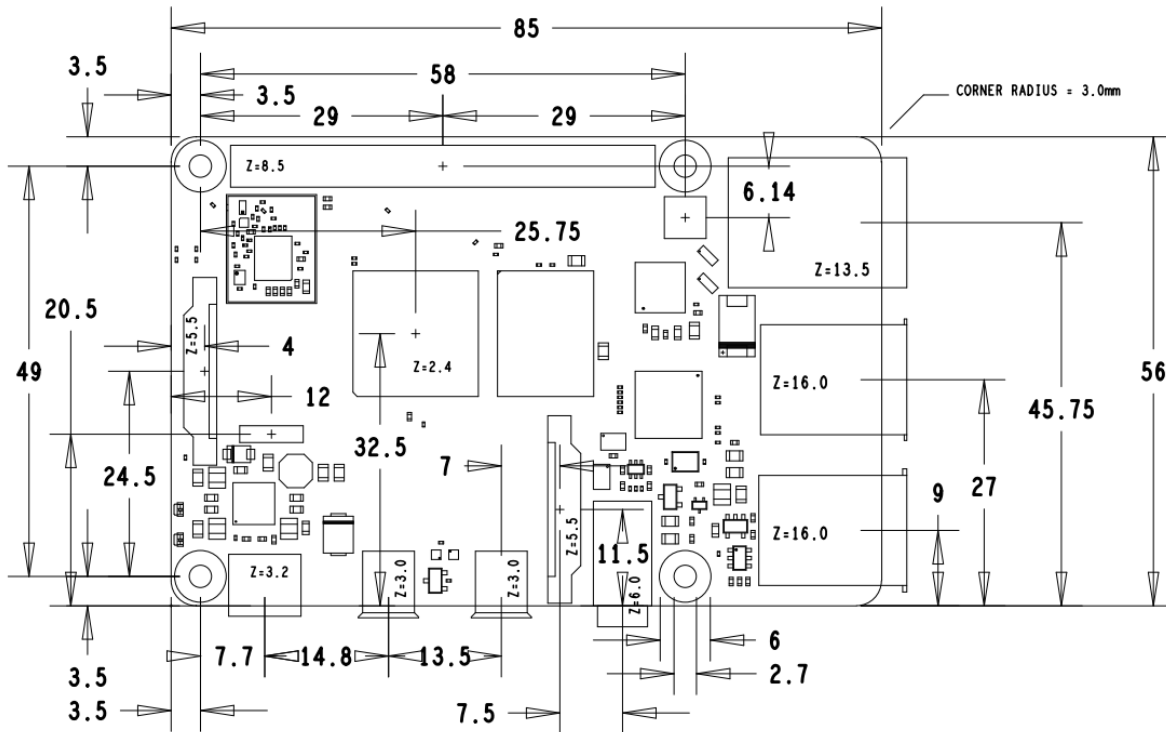


TFE Mechanical Schematics

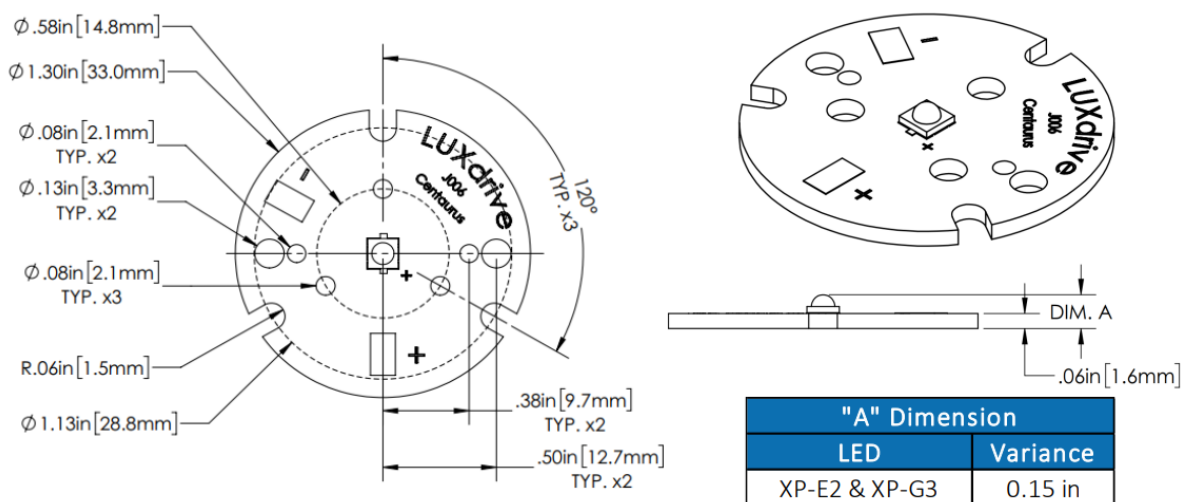
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RPi4mB



