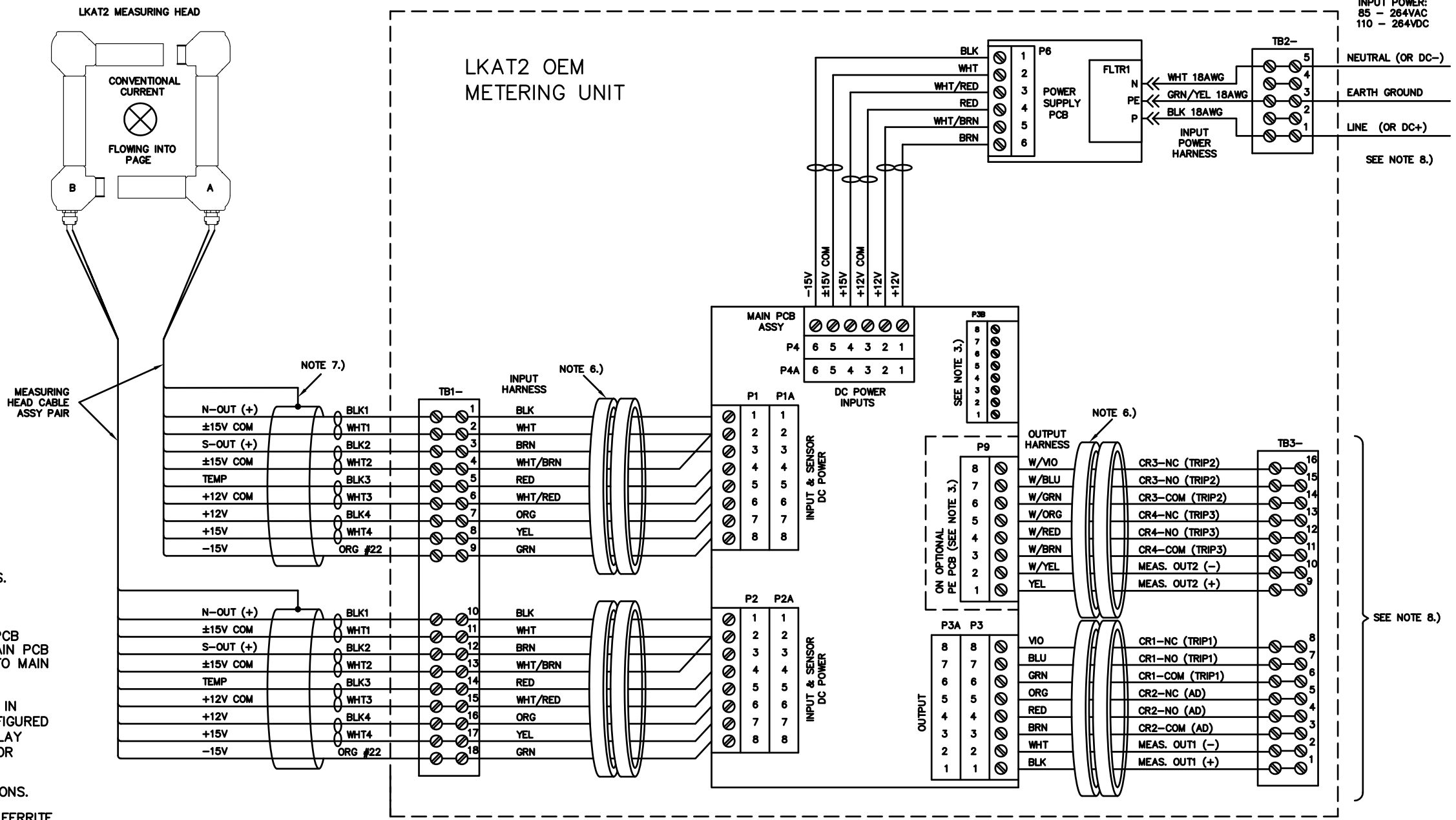


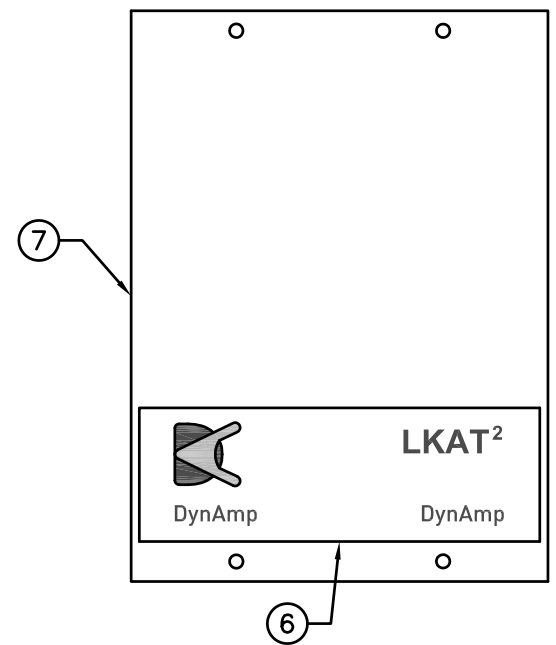
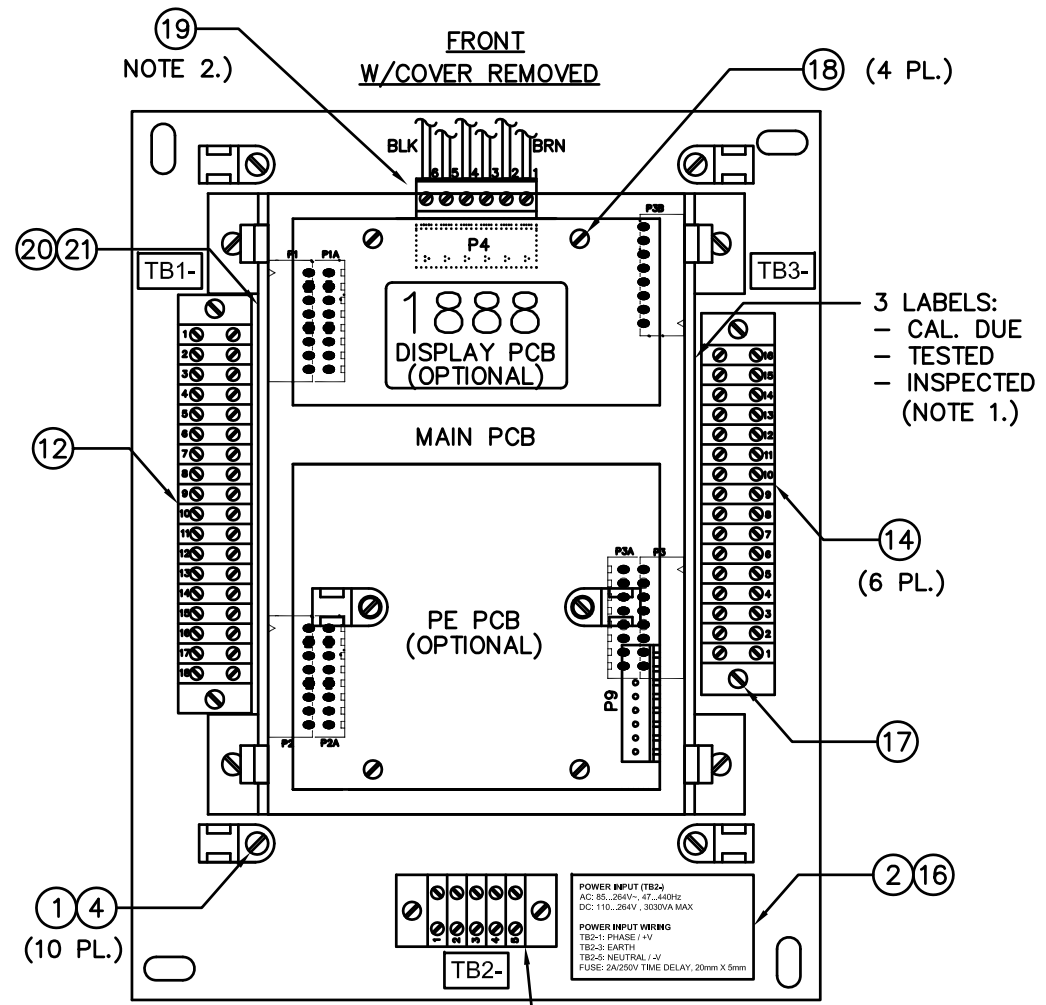
TERMINAL SCREW TORQUE		
PLUG / TB No.	TORQUE (N-m)	TORQUE (in-lb)
P1, P2, P3, P4, P6, P9	0.25	2.2
TB1, TB2, TB3	0.65	5.5



