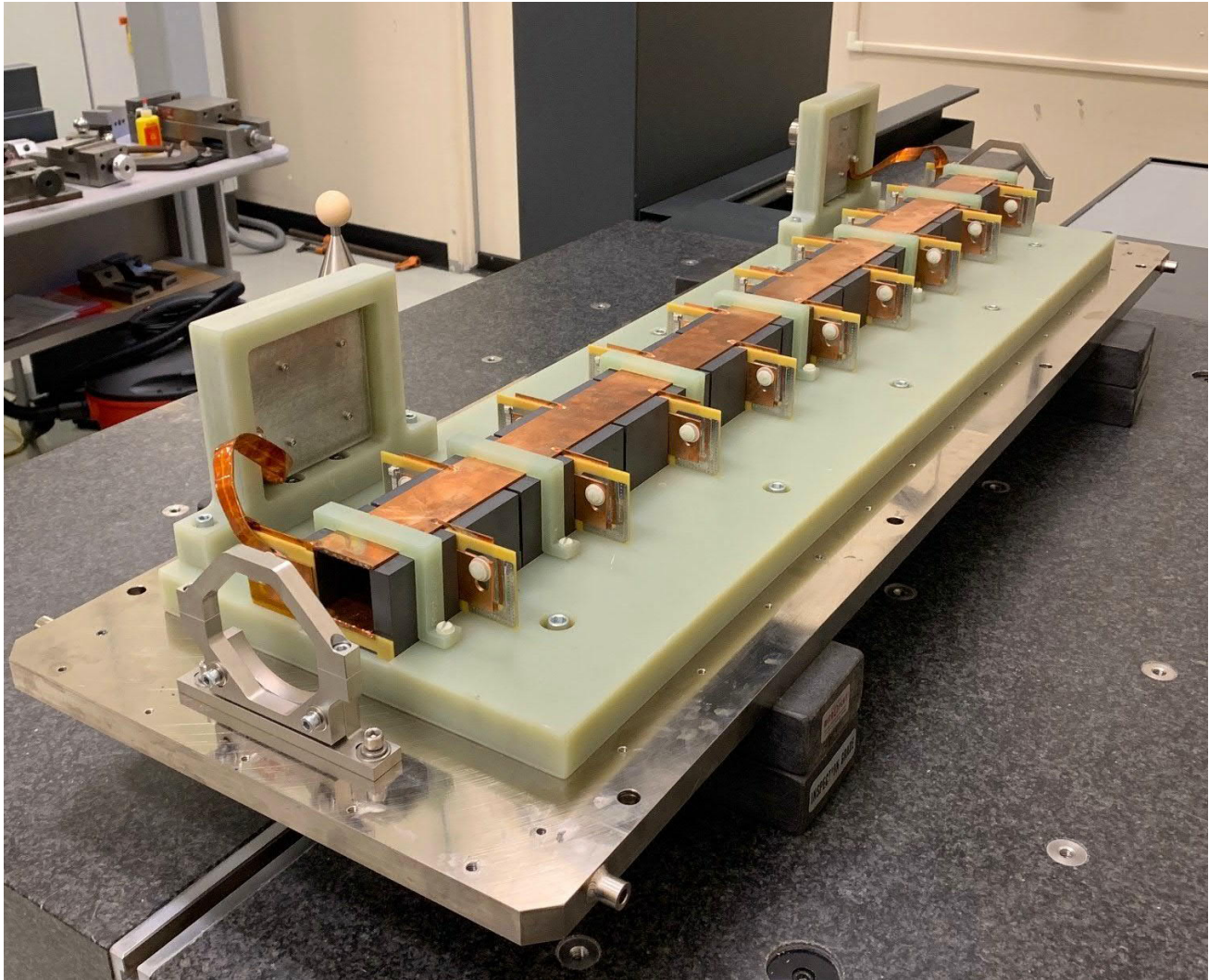


## LCLS2 DIAGO KICKER MAGNET ASSY



Inspector : K. Caban  
Engineer : T. Beukers  
Drawing No. : SA-375-165-01 R1  
Barcode # :4489

