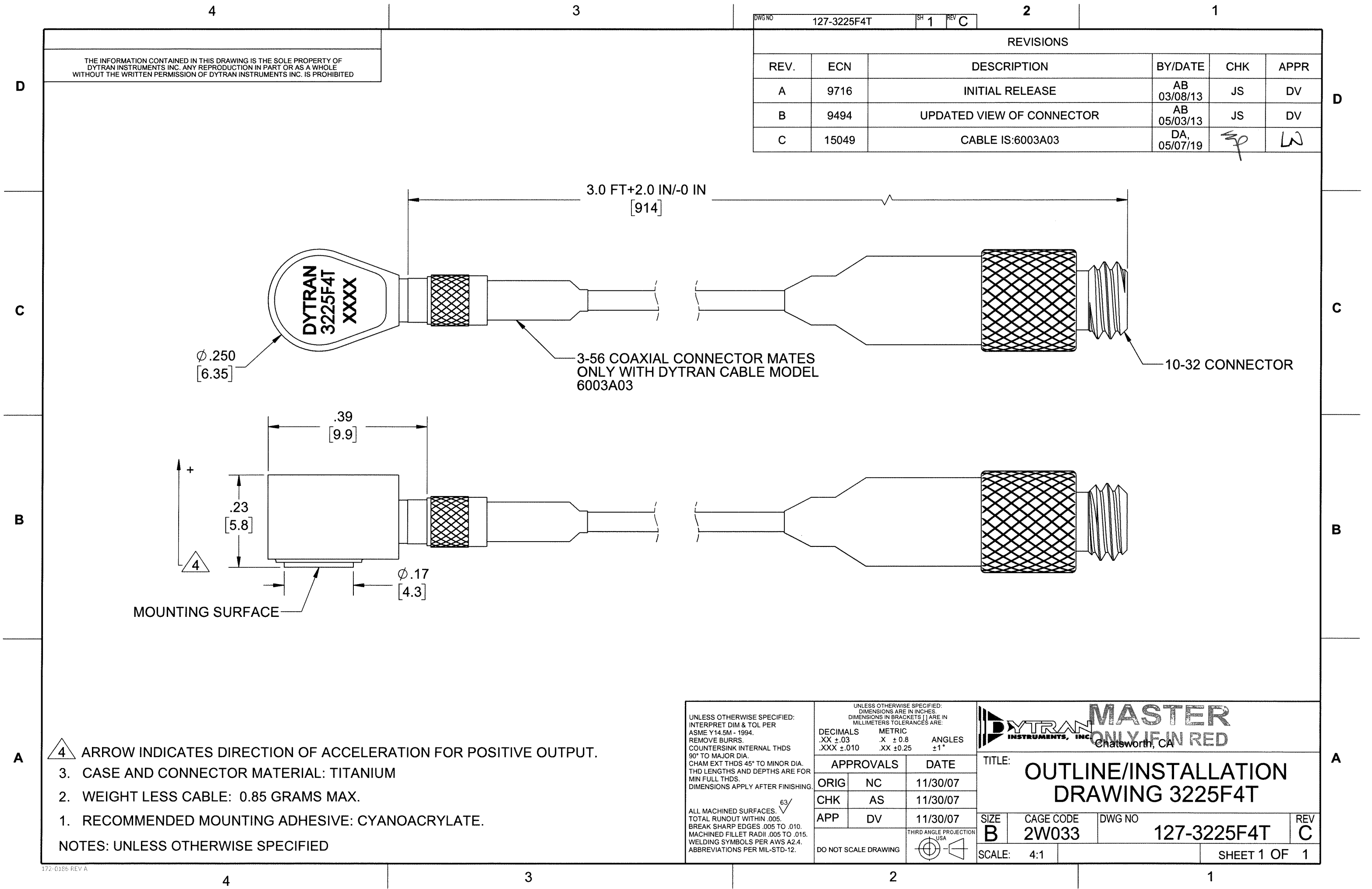




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DWG NO		127-3225F4T		SH	1	REV	C	2		1	
REVISIONS											
REV.	ECN	DESCRIPTION					BY/DATE	CHK	APPR		
A	9716	INITIAL RELEASE					AB 03/08/13	JS	DV		
B	9494	UPDATED VIEW OF CONNECTOR					AB 05/03/13	JS	DV		
C	15049	CABLE IS:6003A03					DA, 05/07/19				