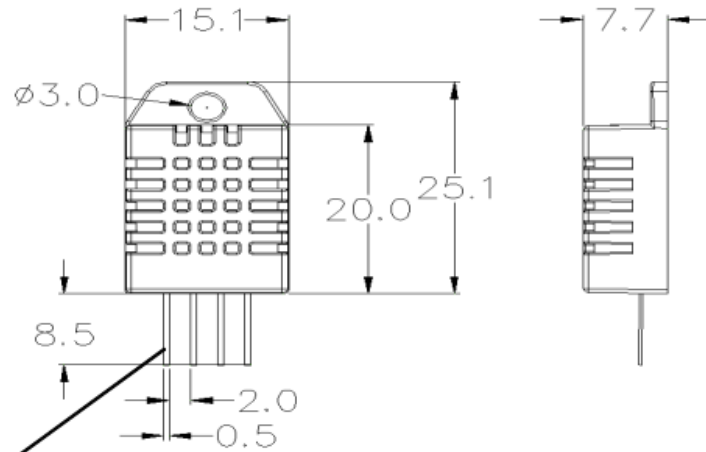
Centaurus J006 (LED Module)



"A" Dimension	
LED	Variance
XP-E2 & XP-G3	0.15 in

DHT-22

4. Dimensions: (unit---mm)



Pin sequence number: 1 2 3 4 (from left to right direction).

Pin	Function
1	VDD---power supply
2	DATA--signal
3	NULL
4	GND

AVT Prosilica GC-1290 (Camera)

