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D

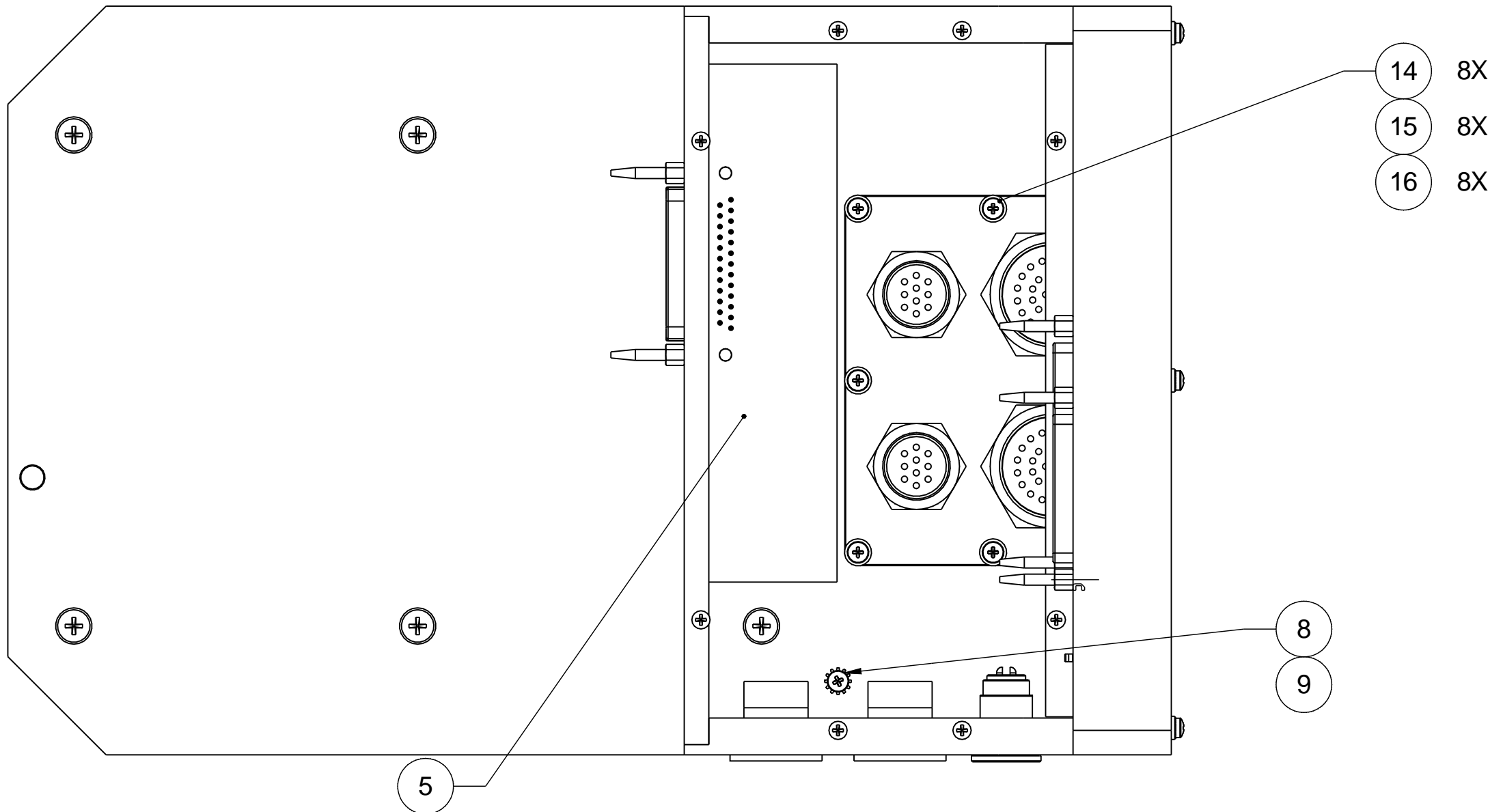
