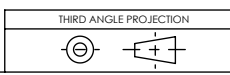
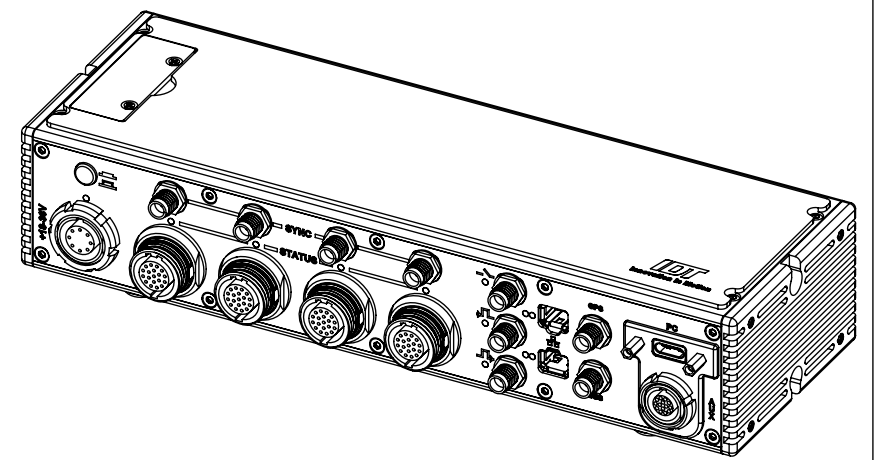
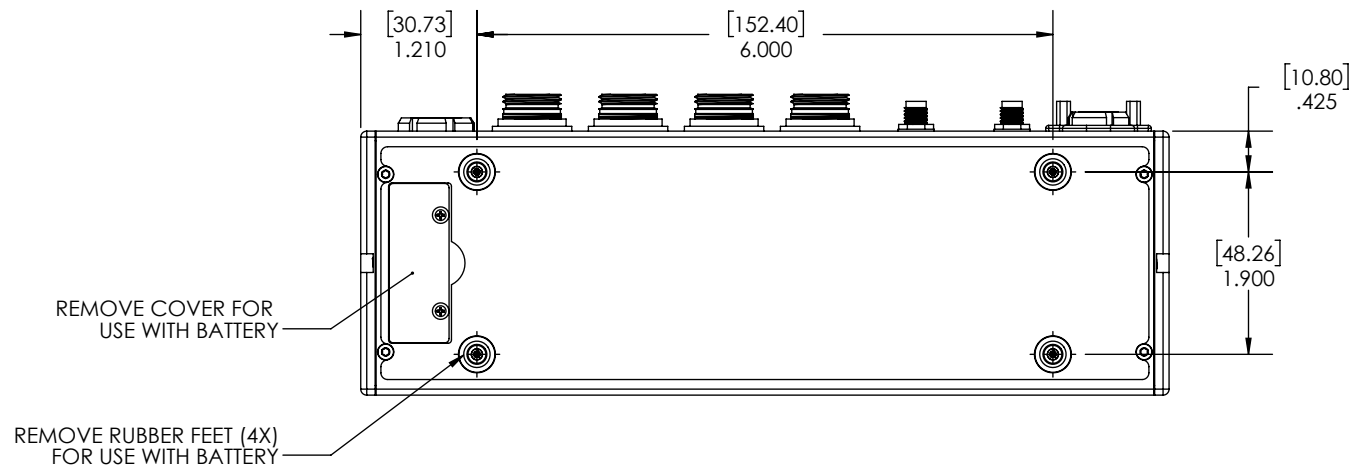
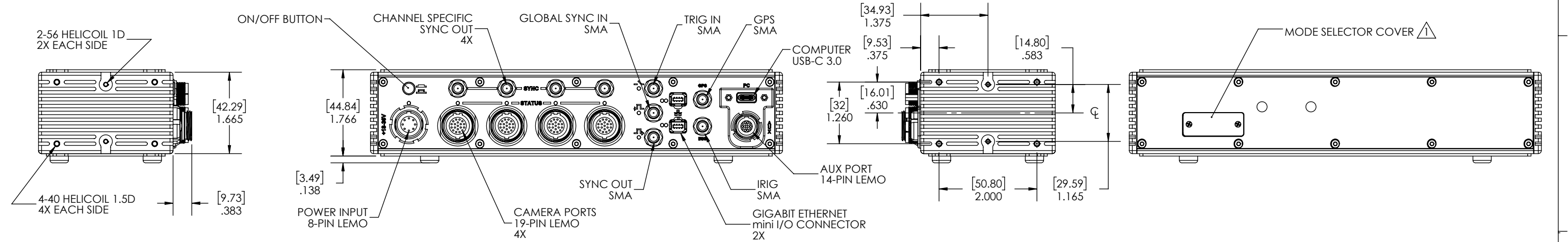
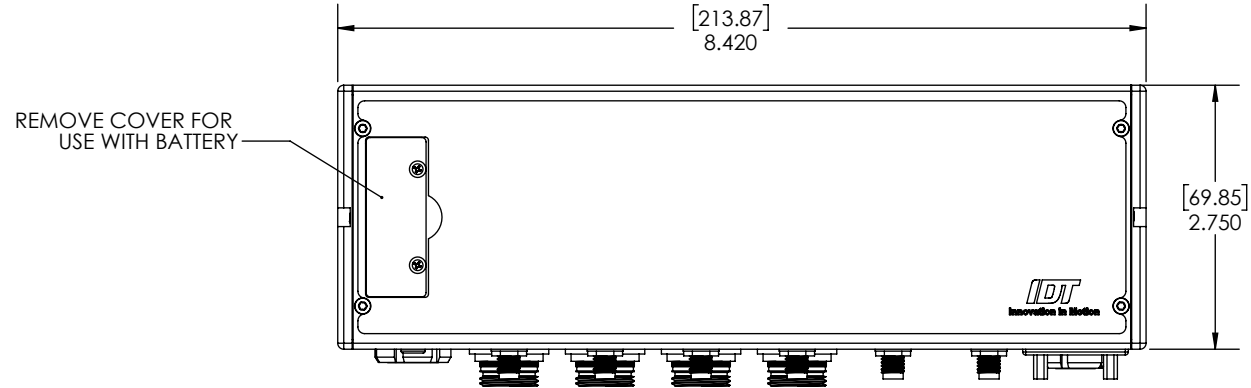