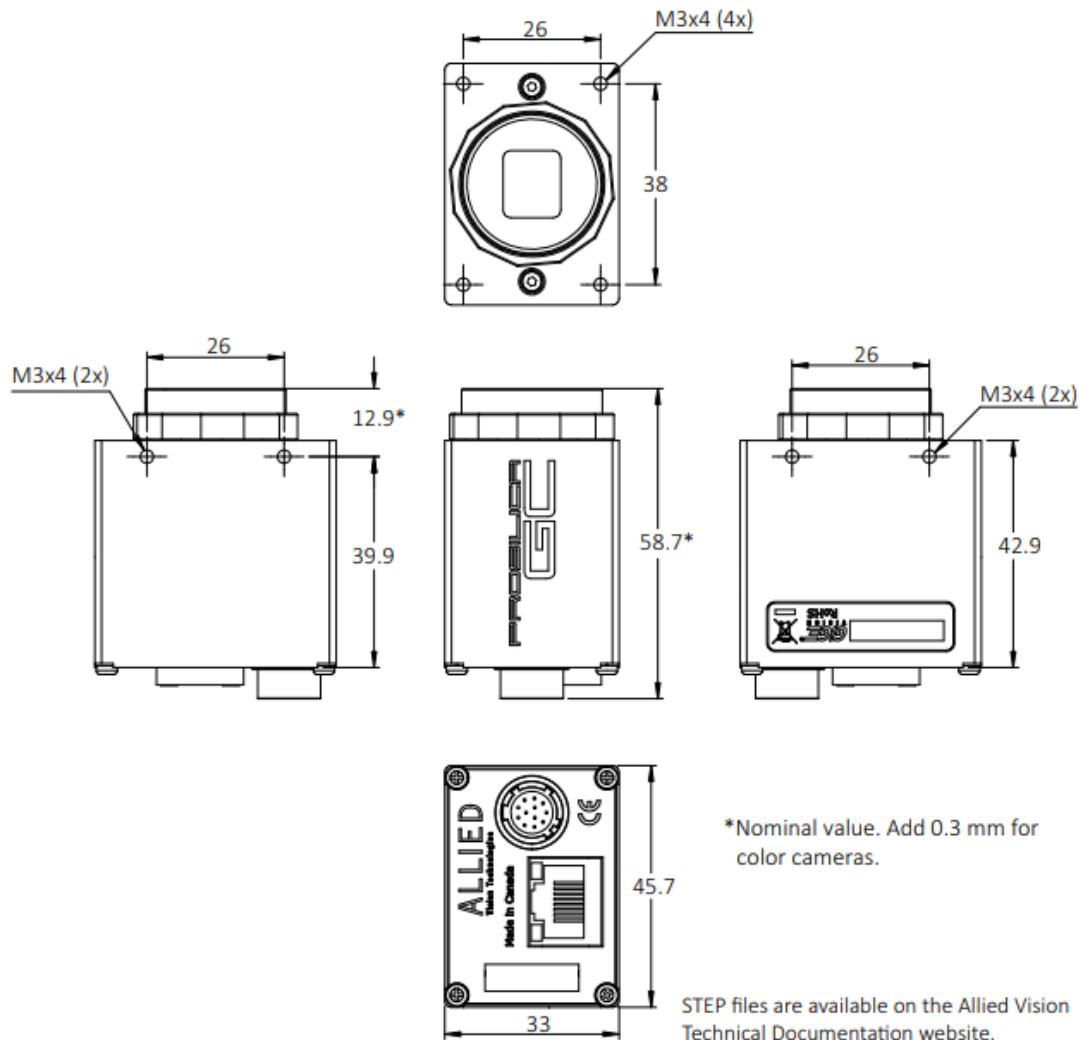
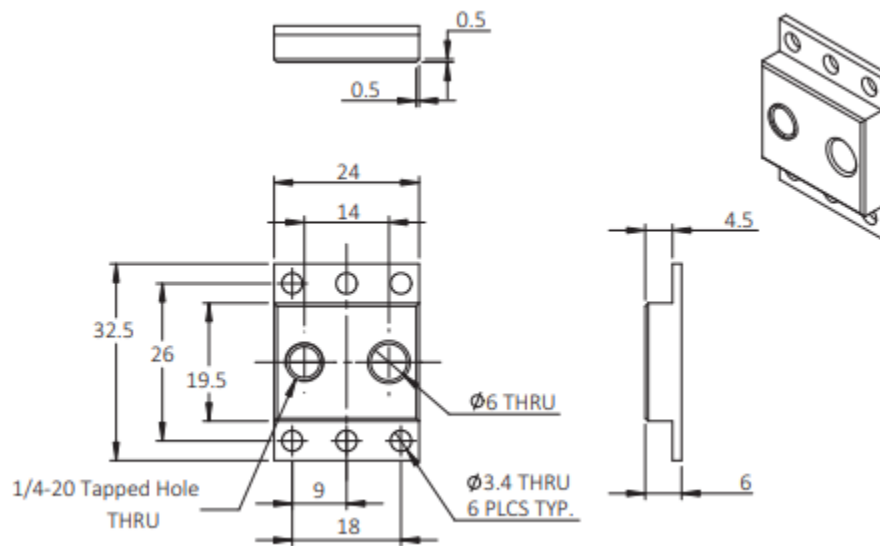