UNLESS OTHERWISE SPECIFIED:
INTERPRET DIM & TOL PER
ASME Y14.5M - 1994.
REMOVE BURRS.
COUNTERSINK INTERNAL THDS
90° TO MAJOR DIA.
CHAM EXT THDS 45° TO MINOR DIA.
THD LENGTHS AND DEPTHS ARE FOR
MIN FULL THDS.
DIMENSIONS APPLY AFTER FINISHING.

ALL MACHINED SURFACES.
TOTAL RUNOUT WITHIN .005.
BREAK SHARP EDGES .005 TO .010.
MACHINED FILLET RADII .005 TO .015.
WELDING SYMBOLS PER AWS A2.4.
ABBREVIATIONS PER MIL-STD-12.

UNLESS OTHERWISE SPECIFIED:
DIMENSIONS ARE IN INCHES.
DIMENSIONS IN BRACKETS [] ARE IN
MILLIMETERS TOLERANCES ARE:

DECIMALS	METRIC	ANGLES
.XX ± .03	.X ± 0.8	± 1°
.XXX ± .010	.XX ± 0.25	

APPROVALS		DATE
ORIG	NC	11/30/07
CHK	AS	11/30/07
APP	DV	11/30/07

DO NOT SCALE DRAWING

THIRD ANGLE PROJECTION
USA

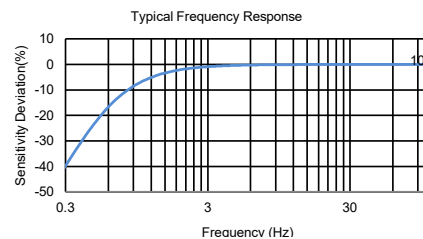
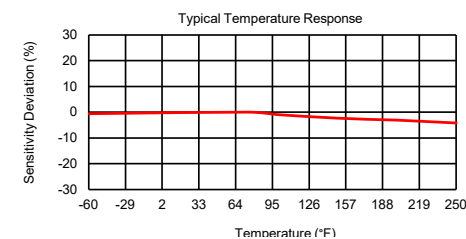
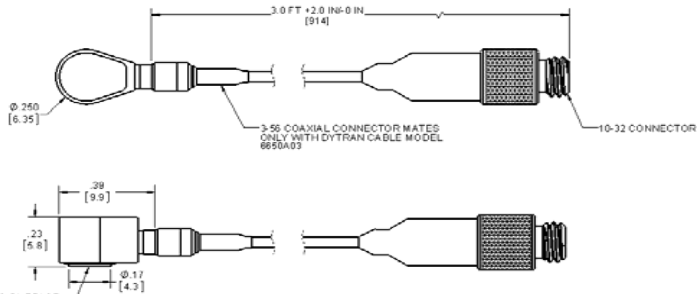
MASTER
INSTRUMENTS, INC. ONLY IF IN RED
Chatsworth, CA

TITLE: **OUTLINE/INSTALLATION
DRAWING 3225F4T**

SIZE B	CAGE CODE 2W033	DWG NO 127-3225F4T	REV C
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SCALE: 4:1

