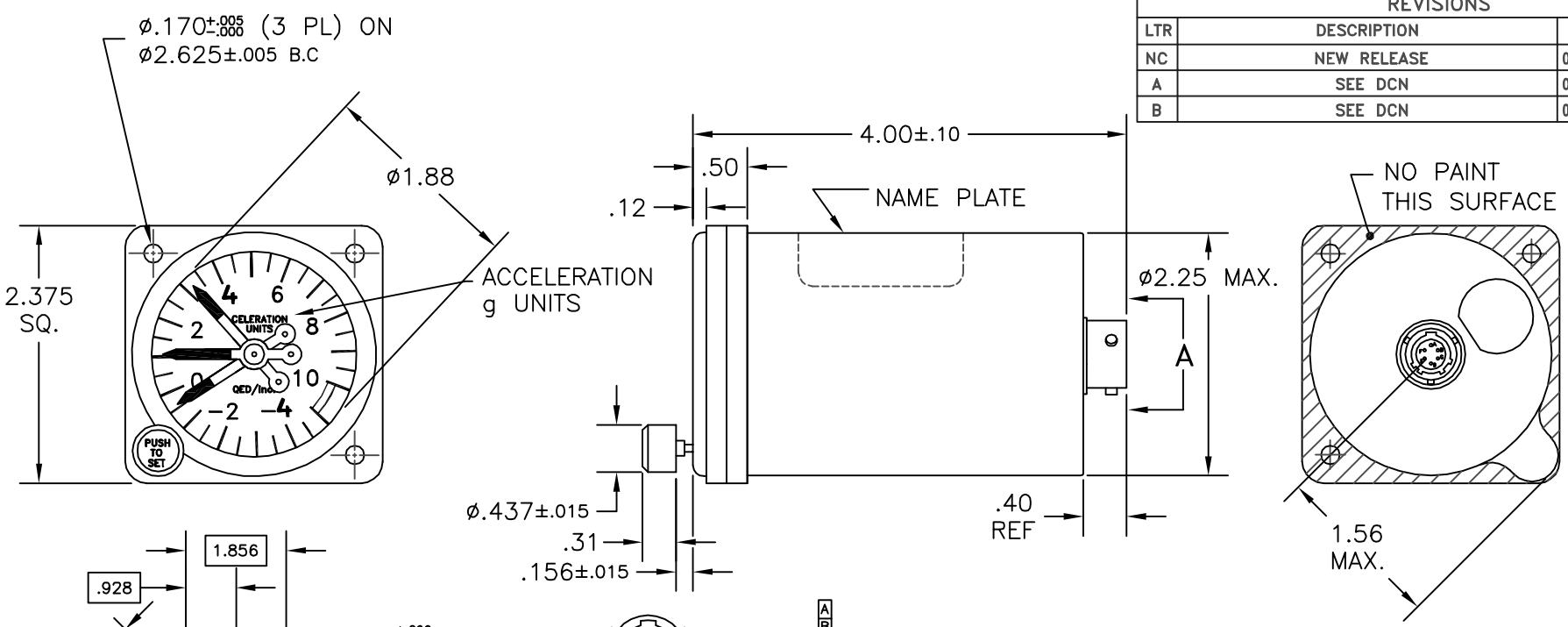
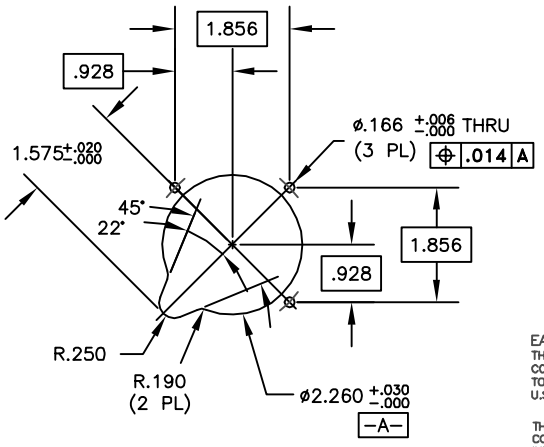
REVISIONS			
LTR	DESCRIPTION	DATE	APPROVED
NC	NEW RELEASE	08/03/09	JSB
A	SEE DCN	09/14/09	MP
B	SEE DCN	02/08/10	MP





PANEL CUTOUT

SCALE: .5=1

1. PAINT DURABLE DULL BLACK REF. COLOR #37038 OF FED−STD−595, EXCEPT ON SURFACE INDICATED.

NOTES

EAR DOCUMENT
THESE COMMERCIAL ITEMS ARE SUBJECT TO THE EXPORT CONTROLS OF THE U.S. GOVERNMENT, AND MAY NOT BE EXPORTED TO A FOREIGN PERSON WITHOUT THE WRITTEN APPROVAL OF THE U.S. DEPARTMENT OF COMMERCE.