INTERFACE CONTROL DOCUMENT

1 SEE USERS MANUAL FOR DETAILED INSTRUCTIONS.

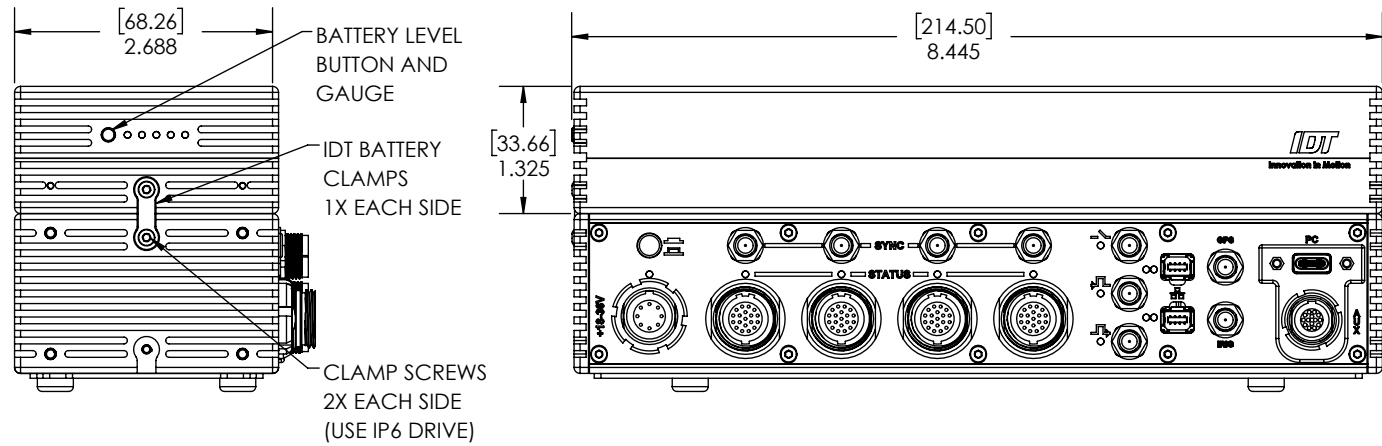
2 INSTALL HIGH-G BRACKETS OVER IDT BATTERY CLAMPS.

REVISIONS					
ZONE	REV.	ECO #	DESCRIPTION	DATE	APPROVED
	A	ECO-0085	INITIAL RELEASE FOR PRODUCTION.	6/26/2017	B. MOAK
	B	ECO-0123	ADDED VIEW ON SHEET TWO WITH BATTERY CONNECTED	8/2/2017	B. MOAK
	C	ECO-0473	REVISED OVERALL DOCUMENT. ADDED VIEWS FOR HIGH-G BRACKET OPTION. ADDED PINOUTS FOR LEMO CONNECTORS.	6/12/2019	C. VIDAMO