SHEET 1 OF 1

MODEL NUMBER 3225F4T		PERFORMANCE SPECIFICATION				DOC NO. PS3225F4T																									
		ACCELEROMETER, IEPE				REV J, ECN 15845, 07/15/20																									
		• MINIATURE SIZE • REMOVABLE CABLE WITH 10-32 CONNECTOR • TEDS FEATURE				This family also includes: <table><tr><th>Model</th><th>Sensitivity (mV/g)</th><th>Range (g's)</th><th>Resolution (Grms)</th><th>Oper. Temp(°F)</th><th>TC</th></tr><tr><td>3225F1T</td><td>10</td><td>500</td><td>0.007</td><td>-60 TO +250</td><td>0.3 TO 0.6</td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td></tr></table>		Model	Sensitivity (mV/g)	Range (g's)	Resolution (Grms)	Oper. Temp(°F)	TC	3225F1T	10	500	0.007	-60 TO +250	0.3 TO 0.6												
Model	Sensitivity (mV/g)	Range (g's)	Resolution (Grms)	Oper. Temp(°F)	TC																										
3225F1T	10	500	0.007	-60 TO +250	0.3 TO 0.6																										
		Refer to the performance specifications of the products in this family for detailed description.																													
		Supplied Accessories 1) Model 6591A installation wrench 2) Model 6298 small petro mounting wax 3) Accredited calibration certificate (ISO 17025)																													
		Notes: [1] Flat mounting surface for adhesive mount. [2] Mates with Dytran cable 6650A03 [3] Measured at 100 Hz, 1 grms per ISA RP37.2. [4] Percent of full scale or any lesser range, zero based best-fit straight line method. [5] Do not apply power to this device without current limiting, 20mA max, to do so will destroy the integral IC amplifier [6] In the interest of constant product improvement, we reserve the rights to change the specifications without notice. It is the customer's responsibility to validate that a particular product with the properties described in the product specification is suitable for use in a particular application. Parameters provided in datasheets and / or specifications may vary in different applications and performance may vary overtime. All operating parameters, including typical parameters, must be validated for each customer application by the customer's technical experts. [7] Typical. Not to exceed 0.100 Grms [0.098 m/s²].																													
PHYSICAL		ENGLISH		SI																											
Weight, Max	(Less Cable)	0.03	oz	0.85	grams																										
Mounting Provision		[1]		[1]																											
Connector	Radially Mounted	3-56		3-56																											
Cable Length		36	Inches	914	mm																										
Case Material		Titanium		Titanium																											
Sensing Element	Material	Quartz		Quartz																											
	Mode	Shear		Shear																											
PERFORMANCE																															
Sensitivity, ± 10% [3]		1	mV/g	0.10	mV/m/s ²																										
Range F.S For ± 5 Volts Out		± 5000	g's	± 49,050	m/s ²																										
Frequency Response, +/- 10%		1.0 to 10000	Hz	1.0 to 10000	Hz																										
Mounted Resonant Frequency		> 60	kHz	> 60	kHz																										
Amplitude Non-Linearity [4]		2	%F.S	2	%F.S																										
Transverse Sensitivity, Max		5	%	5	%																										
Noise Resolution [7]		0.070	grms	0.69	m/s ² rms																										
Strain Sensitivity @250/μϵ		0.0005	g/μϵ	0.0049	m/s ² /μϵ																										
ENVIRONMENTAL																															
Maximum Vibration		7000	Grms	68600	m/s ² rms																										
Maximum Shock		6000	Gpeak	58800	m/s ² peak																										
Temperature Range		-60 to +250	°F	-51 to +121	°C																										
TEDS Operating Temp.		-40 to +185	°F	-40 to +85	°C																										
Environmental Seal		Hermetic		Hermetic																											
ELECTRICAL																															
Supply Current/Compliance Voltage Range [5]		2 to 20/+18 to +30	mA/Volts	2 to 20/+18 to +30	mA/Volts																										
Output Impedance, TYP		100	Ω	100	Ω																										
Bias Voltage		+7 to +9	VDC	+7 to +9	VDC																										
Discharge Time Constant		0.4 to 1.5	Sec	0.4 to 1.5	Sec																										
TEDS Feature		IEEE 1451.4		IEEE 1451.4																											
		  																													
		Units on the line drawing are in inches, units in brackets are in millimeters. Refer to 127-3225F4T for more information.																													



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