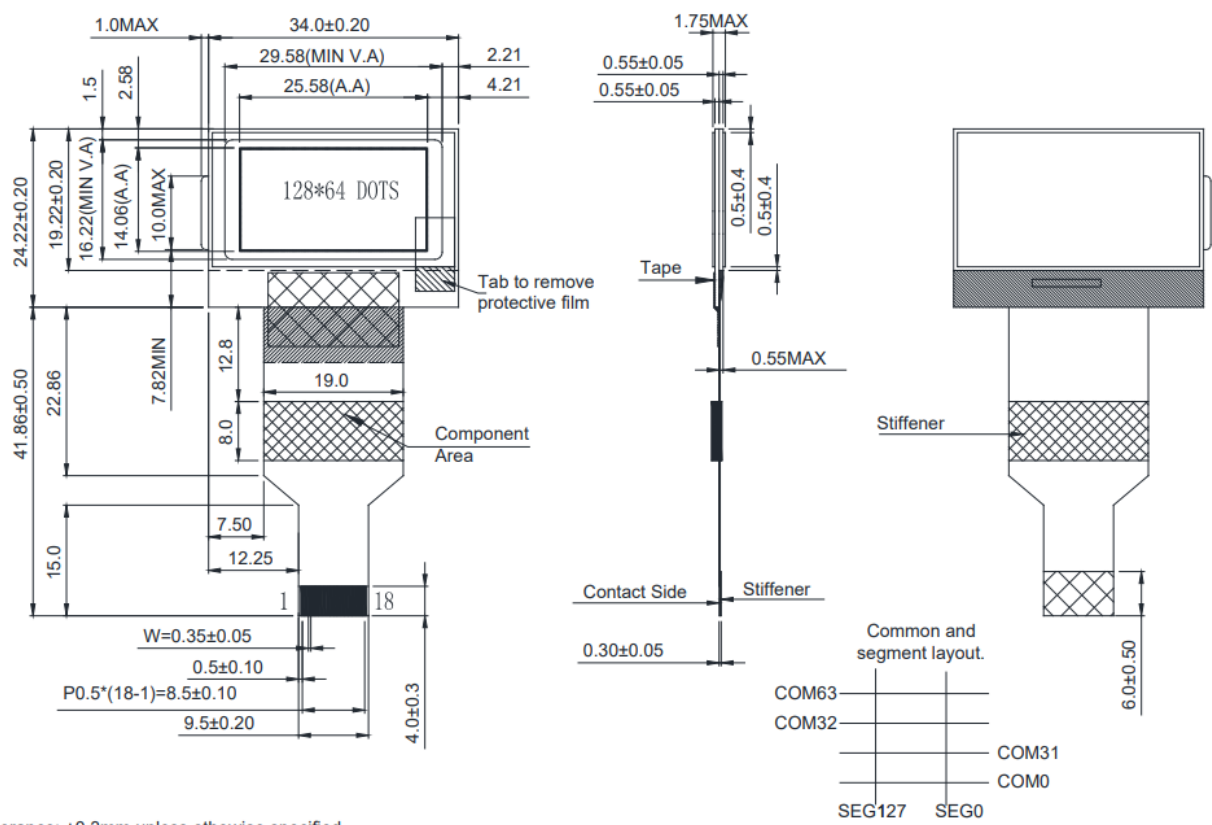