C

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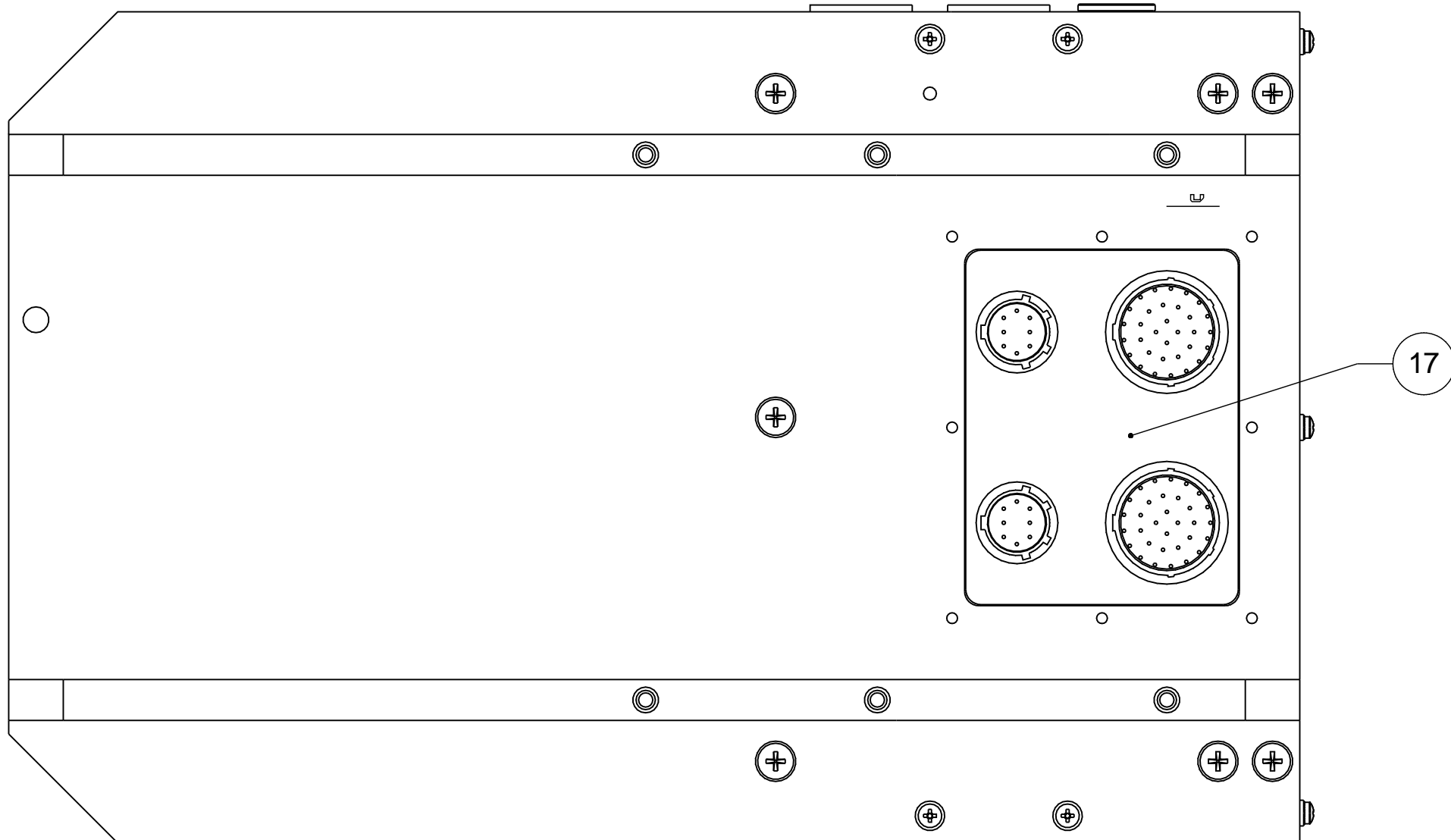
