.4133

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