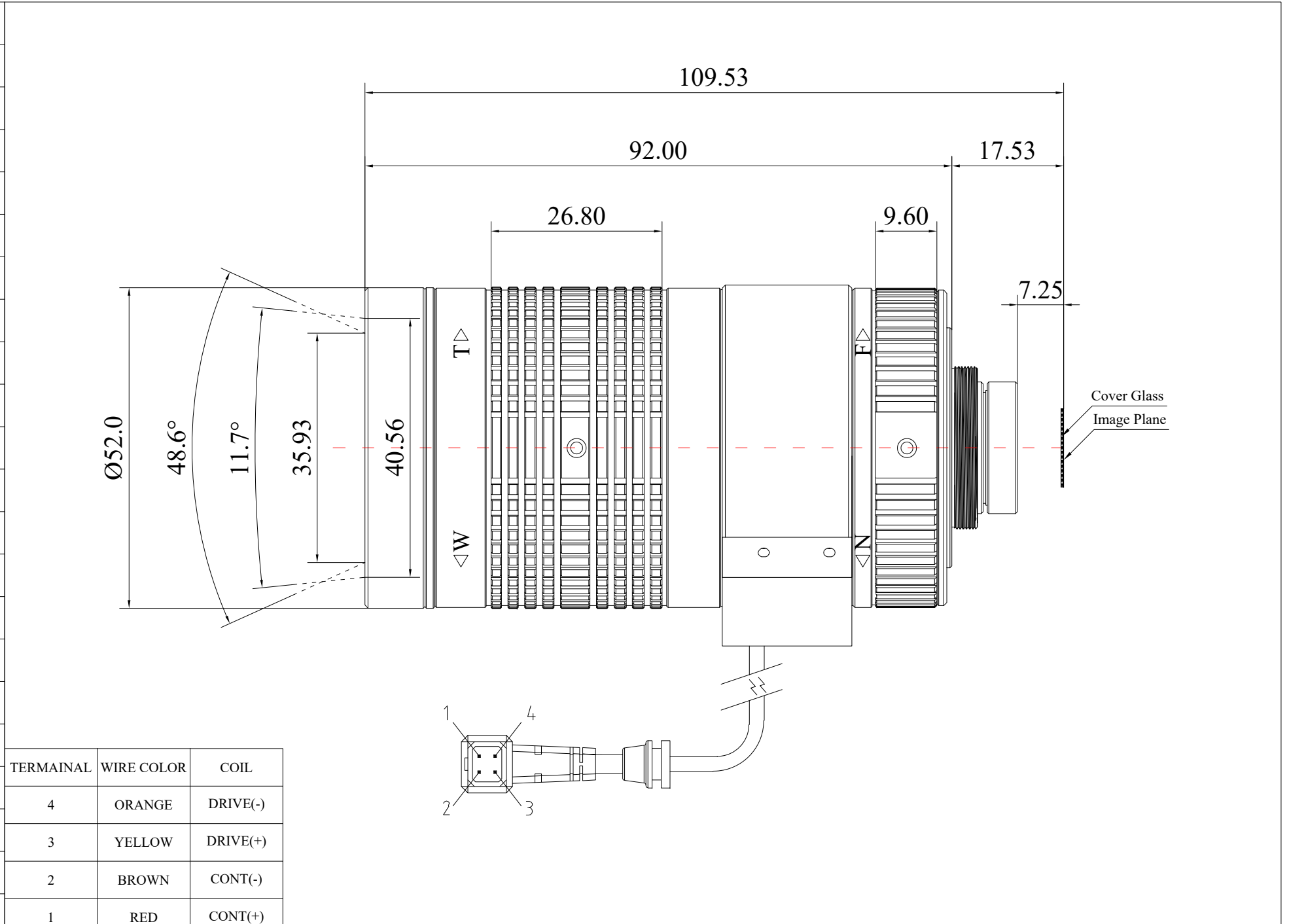


1	Type	Vari-Focal Lens			
2	Image Format	1/1.7"			
3	Image Circle	Ø9.8(Max)			
4	Optical EFL	10~50mm(In Air)			
5	Aperture	1.4 (W-T)			
6	Resolution	12MP			
7	System TTL	109.53mm			
8	For Sensor	16:9	W-T	1/1.7"	1/1.8"
9	F.O.V	H		41.8°~10.0°	38.6°~9.4°
10		V		23.3°~5.7°	21.4°~5.3°
11		D		48.6°~11.7°	44.8°~10.8°
12	C.R.A	6.98°(W)~4.64°(T)			
13	Illumination	50%(W)~40.2%(T)			
14	Distortion	-9.95%(W)~-1.29%(T)			
15	Optical BFL	---			
16	Mechanical BFL	7.25			
17	Dimension Figure	Ø52.00*92.0mm			
18	Mount Type	C			
19	IR Correction	Yes			
20	Element	---			
21	Wavelength	430-650&850			
22	M.O.D	0.5m(W)~1.5m(T)			
23	Weight	327g			
24	Iris Operation	Auto			
25	Zoom Operation	Manual			
26	Focus Operation	Manual			
27	Operating Temperature	-20° ~ +85°			
28	Storage Temperature	-20° ~+85°			



Technical drawing of the CH938BB lens assembly showing dimensions and a wiring diagram.

Dimensions:

- Total length: 109.53
- Distance from front to iris: 92.00
- Distance from iris to image plane: 17.53
- Distance from front to sensor: 26.80
- Distance from front to cover glass: 9.60
- Mechanical BFL: 7.25
- Front diameter: Ø52.0
- Front focal angle: 48.6°
- Front focal distance: 11.7
- Front focal length: 35.93
- Front focal radius: 40.56

Wiring Diagram:

TERMAINAL	WIRE COLOR	COIL
4	ORANGE	DRIVE(-)
3	YELLOW	DRIVE(+)
2	BROWN	CONT(-)
1	RED	CONT(+)

Scale	Remark	Tolerances	Date	Revised	
4:1	X	±0.2	2022-01-10	CH938BB Rev1.0	
	X.0	±0.15			
Units	X.00	±0.10	Design	Linda	2019-05-26
	X.000	±0.001	Checked	Anna	2019-07-20
mm	Angle	±0.5°	Approval	Sanmu	2019-07-20

3D Angle Projection