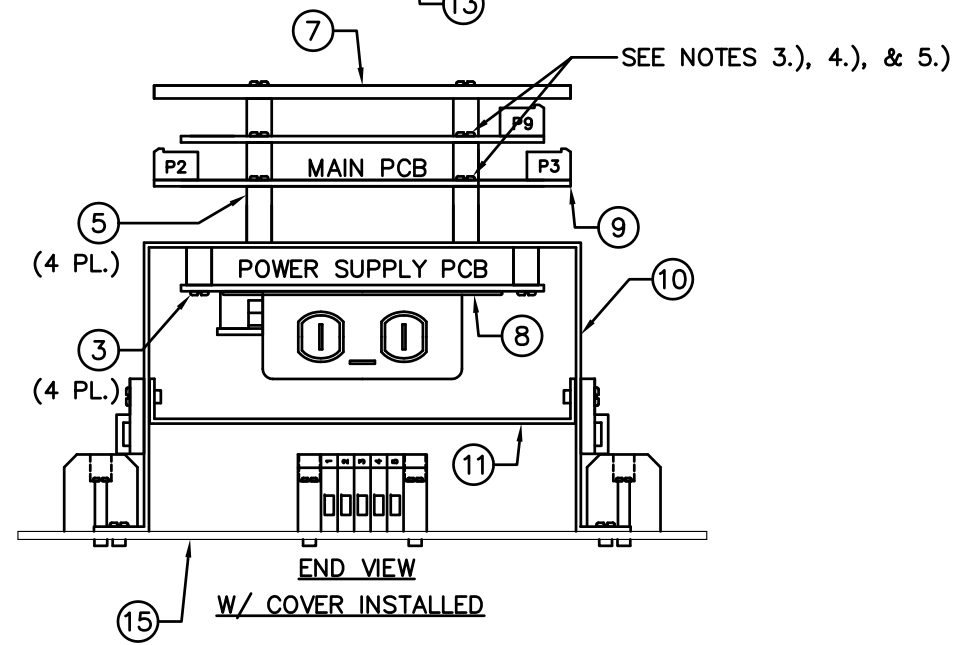
NOTE:

- 1.) P1 - P4, P6 & P9 ARE PLUG-IN CONNECTORS.
- 2.) ALL WIRES ARE 20AWG UNLESS NOTED.
- 3.) WHEN LKAT2 SYSTEM DOES NOT INCLUDE PE PCB ASSY, HARNESS PLUG P9 MATES WITH P3B ON MAIN PCB ASSY. P3B MAKES NO ELECTRICAL CONNECTION TO MAIN PCB CIRCUITRY.
- 4.) RELAY CONTACTS SHOWN WITH METERING UNIT IN DE-ENERGIZED CONDITION WITH CR1 (TRIP1) CONFIGURED FOR FAILSAFE OPERATION). SEE MANUAL FOR RELAY CONTACT STATUS FOR CR1 (TRIP1) CONFIGURED FOR NON-FAILSAFE OPERATION.
- 5.) P1A, P2A, P3A, AND P4A ARE TEST CONNECTIONS.
- 6.) INPUT & OUTPUT WIRING HARNESSES INCLUDE FERRITE BEADS EACH WITH ONE TURN OF HARNESS WIRES. THERE ARE (8) FERRITES TOTAL. INSTALLED AT FACTORY.
- 7.) HEAD CABLE SHIELD (2 PLACES) CONNECTED INSIDE HEAD AT FACTORY.
- 8.) OUTPUT SIGNAL & INPUT POWER CABLES SUPPLIED & WIRED BY CUSTOMER.