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NEXT ASSY	USED ON
APPLICATION	

ITEM	QTY	DESCRIPTION	IDENT	PART NUMBER	REMARKS

LIST OF MATERIALS

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
DECIMALS: .X ± ; .XX ±.030 ; .XXX±.010
FRACTIONS ±
ANGLES ±

MATL:

FINISH

SIGNATURES		DATE
BY	AFS	08/03/09
CKD		
ENGR	LMP	08/03/09
APPD		

QED/inc. 2920 SOUTH HALLADAY STREET SANTA ANA, CALIFORNIA 92705

TITLE: ACCELEROMETER ELECTRONIC/ANALOG

SIZE	CODE IDENT NO.	DWG NO.
B	24708	3010−10−500

SCALE 1:1 | WT. | SHEET 1 OF 2

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REVISIONS			
LTR	DESCRIPTION	DATE	APPROVED

SPECIFICATIONS

1. RANGE: −5g TO +10g
2. THE SCALE ERROR FOR EACH READING IS NOT TO EXCEED ±0.2g AT 20°C
3. INSTRUMENTATION: 15.0 TO 28.0 VDC .12 AMPS MAX.

MATERIALS

1. COVER GLASS: SHALL BE COATED WITH A REFLECTION REDUCING FILM IN ACCORDANCE WITH MIL-C-14806
2. DIAL TEXT SHALL BE FLAT WHITE: SIMILAR TO FED-STD-595 COLOR #37875, BACKGROUND SHALL BE BLACK; SIMILAR TO FED-STD-595 COLOR #37038
3. MAIN POINTER: INDICATES REAL TIME ACCELERATION.
4. TWO AUXILIARY POINTERS ("TELL TALES"): ONE INDICATES MAX. POSITIVE ACCELERATION THE OTHER INDICATES MAX. NEGATIVE ACCELERATION BOTH PROVIDED WITH RATCHET LOCKING DEVICES ALLOWING MAX. INDICATIONS TO BE MAINTAINED UNTIL THE RESET KNOB IS DEPRESSED TO RESET THE AUXILIARY POINTERS

DESIGN CRITERIA

1. TEMPERATURE: −30°C TO +70°C
2. WEIGHT: 0.9 LBS MAX. (408 GRAMS)
3. TEST CONDITIONS- ALL VISUAL TESTS SHALL BE RESTRICTED TO THE UNAIDED EYE WITHIN A 60° CONE OF VISIBILITY AT A DISTANCE OF 18.0±2.0 INCHES, PER MIL-G-81704 PARA. 4.3.1.

DESIGN CRITERIA PER RTCA DO 160

DESCRIPTION	SECTION	CATEGORY
TEMPERATURE	4	A2
ALTITUDE	4	A2
TEMPERATURE VARIATION	5	C
OPERATIONAL SHOCKS	7	A
VIBRATION	8	R
MAGNETIC EFFECTS	15	Z
POWER INPUT	16	B
VOLTAGE SPIKES	17	B
AUDIO FREQUENCY CONDUCTED SUSCEPTIBILITY	18	B
INDUCED SIGNAL SUSCEPTIBILITY	19	BC
RF SUSCEPTIBILITY	20	S
EMISSION OF RF ENERGY	21	B
LIGHTNING INDUCED TRANSIENT SUSCEPTIBILITY	22	A3XXX
ELECTROSTATIC DISCHARGE	25	A

ITEM	QTY	DESCRIPTION	IDENT	PART NUMBER	REMARKS

LIST OF MATERIALS

NEXT ASSY	USED ON
APPLICATION	

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
DECIMALS .X ± .XX ± .XXX± FRACTIONS ± ANGLES ±

MATL:

FINISH

SIGNATURES		DATE
BY	AFS	08/03/09
CKD		
ENGR	M. PRATT	08/03/09
APPD		

QED/inc. 2920 SOUTH HALLADAY STREET SANTA ANA, CALIFORNIA 92705

TITLE ACCELEROMETER ELECTRONIC/ANALOG

SIZE B | CODE IDENT NO. 24708 | DWG NO. 3010-10-500

SCALE 1:1 | WT. .9 LB MAX. | SHEET 2 OF 2

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