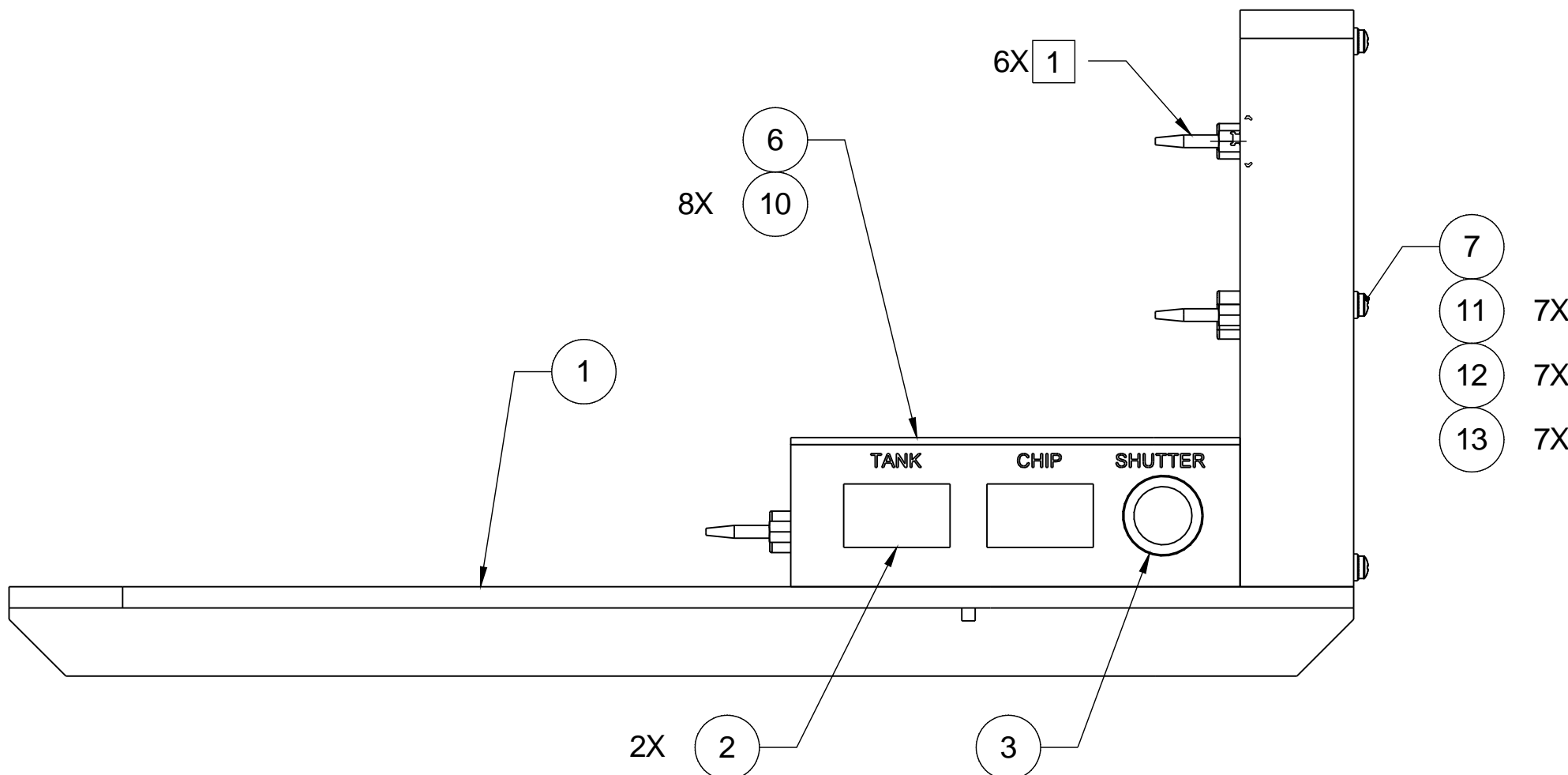
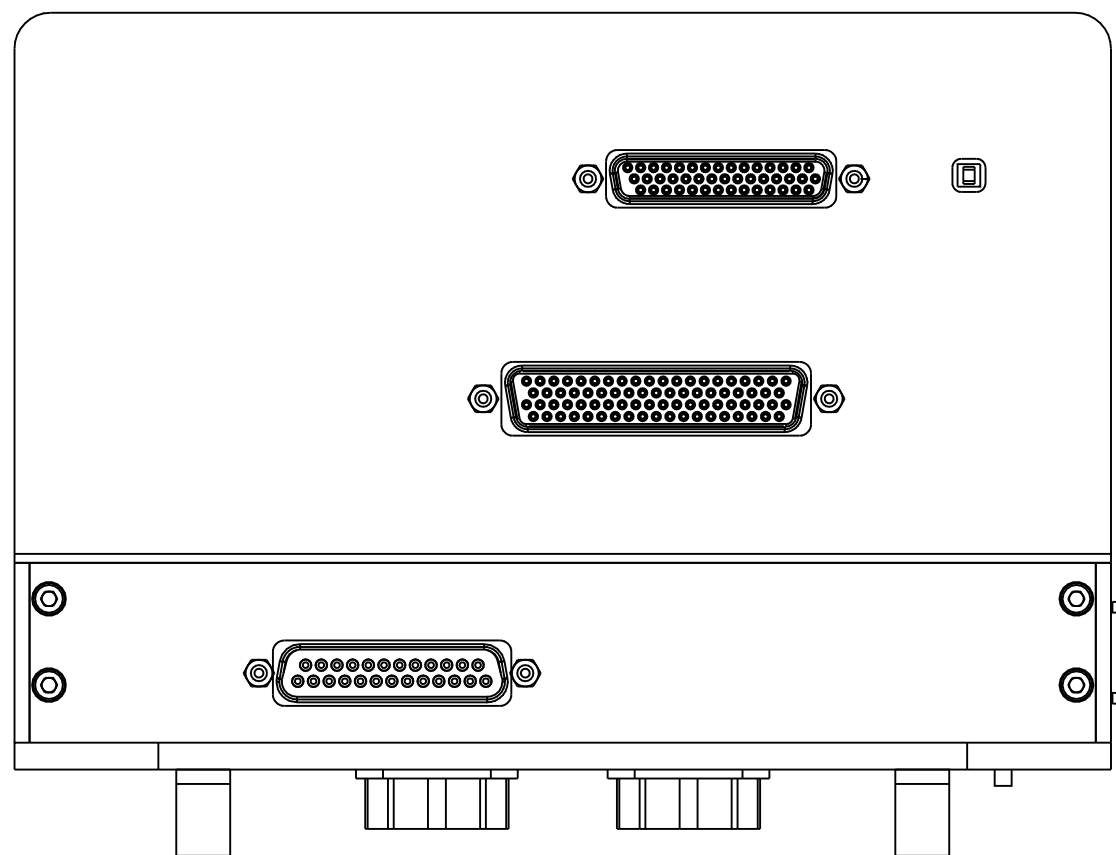
A

