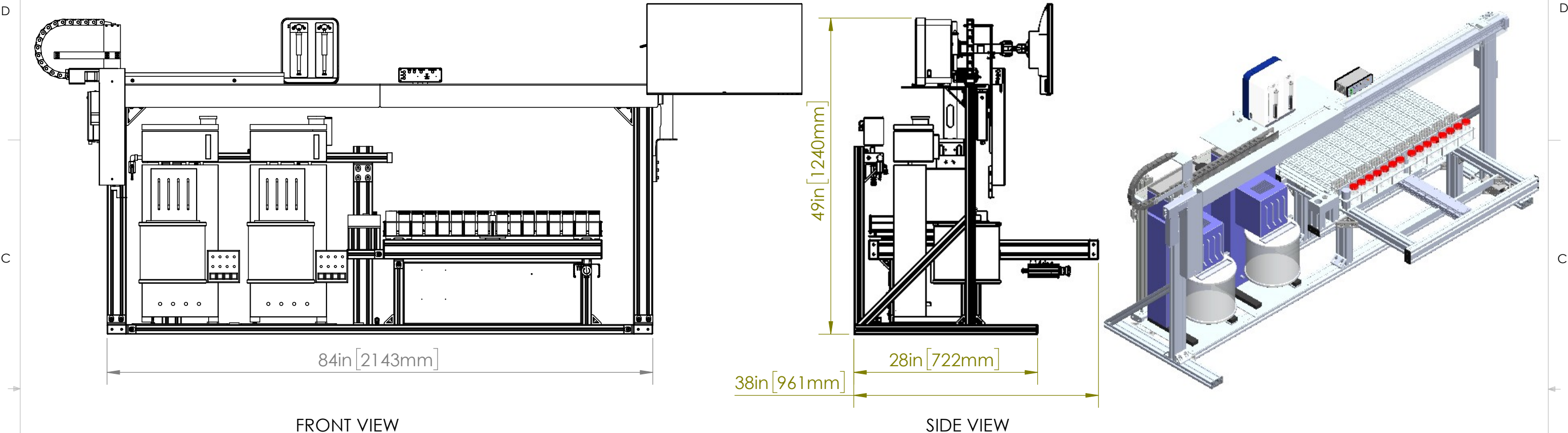


HOUILLON VISCOMETER AUTOMATION SYSTEM (TWIN BATH SYSTEM) - HVA-2
GENERAL ARRANGEMENT DRAWING



APPROX. INSTRUMENT WEIGHT: 500 lbs
(WEIGHT DOES NOT INCLUDE VISCOMETER BATHS)