SYM.	REVISION	DRN./DATE	CK'S/DATE	B/M NO.(REF.)	THIRD ANGLE PROJECTION	DO NOT SCALE PRINT			 GROVE CITY, OHIO
						TOL. UNLESS OTHERWISE NOTED	DEC.	FRAC.	
						±.015	±.015	±1°	
				FINISH		DRN./DATE	SCALE	TITLE	
						RJM	N/A	WIRING DIAGRAM - LKAT2 OEM SYSTEM - AC/DC WITH EMC FILTERING (ALL FERRITES INSIDE M.U.)	
				MAT'L		CK'D/DATE	APV./DATE	JOB	REV.
						DEO	CSS	DWG. NO.	
						8/04/16	8/04/16	83B109437	-



TIGHTENING TORQUE	
ALL 4-40 HDWE.	.56Nm [5lb-IN]
ALL 6-32 HDWE.	1.13Nm [10in-lb]

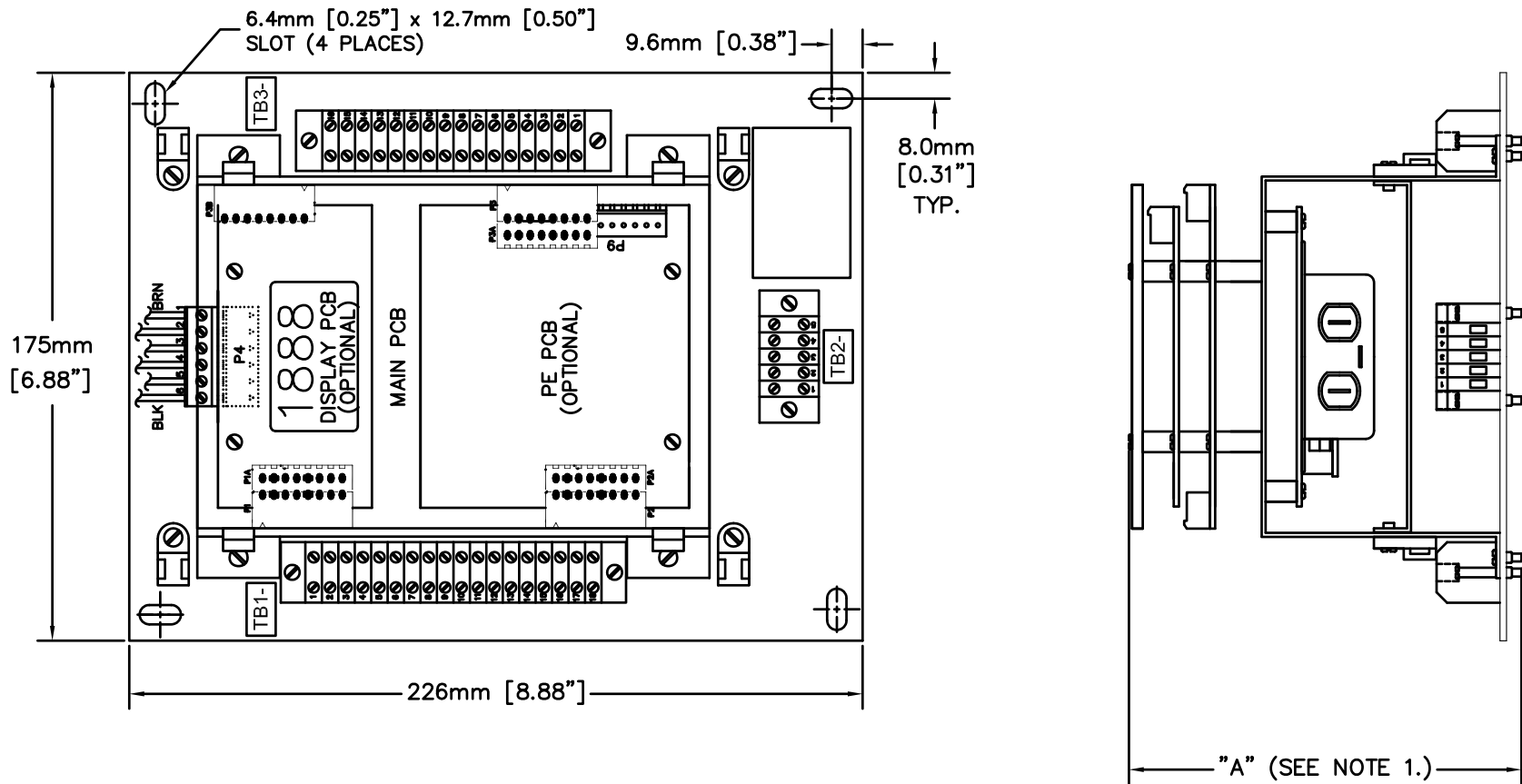


- NOTE:
- 1.) THESE LABELS INSTALLED DURING TEST / CALIBRATION.
 - 2.) CONNECTOR P6 IS LOCATED ON THE POWER SUPPLY PCB DIRECTLY BELOW P4.
 - 3.) WHEN PE PCB IS ADDED: REMOVE 4-40 x 1-1/4" (2) SCREWS. REPLACE WITH 4-40 x 1-1/2" SCREWS.
 - 4.) WHEN DISPLAY PE PCB IS ADDED: REMOVE 4-40 x 1-1/4" (2) SCREWS. REPLACE WITH 4-40 x 1-3/4" SCREWS.
 - 5.) FOR SYSTEMS WITH ONLY ONE OPTIONAL PCB ASSY (PE OR RMS DISPLAY) ADDED TO METERING UNIT: USE QTY (2) #045706 "SCREW,PNH 4-40 X 1-3/4 ZINC" AND QTY (2) ITEM #045707 "SPACER,NYLON #4 X 9/16" ROUND.
 - 6.) INPUT & OUTPUT WIRING HARNESSES INCLUDE FERRITE BEADS EACH WITH ONE TURN OF HARNESS WIRES. THERE ARE (8) FERRITES TOTAL. INSTALLED AT FACTORY. THESE HARNESSES ARE NOT SHOWN.