NOTES UNLESS OTHERWISE SPECIFIED:

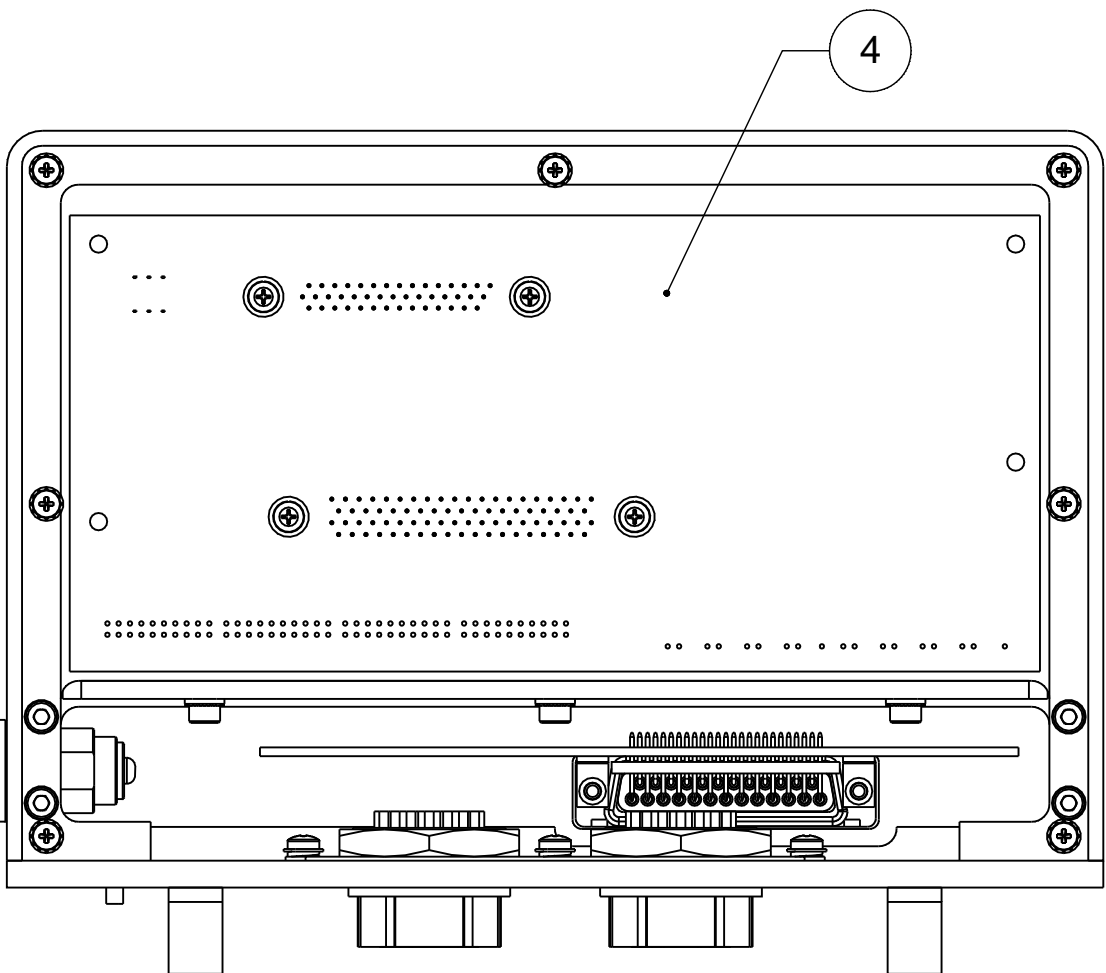
- 1 REATTACH BLIND MATING GUIDES PREVIOUSLY REMOVED ON DRAWING TRNT-EL-02-0005.