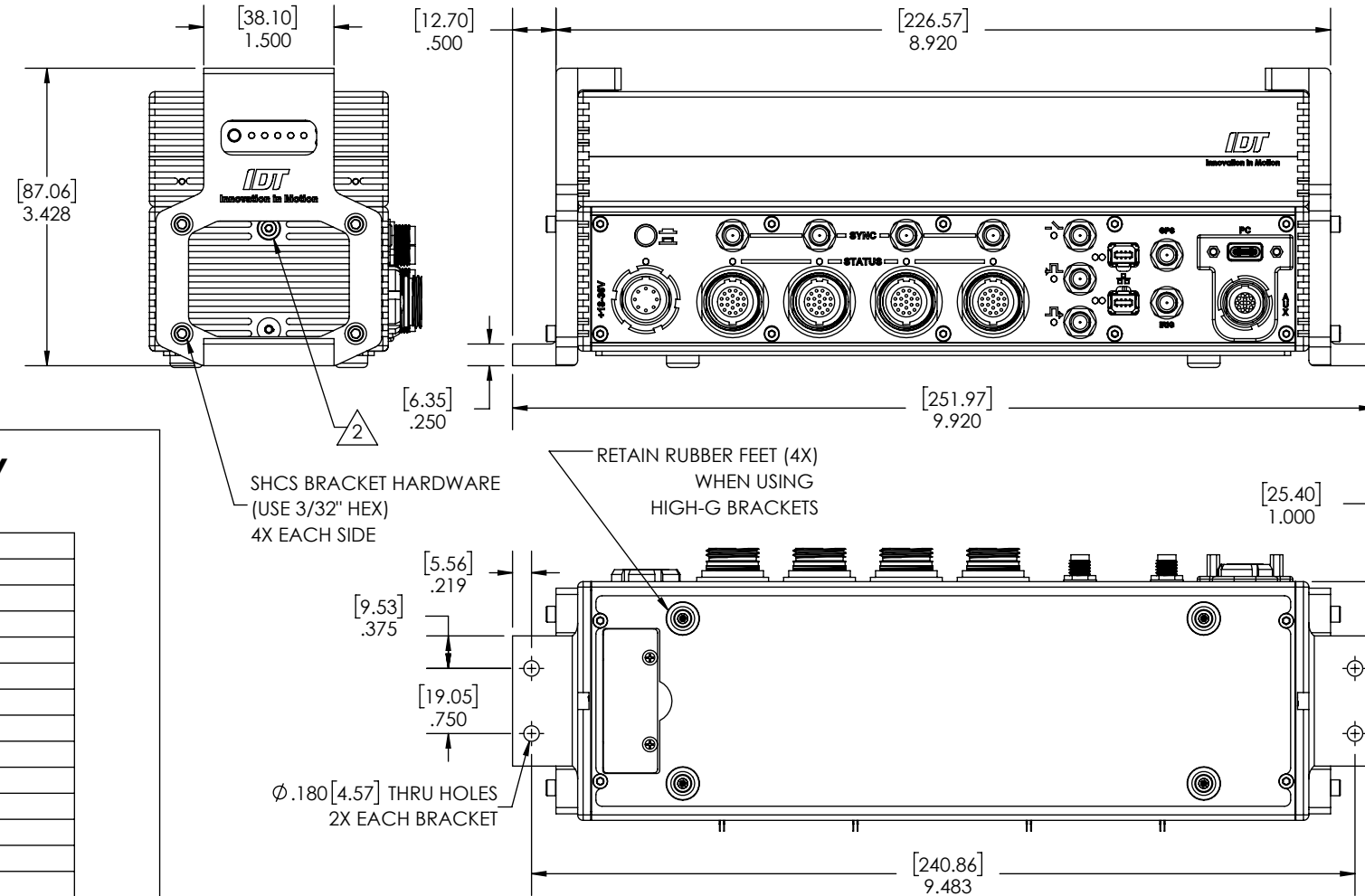


PROPRIETARY AND CONFIDENTIAL <small>THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF INTEGRATED DESIGN TOOLS, INC. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF INTEGRATED DESIGN TOOLS, INC. IS PROHIBITED.</small>	PROJECT NAME: TC19 HUB	DRAWN: C. VIDAMO 06/12/2019	DATE: 06/12/2019	TITLE: TC19 HUB, INTERFACE CONTROL DOCUMENT (ICD)
	UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES TOLERANCES ON: FRACTIONAL DECIMAL ANGULAR ± 1/16 .X ± .03 ± 1° .XX ± .01 .XXX ± .005	CHECKED: B. MOAK 06/12/2019 MECH. ENGINEER	ELECTRICAL ENGINEER: B. MOAK 06/12/2019	OPERATIONS MANAGER: PROGRAM MANAGER:
IDT	DO NOT SCALE DRAWING	DWG. NO. 1447-0100	REV C	SCALE: 1:2 DATE: 6/13/2019 SHEET 1 OF 2

