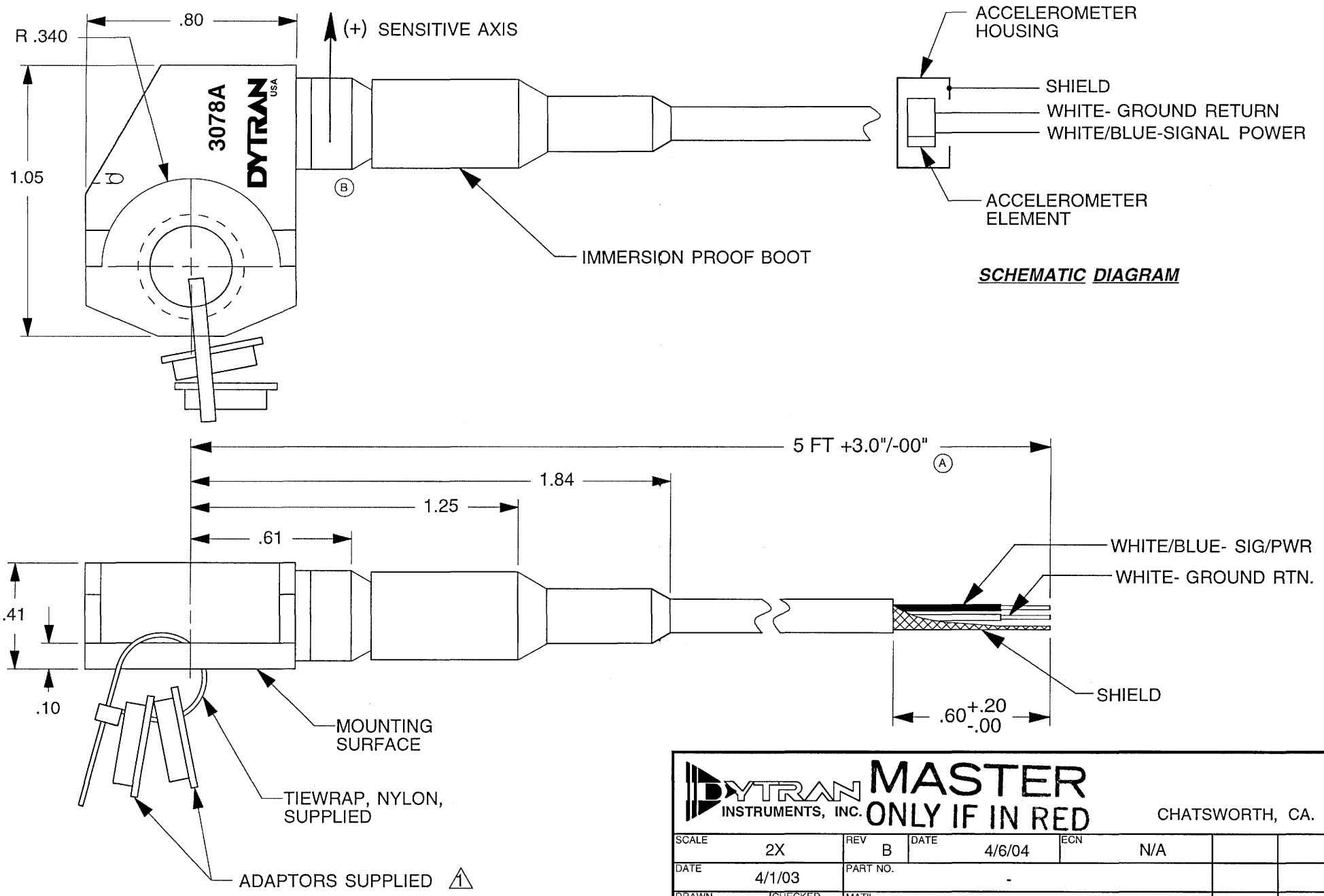

1 ADAPTER BUSHINGS SUPPLIED: (1) 6555A (Ø.250, THRU HOLE)
(1) 6555A1 (Ø.188, THRU HOLE)

DYTRAN INSTRUMENTS, INC. **MASTER** ONLY IF IN RED — CHATSWORTH, CA.

SCALE 2X	REV B	DATE 4/6/04	ECN N/A		
DATE 4/1/03	PART NO. -				
DRAWN N.C.	CHECKED R.A.	MAT'L -			
APPROVED 4-7-05	NEXT ASSEMBLY		USED ON 3078A		

TITLE: **OUTLINE INSTALLATION DRAWING, MODEL 3078A**

DWG NO. **127-3078A**

SHEET 1 OF 1

MODEL 3078A IEPE ACCELEROMETER

SPECIFICATION	VALUE	UNITS
PHYSICAL		
WEIGHT (Less cable)	20	Grams
SIZE, WIDTH x HEIGHT x LENGTH	.80 x 0.41 x 1.05	Inches
MOUNTING PROVISION, INTEGRAL BRACKET	Ø.312 thru hole with 2 bushings	
INTEGRAL CABLE, RADIALLY MOUNTED	10-32	Coaxial
CABLE LENGTH	5	Ft.
MATERIAL	300 Series	Stainless Steel
PERFORMANCE		
SENSITIVITY, ± 5% [1]	10.0	mV/G
RANGE F.S. FOR ± 5 VOLTS OUTPUT	± 500	G's
FREQUENCY RANGE, ± 10%	0.7 to 5000	Hz
RESONANT FREQUENCY	>26	kHz
EQUIVALENT ELECTRICAL NOISE FLOOR	.0014	G's RMS
LINEARITY [2]	± 1%	% F.S.
TRANSVERSE SENSITIVITY, MAX.	5	%
STRAIN SENSITIVITY	.012	G's/με @ 250 με
ENVIRONMENTAL		
MAXIMUM VIBRATION/SHOCK	600/3000	+/- G's/G's PEAK
TEMPERATURE RANGE	-60 to +250	^{o}F
SEAL, HERMETIC	welded/gtm header	
COEFFICIENT OF THERMAL SENSITIVITY	.03	%/^{o}F
ELECTRICAL		
SUPPLY CURRENT/COMPLIANCE VOLTAGE RANGE [3]	2 to 20/+18 to +30	mA/Volts
OUTPUT IMPEDANCE, TYP.	100	Ohms
BIAS VOLTAGE	+7 to +9	VDC
DISCHARGE TIME CONSTANT	0.3 to 1.5	Sec
OUTPUT SIGNAL POLARITY FOR ACCELERATION TRANSVERSE TO CABLE AXIS		Positive
ELECTRICAL ISOLATION, CASE GROUND TO MOUNTING SURFACE		10 Megohms, min.

Accessories supplied: (1) 6555A adaptor bushing, Ø.250 thru hole
(1) 6555A1 adaptor bushing, Ø.188 thru hole

[1] Measured at 100 Hz, 1 G RMS per ISA RP 37.2.
[2] Measured using zero-based best straight-line method, % of F.S. or any lesser range.
[3] Do not apply power to this device without current limiting, 20 mA MAX. To do so will destroy the integral IC amplifier.

REV D, ECN 8743, 06/20/12