HVA-1 - SHIPMENT NOTES*

PACKAGED DIMENSION: TBC
PACKAGED WEIGHT: TBC

ACCESS: REMOVABLE TOP COVER & FRONT WALL
CONSTRUCTION: HEAT TREATED WOOD

* ACTUAL CRATE/PACKAGING DETAILS MAY VARY.
SHOWN FOR ILLUSTRATION & INFORMATION PURPOSES ONLY


HVA-2 - INFORMATION

INPUT POWER: 48VDC- 4A

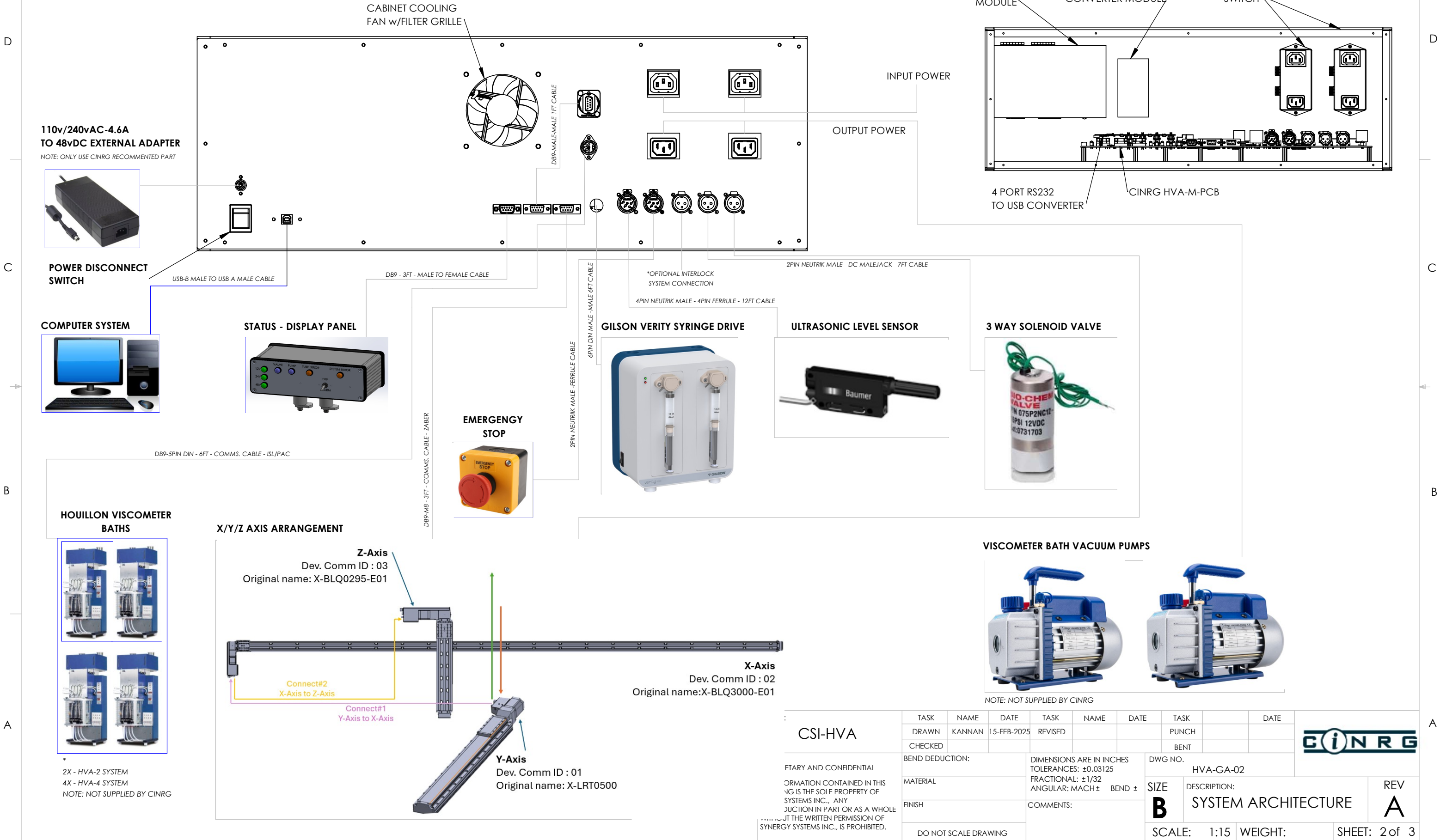
- FOLLOWING ARE SHIPPED WITH THE INSTRUMENT:
- 1. 110-240VAC to 48VDC EXTERNAL POWER ADAPTER
 - 2. QTY 4, 200 POSITION SAMPLE TRAY
 - 3. QTY 1, PROCESS CONTROL STANDARD TRAY
 - 4. QA/QC TEST DOCUMENTATION

PROPRIETARY AND CONFIDENTIAL
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CINRG SYSTEMS INC.. ANY
REPRODUCTION IN PART OR AS A WHOLE
WITHOUT THE WRITTEN PERMISSION OF
CINRG SYSTEMS INC., IS PROHIBITED.

TASK	NAME	DATE	TASK	NAME	DATE	TASK		DATE		
DRAWN	KANNAN	14-FEB-25	REVISED			PUNCH				
CHECKED						BENT				
BEND DEDUCTION:						DWG NO.				
MATERIAL						HVA-GA-01				
FINISH						SIZE		DESCRIPTION:		REV
DO NOT SCALE DRAWING						B		GENERAL ARRANGEMENT		A
			COMMENTS:			SCALE: 1:15		WEIGHT:		
						SHEET: 1 of 3				