ITEM 6 REMOVED FOR CLARITY



	C	CHG QTY FOR ITEMS 11,12 & 13 FROM 8 TO 7; CHG ITEM 3 P/N FROM ERA 2S 308 CLL (LEMO) SOCKET CONN 8 PIN TO TRNT-EL-03-0002 CABLE, SHUTTER PREFLASH; CHG ITEM 8 FROM TRNT-EL-12-0004 DEWAR CON. 10 PIN TO NO P/N SCREW, PAN HD, M3x8MM L, CRES; CHG ITEM 9 FROM TRNT-EL-12-0005 DEWAR CON. 32 PIN TO WASHER, LOCK M3, CRES; CHG ITEM 14 FROM TRNT-EL-02-1034 HEX JAM NUT .688-24 TO SCREW, PAN HD, M3x6MM L, CRES; CHG ITEM 15 FROM TRNT-EL-02-1035 HEX JAM NUT 1.063-18 TO WASHER, FLAT, M3 REDUCED OD, CRES; ADD ITEM 16 & 17; REMOVE SECTION DETAIL A-A; UPDATE SHEET 2 & 3 AS REQ.	MDK	1/20/2012	
		ITEM 10 WAS M3, ITEM 11 WAS 10 MM L	JD	1/14/2011	
		ADDED ITEMS 14 & 15, CHANGED PART NUMBER ON ITEMS 8 & 9	JD	10/21/2010	
		INITIAL RELEASE	JD	7/23/2010	
ZONE	REV	DESCRIPTION	BY	DATE	APV BY
REVISIONS					



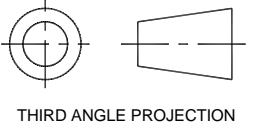
ITEM 7 REMOVED FOR CLARITY

ITEM NO.	QUANTITY	MANUFACTURER	PART NO.	DESCRIPTION
1	1		TRNT-EL-02-0006	TRANSITION MODULE CHASSIS
2	2	OMEGA	MPJ-T-F	THERMOCOUPLE CONNECTOR
3	1		TRNT-EL-03-0002	CABLE, SHUTTER PREFLASH
4	1		TRNT-EL-02-0005	CCD PREAMP TRANSITION BOARD
5	1		TRNT-EL-04-0009	TRANSITION UTILITY BOARD
6	1		TRNT-EL-02-1030	TRANSITION MODULE BASE TOP COVER
7	1		TRNT-EL-02-1029	TRANSITION MODULE BASE FRONT COVER
8	1			SCREW, PAN HD, M3x8MM L, CRES
9	1			WASHER, STAR, M3, CRES
10	8			SCREW, FLAT HD, M2.5 X 5 MM L, CRES
11	7			SCREW, PAN HD, M2.5 X 8 MM L, CRES
12	7			WASHER, LOCK, M2.5, CRES
13	7			WASHER, FLAT, M2.5, REDUCED OD, CRES
14	8			SCREW, PAN HD, 3Mx6MM L, CRES
15	8			WASHER, FLAT, 3M, REDUCED OD, CRES
16	8			WASHER, LOCK, M3, CRES
17	1		TRNT-EL-02-0025	TRANSITION ISOLATION PLATE

MATERIAL :

TOLERANCES UNLESS OTHERWISE NOTED  
XX ±.03  
XXX ±.010

ANGULAR  
±.5°



NATIONAL SOLAR OBSERVATORY  
OPERATED BY THE  
ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY  
UNDER COOPERATIVE AGREEMENT WITH  
NATIONAL SCIENCE FOUNDATION

DO NOT SCALE DRAWING

NAME

USED ON

NEXT ASSEMBLY

TRNT-EL-02-0001

TRANSITION MODULE  
ASSEMBLY

TORRENT

DWG SIZE

D

REV

C

SCALE: 3:4

DESIGNED BY:

DeVRIES / RATH

CHECKED BY:

XXX

DRAWING NUMBER

TRNT-EL-02-0003

DWG PRODUCED USING

SOLIDWORKS  
2010

APPROVED BY:

J. DeVRIES

APPROVED BY:

XXX

RELEASE DATE:

XX/XX/XX

SHEET: 1 OF 3

-1	
ITEM	WEIGHT (Lbs)
CALCULATED WEIGHT	

17

16

15

14

13

12

11

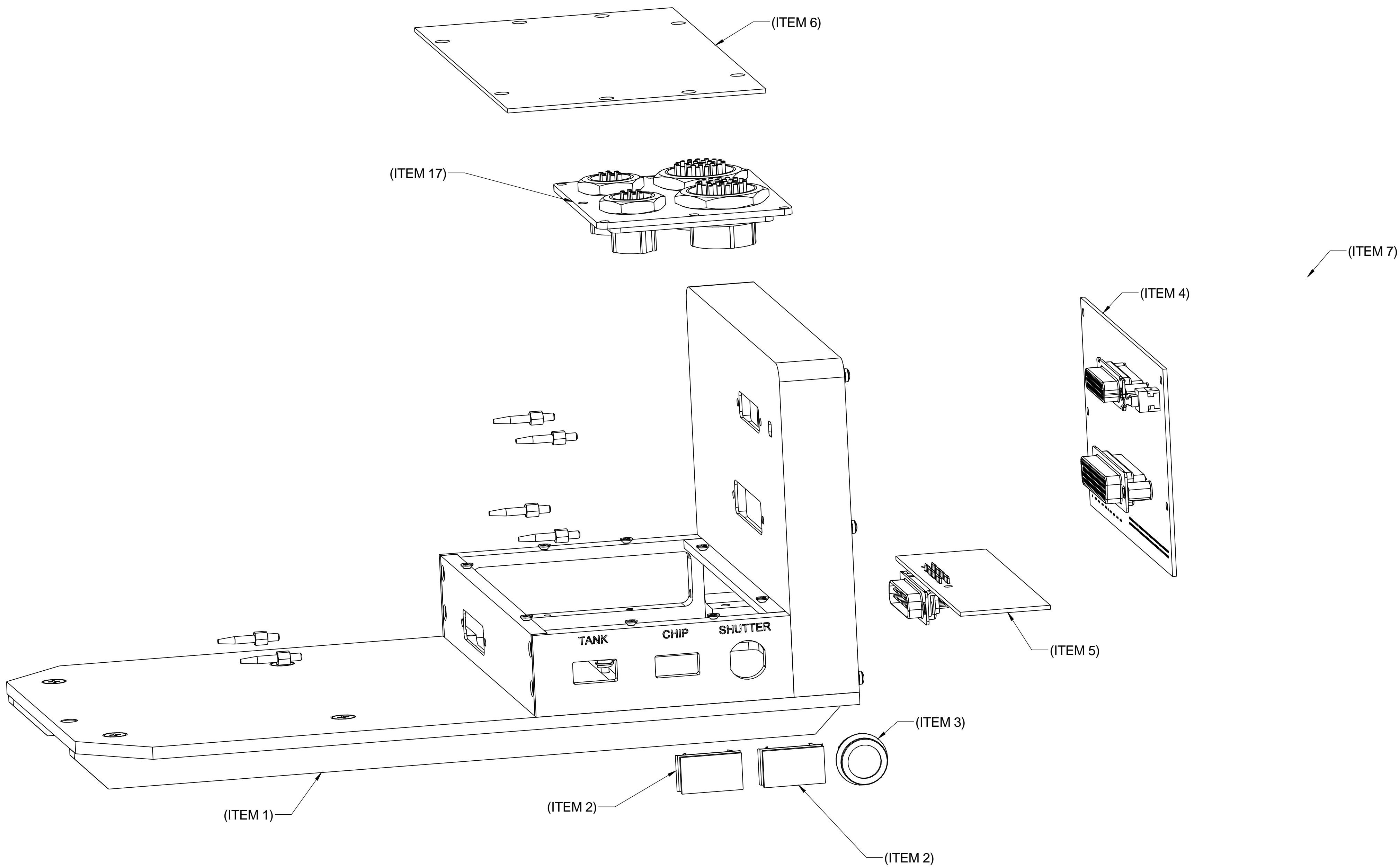
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B

A



REFERENCE VIEW ONLY

APPROVED  
REFERENCE  
COPY

-1	
ITEM	WEIGHT (Lbs)
CALCULATED WEIGHT	

MATERIAL :			
TOLERANCES UNLESS OTHERWISE NOTED .XX ±.03 .XXX ±.010		NATIONAL SOLAR OBSERVATORY OPERATED BY THE ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY UNDER COOPERATIVE AGREEMENT WITH NATIONAL SCIENCE FOUNDATION	
DO NOT SCALE DRAWING		NAME	
NEXT ASSEMBLY		USED ON	
TRNT-EL-02-0001		TORRENT	
SCALE: 1:1		DRAWING NUMBER	
DWG PRODUCED USING SOLIDWORKS 2010		TRNT-EL-02-0003	
DESIGNED BY: DeVRIES / RATH		CHECKED BY: XXX	
DRAWN BY: DeVRIES		APPROVED BY: XXX	
		RELEASE DATE: XX/XX/XX	
		SHEET: 2 OF 3	