Figure 21: Prosilica GC model housing dimensions

Tripod: Allied Vision 02-5002A

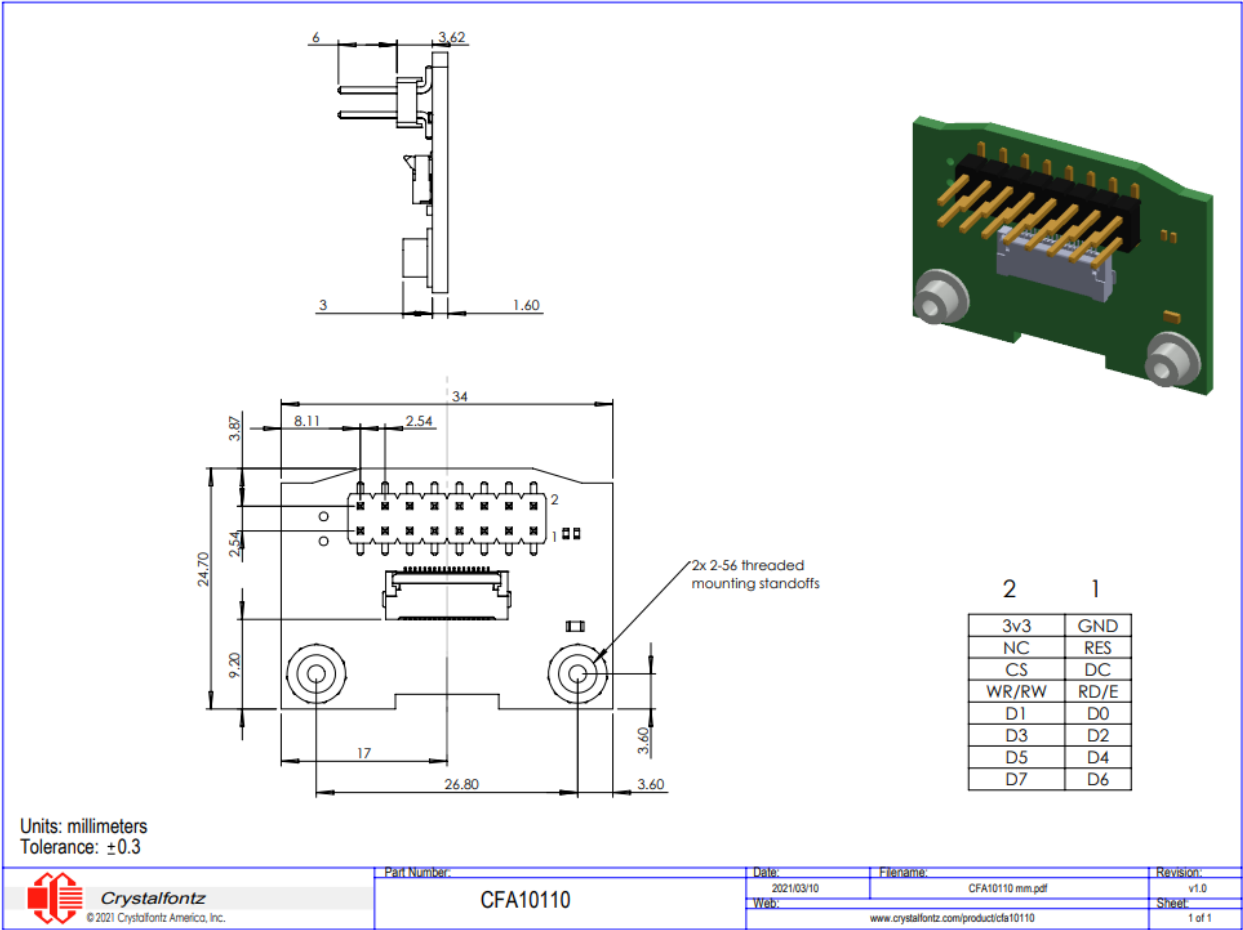


LCD



Tolerance: $\pm 0.3 \text{ mm}$ unless otherwise specified.