HOUILLON VISCOMETER AUTOMATION SYSTEM (HVA-2 AND HVA-4)
SYSTEM ARCHITECTURE DETAIL

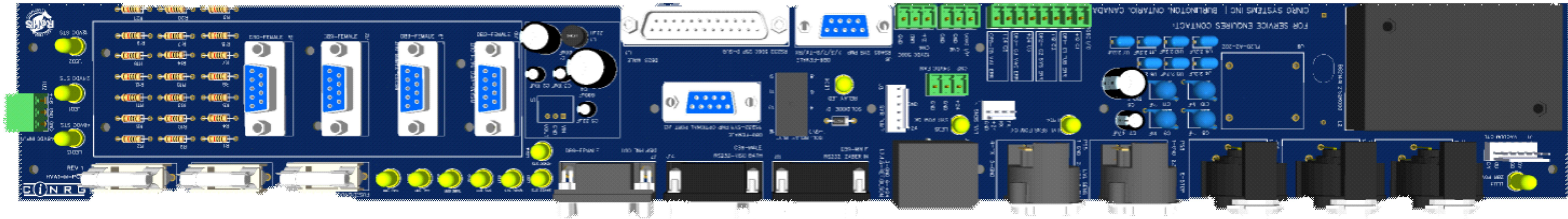


CSI-HVA	TASK	NAME	DATE	TASK	NAME	DATE	TASK		DATE
	DRAWN	KANNAN	15-FEB-2025	REVISED			PUNCH		
	CHECKED						BENT		
	BEND DEDUCTION:	DIMENSIONS ARE IN INCHES TOLERANCES: ±0.03125 FRACTIONAL: ±1/32 ANGULAR: MACH± BEND ±			DWG NO. HVA-GA-02				
ETARY AND CONFIDENTIAL FORMATION CONTAINED IN THIS ING IS THE SOLE PROPERTY OF SYSTEMS INC., ANY DUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF SYNERGY SYSTEMS INC., IS PROHIBITED.	MATERIAL				SIZE B			DESCRIPTION: SYSTEM ARCHITECTURE	
	FINISH				COMMENTS:			REV A	
	DO NOT SCALE DRAWING				SCALE: 1:15 WEIGHT:			SHEET: 2 of 3	

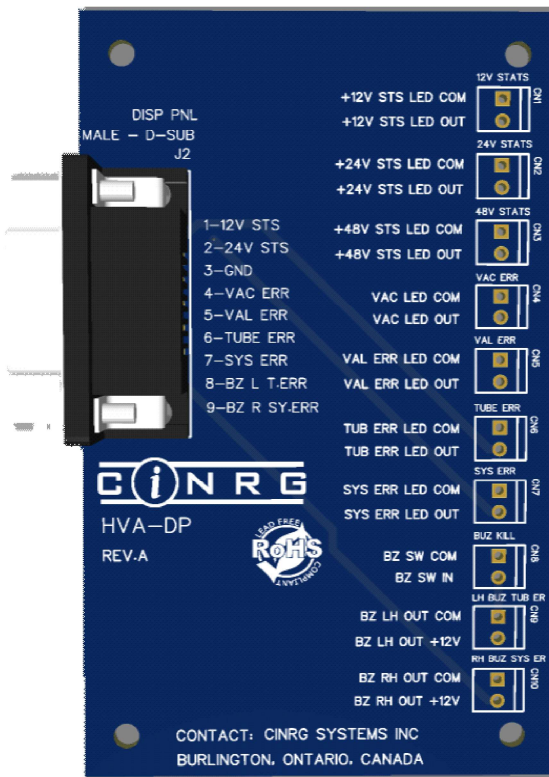
HOULLON VISCOMETER AUTOMATION SYSTEM (HVA-2 AND HVA-4)

PCB DETAIL

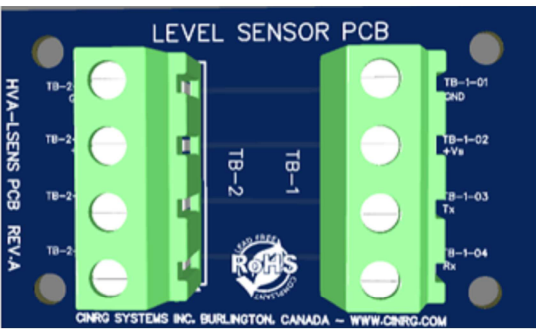
PCB 1: HVA-M-PCB REV A LOCATION: E-CABINET




PCB 2: HVA-DP-PCB REV A LOCATION: DISPLAY PANEL



PCB 3: HVA-LSSENS-PCB REV A LOCATION: Z-AXIS ARM



JOB #: CS-HVA	TASK	NAME	DATE	TASK	NAME	DATE	TASK		DATE		
	DRAWN	KANNAN	15-FEB-2025	REVISED			PUNCH				
	CHECKED						BENT				
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	MATERIAL						SIZE B	DESCRIPTION: PCB DETAILS			
	FINISH			COMMENTS:							
	DO NOT SCALE DRAWING										
							SCALE: 1:15	WEIGHT:	SHEET: 3 of 3		