27

26

25

24

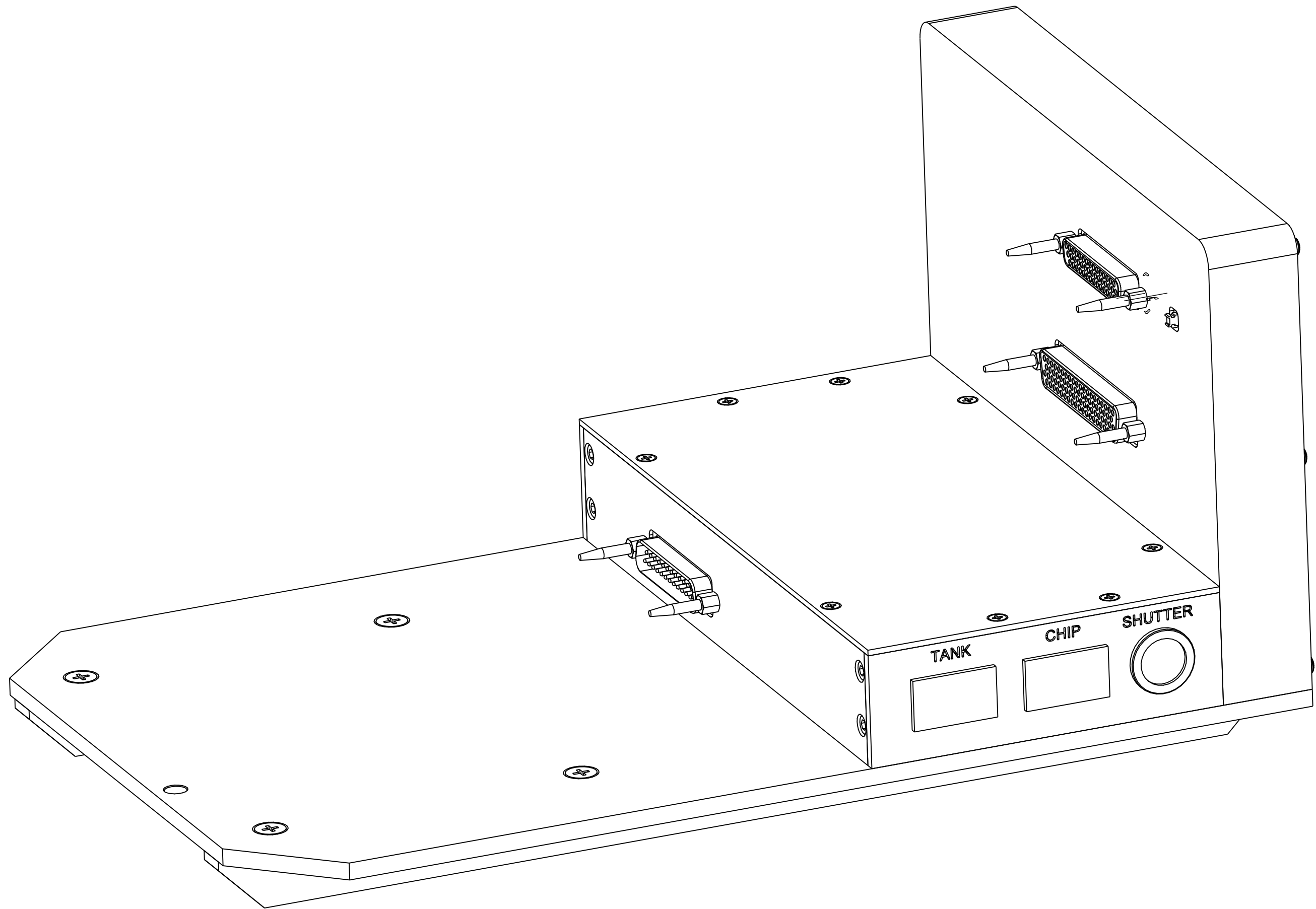
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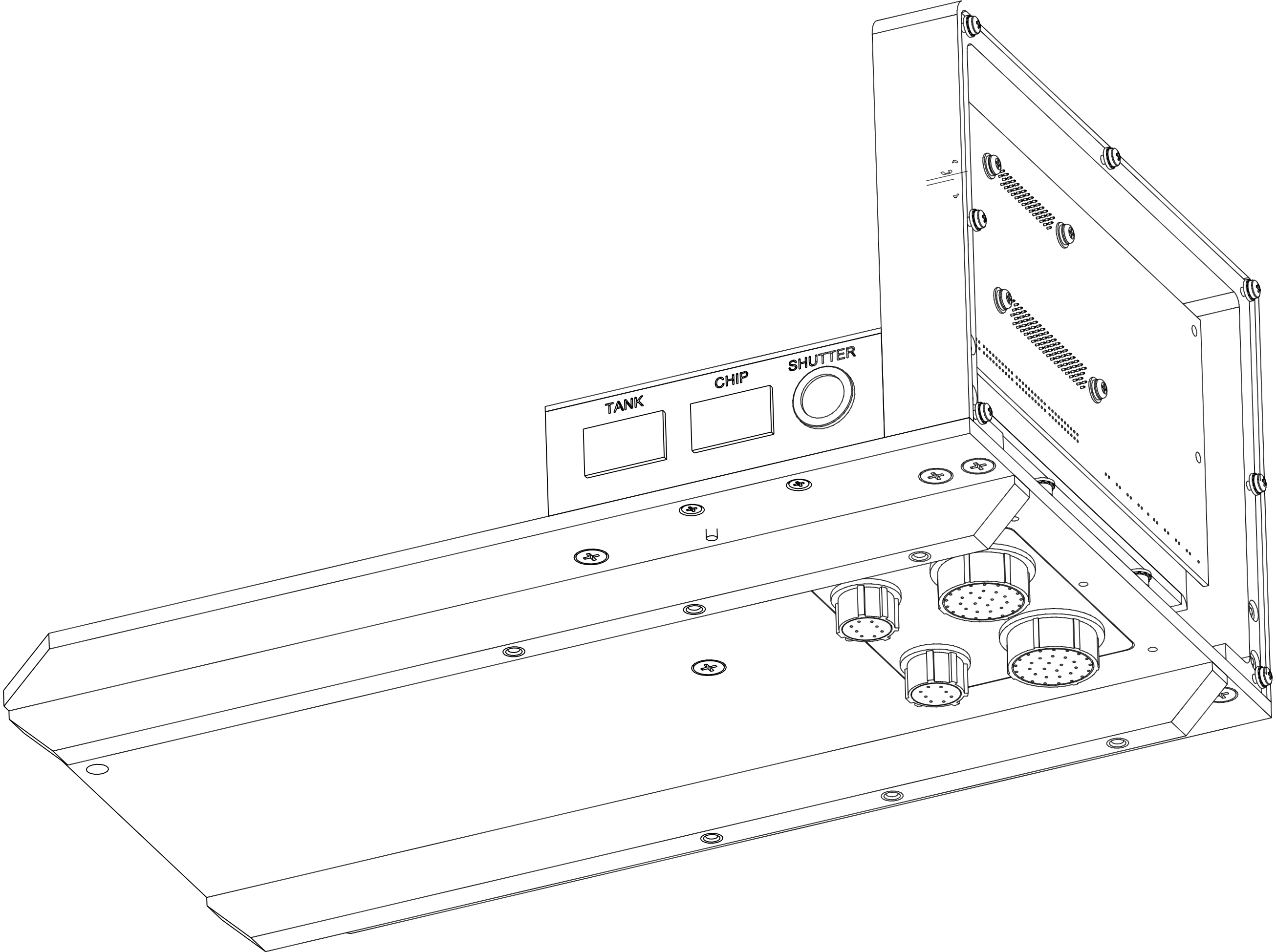
21



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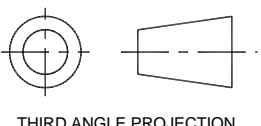
REFERENCE VIEW ONLY



REFERENCE VIEW ONLY

APPROVED  
REFERENCE  
COPY

-1	
ITEM	WEIGHT (Lbs)
CALCULATED WEIGHT	

MATERIAL :					
TOLERANCES UNLESS OTHERWISE NOTED		 THIRD ANGLE PROJECTION		NATIONAL SOLAR OBSERVATORY OPERATED BY THE ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY UNDER COOPERATIVE AGREEMENT WITH NATIONAL SCIENCE FOUNDATION	
DO NOT SCALE DRAWING		NAME		USED ON	
NEXT ASSEMBLY		TRANSITION MODULE ASSEMBLY		DWG SIZE	REV
TRNT-EL-02-0001				D	C
SCALE: 1:1	DESIGNED BY: DeVRIES / RATH	CHECKED BY: XXX	DRAWING NUMBER		
DWG PRODUCED USING SOLIDWORKS 2010	DRAWN BY: DeVRIES	APPROVED BY: XXX	TRNT-EL-02-0003		
		RELEASE DATE: XX/XX/XX	SHEET: 3 OF 3		