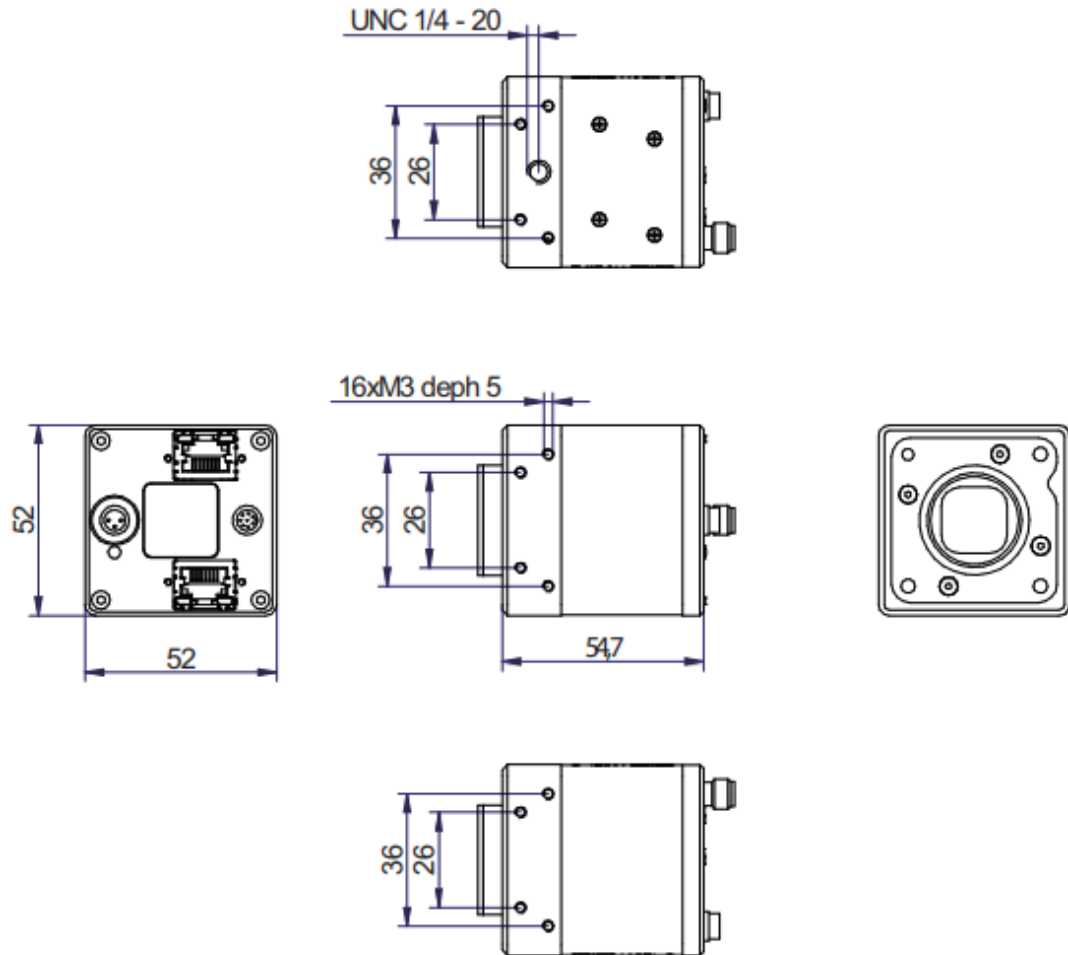
LCD Breakout Board



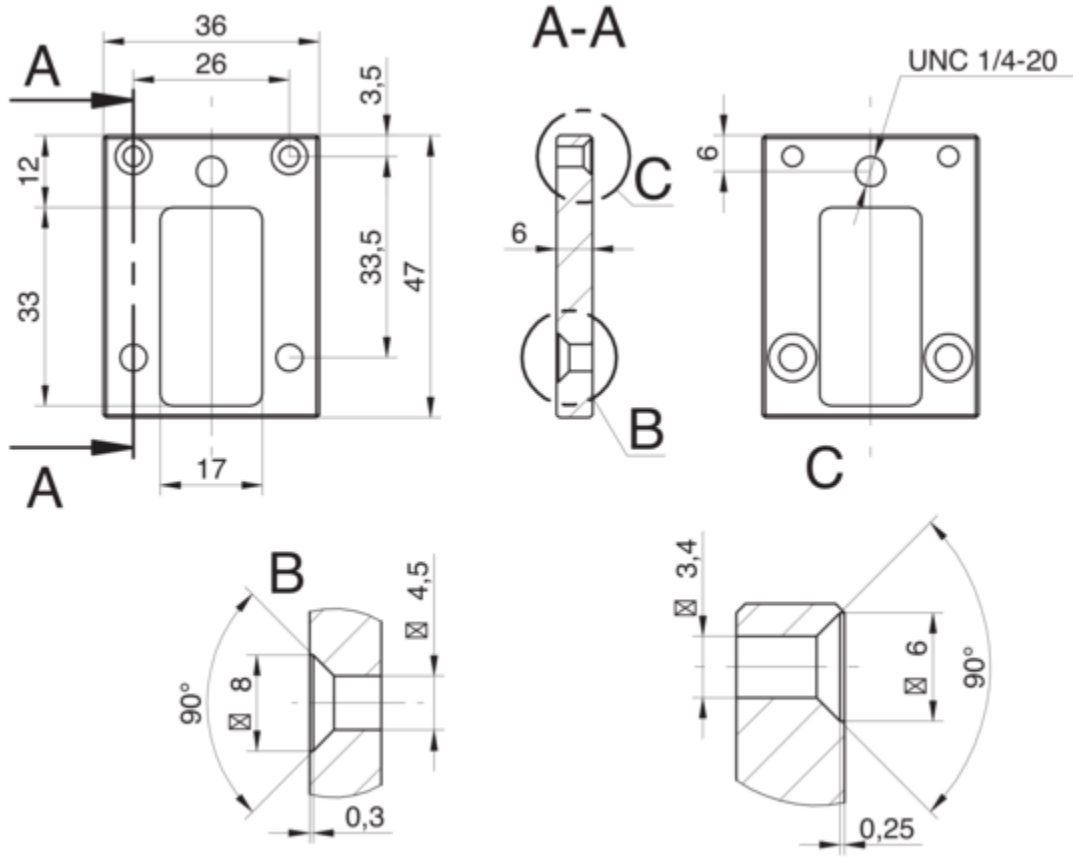
 CrystalFontz © 2021 CrystalFontz America, Inc.	Part Number:	Date:	Filename:	Revision:
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		Web:	www.crystalfontz.com/product/cfa10110	Sheet

Baumer HXG20NIR (ASML's Camera)

Dimensions



Baumer Tripod



Missing:

- **PCB Dimensions**
- **Camera working distance**

Considerations:

- **How will we prop up the LEDs and LCD?**
- **Looking for very specific universal L brackets...**
-