## Coordinate System Setup

### Spatial Alignment

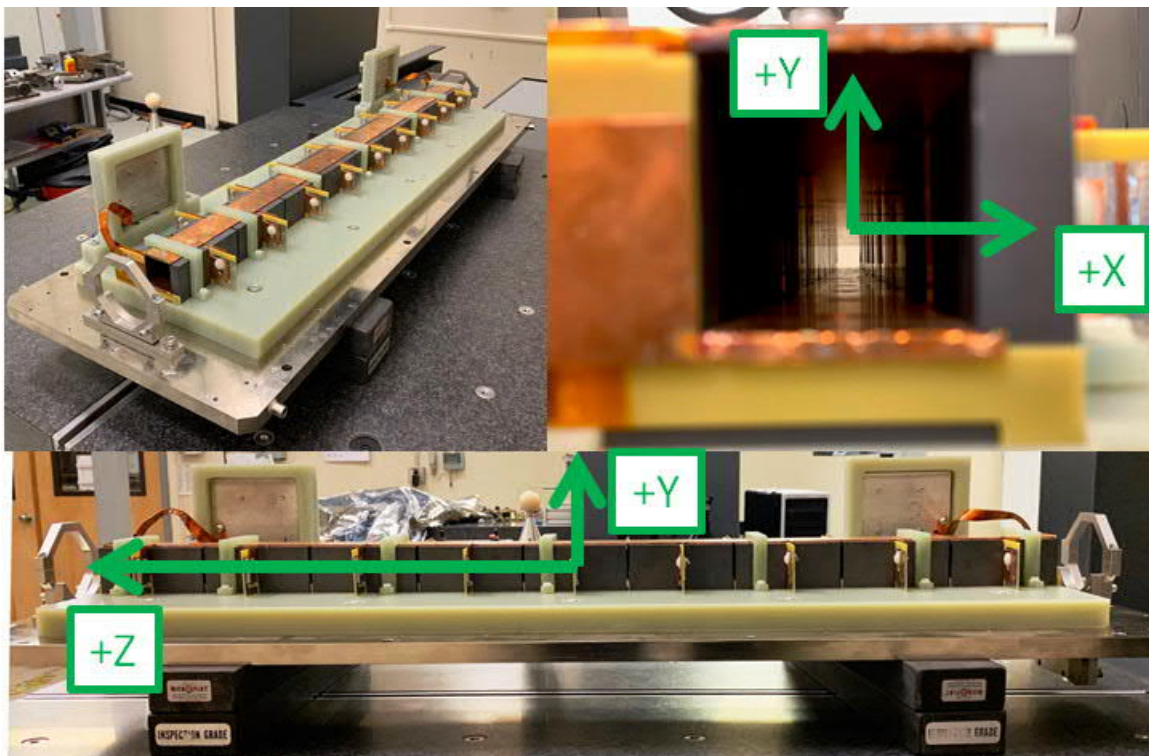
Symmetry Plane of the Outer Ferrite U-Core  
Sets Zero in X and sets Pitch/Yaw

### Planar Alignment

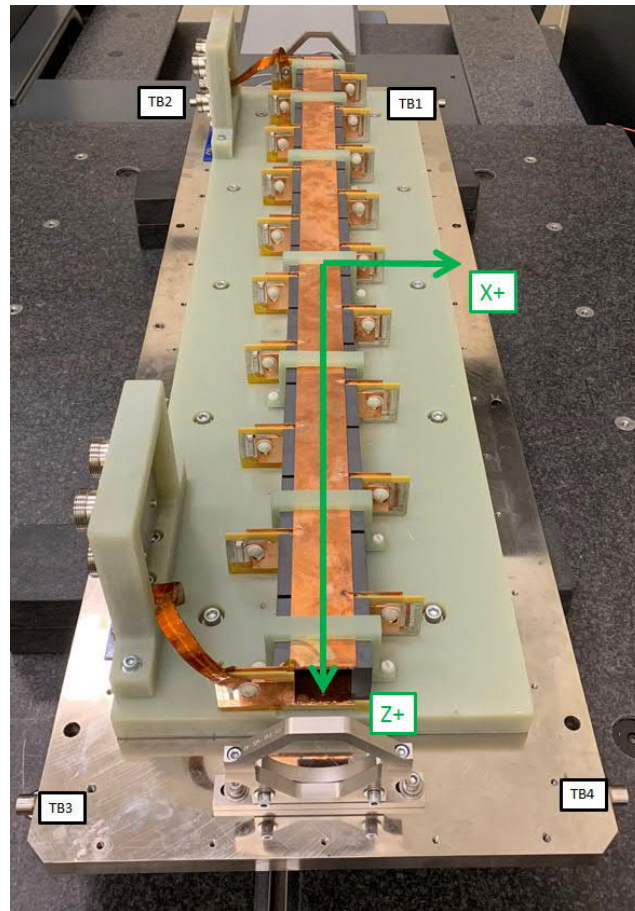
Symmetry Plane of inside Copper plate inside of Ferrite U-Core  
Sets Roll and Zero in Y

### 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	8.4891	-2.4957	-20.4684
TB 2	-8.5220	-2.5115	-20.4565
TB 3	-8.4902	-2.5043	20.5603
TB 4	8.5173	-2.5224	20.5605
TB A	7.8017	-2.4955	-20.4620
TB B	-7.8348	-2.5077	-20.4532
TB C	-7.8022	-2.5073	20.5575
TB D	7.8296	-2.5175	20.5534

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