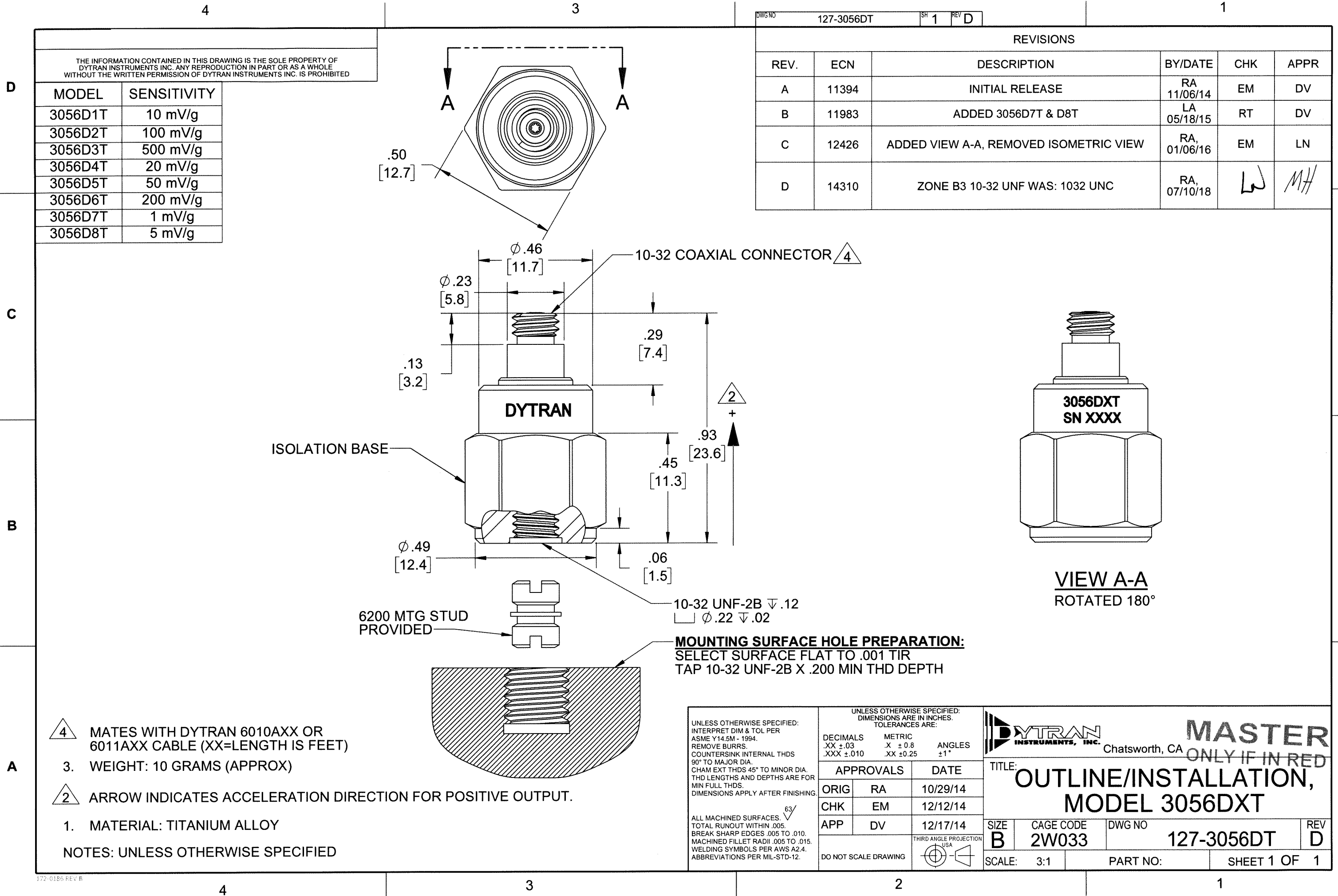




THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF DYTRAN INSTRUMENTS INC. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF DYTRAN INSTRUMENTS INC. IS PROHIBITED

MODEL	SENSITIVITY
3056D1T	10 mV/g
3056D2T	100 mV/g
3056D3T	500 mV/g
3056D4T	20 mV/g
3056D5T	50 mV/g
3056D6T	200 mV/g
3056D7T	1 mV/g
3056D8T	5 mV/g

REVISIONS					
REV.	ECN	DESCRIPTION	BY/DATE	CHK	APPR
A	11394	INITIAL RELEASE	RA 11/06/14	EM	DV
B	11983	ADDED 3056D7T & D8T	LA 05/18/15	RT	DV
C	12426	ADDED VIEW A-A, REMOVED ISOMETRIC VIEW	RA, 01/06/16	EM	LN
D	14310	ZONE B3 10-32 UNF WAS: 1032 UNC	RA, 07/10/18	W	MH

- 4

MATES WITH DYTRAN 6010AXX OR 6011AXX CABLE (XX=LENGTH IS FEET)
3.