SYM.	REVISION	DRN./DATE	CK'S/DATE	THIS DRAWING AND ALL INFORMATION CONTAINED HEREIN, IS THE PROPERTY OF DynAmp LLC, AND MAY NOT BE COPIED, REPRODUCED NOR DIVULGED TO UNAUTHORIZED PERSONS WITHOUT THE EXPRESS WRITTEN CONSENT OF DynAmp LLC. IT IS PROVIDED SOLELY FOR THE CONVENIENCE OF THE USER AND SHALL BE RETURNED UPON REQUEST.	B/M NO.(REF.)	THIRD ANGLE PROJECTION	DO NOT SCALE PRINT			GROVE CITY, OHIO
					FINISH	SCALE	TOL. UNLESS OTHERWISE NOTED	DEC.	FAC.	
							±.015 ±.015 ±.1"	DRN./DATE RJM 8/05/15	SCALE N/A	ASSEMBLY - LKAT2 OEM/SIGMA METERING UNIT W/EMC FILTERING (ALL FERRITES INSIDE M.U.)
								CK'D/DATE	APV./DATE	JOB
										DWG. NO. 84B109434
										REV. -


SYM.	REVISION	DRN./DATE	CK'S/DATE

- NOTE:
- 2.) UNITS ARE SHOWN AS mm [INCHES].
 - 1.) DIMENSION "A" IS 112.8mm [4.44] FOR METERING WITHOUT PE AND/OR RMS DISPLAY OPTION <OR> 127.0mm [5.00"] FOR SYSTEMS WITH PE AND/OR RMS DISPLAY OPTION.
 - 3.) INPUT, OUTPUT AND MAINS POWER HARNESS WIRES AND FERRITES ARE NOT SHOWN.
 4. METERING UNIT WEIGHT 2.0kg [4.5LB] TYPICAL
 5. TIGHTENING TORQUE FOR TB1, TB2 AND TB3 SCREWS: 0.65Nm [5.5IN-LB]



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B/M NO.(REF.)	THIRD ANGLE PROJECTION	DO NOT SCALE PRINT		
		TOL. UNLESS OTHERWISE NOTED		
FINISH		DEC.	FRAC.	ANG.
		±.015	±.015	±1°
MAT'L		DRN./DATE	SCALE	TITLE
		RJM 7/15/16	N/A	OUTLINE & MOUNTING LKAT2 OEM/SIGMA METERING UNIT EMC VERSION
		CK'D/DATE	APV./DATE	JOB
				DWG. NO. 02A109520
				REV. -

 **DynAmp, LLC** GROVE CITY, OHIO