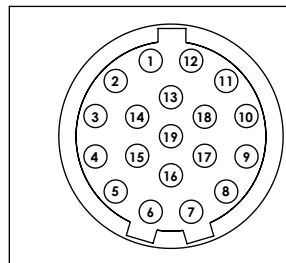
WITH SINGLE BATTERY CONNECTED



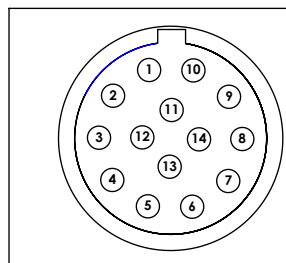
WITH SINGLE BATTERY CONNECTED AND HIGH-G BRACKETS



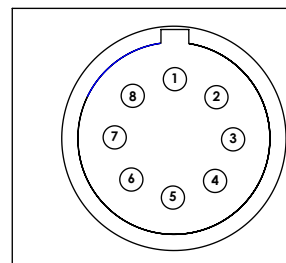
FOR CONNECTOR ELECTRICAL SPECIFICATION REFERENCE ONLY



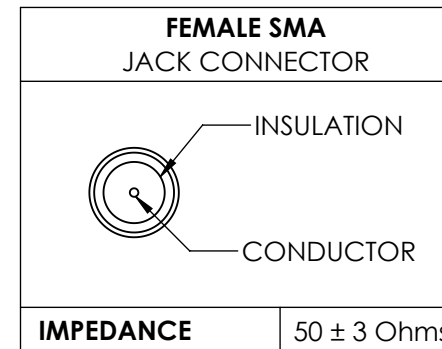
LEMO CONNECTOR M-SERIES HEN.2M.319.XNLP			
PIN	SIGNAL	TECHNICAL DESCRIPTION	
1	SGND	GROUND, DRAIN	
2	READY OUT	TTL 5V, 10mA MAX	
3	SYNC OUT	TTL 5V, 10mA MAX	
4	MCT 0 / ETH 1	100 Ω ± 15%, GIGABIT ETHERNET (1000BaseT)	
5	MCT 1 / ETH 2	100 Ω ± 15%, GIGABIT ETHERNET (1000BaseT)	
6	MCT 3 / ETH 6	100 Ω ± 15%, GIGABIT ETHERNET (1000BaseT)	
7	MCT 5 / ETH 5	100 Ω ± 15%, GIGABIT ETHERNET (1000BaseT)	
8	MCT 6 / ETH 7	100 Ω ± 15%, GIGABIT ETHERNET (1000BaseT)	
9	MCT 7 / ETH 8	100 Ω ± 15%, GIGABIT ETHERNET (1000BaseT)	
10	GND	GROUND FOR POWER RETURN AND SYNC OUT RETURN	
11	NOT CONNECTED	-	
12	+ CAM POWER	18VDC TO 36VDC, 1.7A @ 24VDC (NOMINAL)	
13	NOT CONNECTED	-	
14	TRIG IN	2.7 kΩ ± 10% SWITCH CLOSURE (TTL) 5V AND CMOS LEVEL COMPATIBLE	
15	MCT 2 / ETH 3	100 Ω ± 15%, GIGABIT ETHERNET (1000BaseT)	
16	MCT 4 / ETH 4	100 Ω ± 15%, GIGABIT ETHERNET (1000BaseT)	
17	GND	GROUND FOR POWER RETURN AND SYNC OUT RETURN	
18	NOT CONNECTED	-	
19	SYNC IN	2.7 kΩ ± 10% SWITCH CLOSURE (TTL) 5V AND CMOS LEVEL COMPATIBLE	



LEMO CONNECTOR B-SERIES ECG.1B.314.CLV	
PIN	SIGNAL
1	TRIG IN DIFF +
2	TRIG IN DIFF -
3	ISOLATED GND
4	ISOLATED GND
5	SYNC IN DIFF +
6	SYNC IN DIFF -
7	SYNC OUT DIFF +
8	SYNC OUT DIFF -
9	GND
10	READY OUT
11	+7.5 VDC
12	+7.5 VDC
13	GND
14	GND



LEMO CONNECTOR B-SERIES ECG.2B.308.CLV	
PIN	SIGNAL
1	POWER INPUT +VDC
2	
3	
4	
5	POWER GROUND
6	
7	
8	



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	<p>UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES TOLERANCES ON:</p>	<p>TITLE: TC19 HUB, INTERFACE CONTROL DOCUMENT (ICD)</p>	<p>SIZE: B</p>
	<p>FRACTIONAL DECIMAL ANGULAR ± 1/16 X ± .03 ± 1° .XX ± .01 .XXX ± .005</p>	<p>SCALE: 1:2</p>	<p>DATE: 6/13/2019</p>
	<p>DO NOT SCALE DRAWING</p>	<p>SCALE: 1:2</p>	<p>DATE: 6/13/2019</p>

