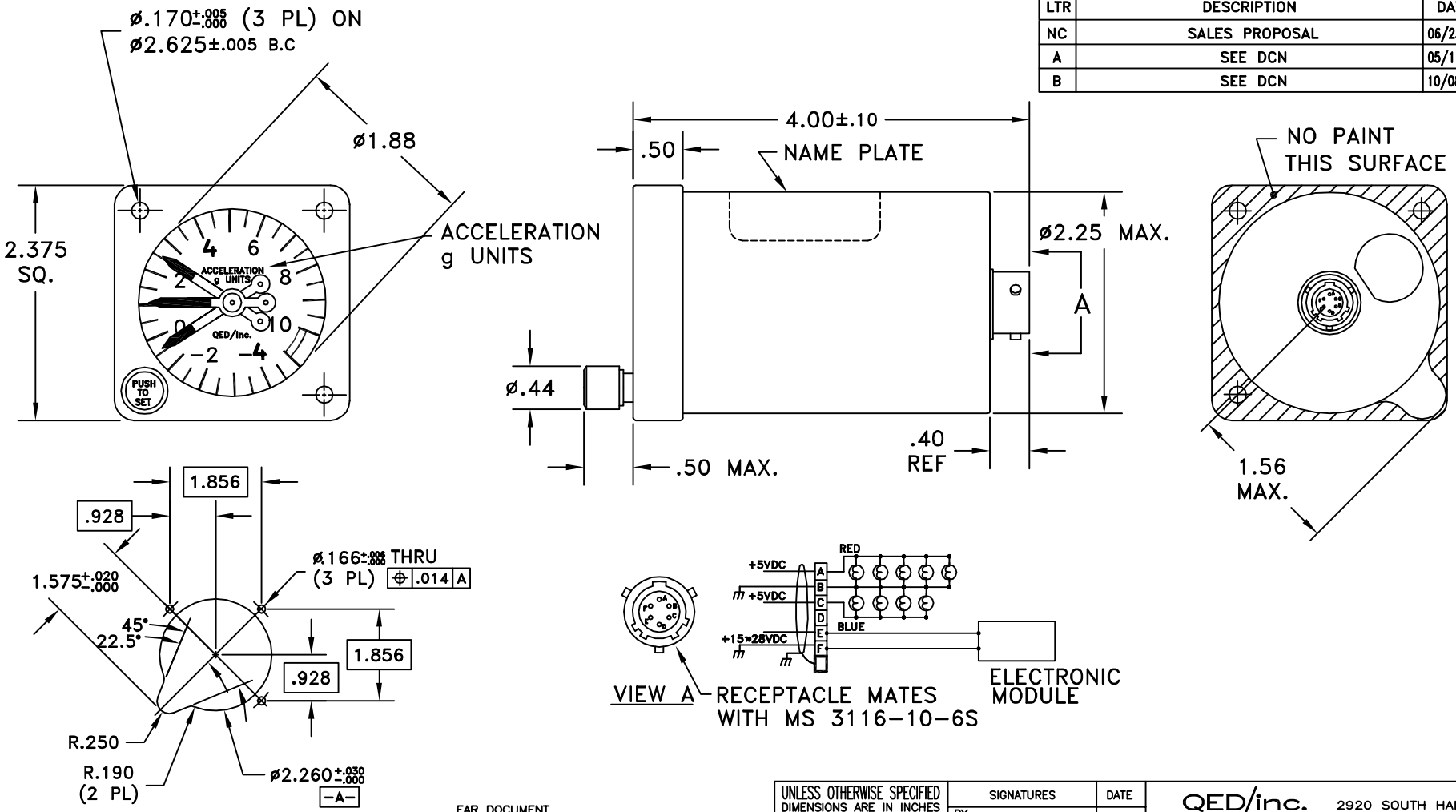
REVISIONS			
LTR	DESCRIPTION	DATE	APPROVED
NC	SALES PROPOSAL	06/23/09	MP
A	SEE DCN	05/11/10	MP
B	SEE DCN	10/08/10	MP



PANEL CUTOUT
SCALE: .5=1

NOTES

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

EAR DOCUMENT
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UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
DECIMALS: .X ±, .XX ±.016, .XXX±.005
FRACTIONS ±
ANGLES ±

MATL:

FINISH

SIGNATURES		DATE
BY	AFS	06/23/09
CKD		
ENGR	LMP	06/23/09
APPD		

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

TITLE
ACCELEROMETER ELECTRONIC/ANALOG

SIZE	CODE IDENT NO.	DWG NO.
B	24708	3010-50-500

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 ±0.1g AT ANY SPECIFIED TEST POINT AT 20°C
3. LIGHTING: 5.0 VDC MAX. .35 AMPS NOMINALY
4. INSTRUMENTATION: 15.0 TO 28.0 VDC .115 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 INDICATIONS OF ACCELERATIONS.
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: .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 ZONE 2
MAGNETIC EFFECTS	15	Z
POWER INPUT	16	Z
VOLTAGE SPIKES	17	A
AUDIO FREQUENCY CONDUCTED SUSCEPTIBILITY	18	B
INDUCED SIGNAL SUSCEPTIBILITY	19	Z
RF SUSCEPTIBILITY	20	T
EMISSION OF RF ENERGY	21	B
LIGHTNING INDUCED TRANSIENT SUSCEPTIBILITY	22	A3
ELECTROSTATIC DISCHARGE	25	AZZZ

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
DECIMALS FRACTIONS
.X ± ±
.XX ± .03 ANGLES
.XXX± .015 ±

MATL:

FINISH

SIGNATURES		DATE
BY	AFS	06/23/09
CKD		
ENGR	M. PRATT	06/23/09
APPD		

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

TITLE
ACCELEROMETER
ELECTRONIC/ANALOG

SIZE	CODE IDENT NO.	DWG NO.
B	24708	3010-50-500

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

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