WEIGHT: 10 GRAMS (APPROX)
- 2

ARROW INDICATES ACCELERATION DIRECTION FOR POSITIVE OUTPUT.
1.

MATERIAL: TITANIUM ALLOY
- NOTES: UNLESS OTHERWISE SPECIFIED

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.

UNLESS OTHERWISE SPECIFIED:
DIMENSIONS ARE IN INCHES.
TOLERANCES ARE:
DECIMALS
.XX ±.03
.XXX ±.010
METRIC
.X ± 0.8
.XX ±0.25
ANGLES
±1°

APPROVALS

DATE

ORIG

RA

10/29/14

CHK

EM

12/12/14

APP

DV

12/17/14

DO NOT SCALE DRAWING

THIRD ANGLE PROJECTION
USA

DYTRAN
INSTRUMENTS, INC.

Chatsworth, CA

MASTER
ONLY IF IN RED

TITLE:
OUTLINE/INSTALLATION,
MODEL 3056DXT

SIZE
B

CAGE CODE
2W033

DWG NO
127-3056DT

REV
D

SCALE: 3:1

PART NO:

SHEET 1 OF 1

Model Number 3056D8T		PERFORMANCE SPECIFICATIONS				DOC NO PS3056D8T				
		IEPE ACCELEROMETER			REV F, ECN 16090, 03/02/21					
	• HERMETICALLY SEALED • BASE ISOLATED • TEDS					This family also includes:				
						Model	Sensitivity (mV/g)	Frequency Response (Hz)	Time Constant (Sec)	Operating Temp (°F)
						3056D1T	10	1 to 10000	0.5 to 1.5	-60 to +250
						3056D2T	100	1 to 10000	0.5 to 1.5	-60 to +250
						3056D3T	500	1 to 10000	0.5 to 1.5	-60 to +225
						3056D4T	20	1 to 10000	0.5 to 1.5	-60 to +250
						3056D5T	50	1 to 10000	0.5 to 1.5	-60 to +250
						3056D6T	200	1 to 10000	0.5 to 1.5	-60 to +225
						3056D7T	1	1 to 10000	0.5 to 1.5	-60 to +250
						Refer to the performance specifications of the products in this family for detailed description				
Supplied Accessories:										
1) Accredited calibration certificate (ISO 17025)										
2) Model 6200 mounting stud, QTY 1										
Notes:										
[1] Measured at 100Hz, 1 g RMS per ISA RP 37.2.										
[2] Measured using zero-based straight line method, % of F.S. or any lesser range.										
[3] Do not apply power to this system without current limiting, 20 mA MAX. To do so will destroy the IC charge amplifier.										
[4] In the interest of constant product improvement, we reserve the right to change 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.										
PHYSICAL		ENGLISH				SI				
Weight		0.35	oz		10	grams				
Connector	Type	10-32			10-32					
Mounting Provision	Tapped Hole	10-32 X .150 ↓			10-32 X .150 ↓					
Material, Housing/Connector		Titanium			Titanium					
Sensing Element		Ceramic			Ceramic					
Element Style		Planar Shear			Planar Shear					
PERFORMANCE										
Sensitivity, ±5% [1]		5	mV/G		0.5	mV/m/s²				
Range for ± 5 Volts Output		1,000	g pk		9810	m/s² pk				
Frequency Response, ±10%		1 to 10,000	Hz		1 to 10,000	Hz				
Resonant Frequency		> 36	kHz		> 36	kHz				
Broad Band Resolution		0.008	g RMS		0.08	m/s² RMS				
Linearity [2]		±1	% F.S.		±1	% F.S.				
Maximum Transverse Sensitivity		5	%		5	%				
Strain Sensitivity @ 250µε		0.001	G/µε		0.01	m/s²/µε				
ENVIRONMENTAL										
Maximum Shock		5000	g pk		49050	m/s² pk				
Operating Temperature Range		-607to +225	°F		-55 to +107	°C				
TEDS Operating Temperature		-40 to +185	°F		-40 to +85	°C				
Seal		HERMETIC			HERMETIC					
ELECTRICAL										
Supply Current Range [3]		2 to 20	mA		2 to 20	mA				
Compliance Voltage Range		+18 to +30	Volts		+18 to +30	Volts				
Output Impedence,Typ		100	Ω		100	Ω				
Bias Voltage		+9 to +13	VDC		+9 to +13	VDC				
Discharge Time Constant		.5 to 1.5	Sec		.5 to 1.5	Sec				
Electrical Isolation		10	GΩ,min		10	GΩ,min				
TEDS		IEEE 1451.4			IEEE 1451.4					

