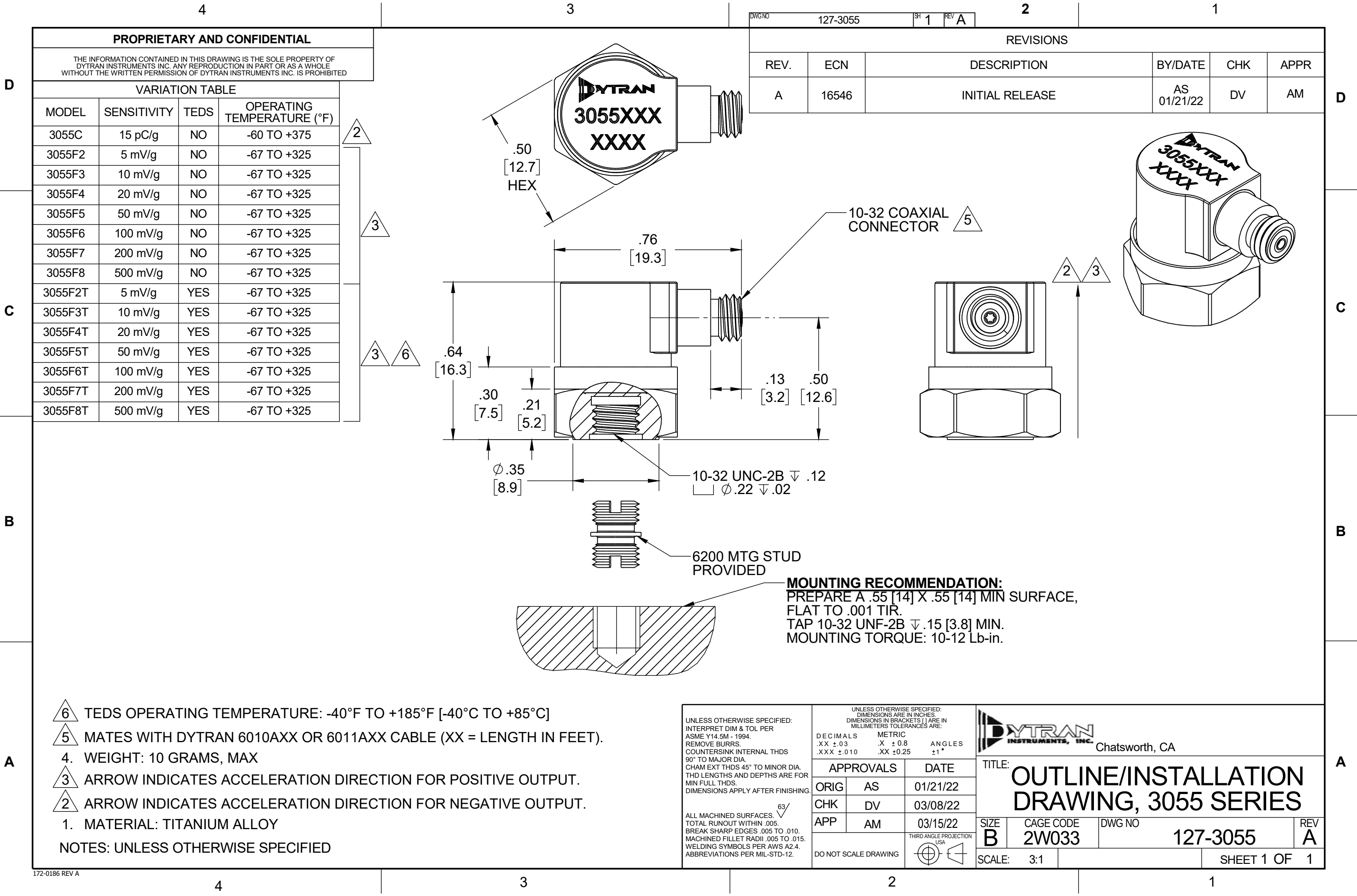




PROPRIETARY AND CONFIDENTIAL

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VARIATION TABLE

MODEL	SENSITIVITY	TEDS	OPERATING TEMPERATURE (°F)
3055C	15 pC/g	NO	-60 TO +375
3055F2	5 mV/g	NO	-67 TO +325
3055F3	10 mV/g	NO	-67 TO +325
3055F4	20 mV/g	NO	-67 TO +325
3055F5	50 mV/g	NO	-67 TO +325
3055F6	100 mV/g	NO	-67 TO +325
3055F7	200 mV/g	NO	-67 TO +325
3055F8	500 mV/g	NO	-67 TO +325
3055F2T	5 mV/g	YES	-67 TO +325
3055F3T	10 mV/g	YES	-67 TO +325
3055F4T	20 mV/g	YES	-67 TO +325
3055F5T	50 mV/g	YES	-67 TO +325
3055F6T	100 mV/g	YES	-67 TO +325
3055F7T	200 mV/g	YES	-67 TO +325
3055F8T	500 mV/g	YES	-67 TO +325

REVISIONS

REV.	ECN	DESCRIPTION	BY/DATE	CHK	APPR
A	16546	INITIAL RELEASE	AS 01/21/22	DV	AM

- 6 TEDS OPERATING TEMPERATURE: -40°F TO +185°F [-40°C TO +85°C]
- 5 MATES WITH DYTRAN 6010AXX OR 6011AXX CABLE (XX = LENGTH IN FEET).
4. WEIGHT: 10 GRAMS, MAX
- 3 ARROW INDICATES ACCELERATION DIRECTION FOR POSITIVE OUTPUT.
- 2 ARROW INDICATES ACCELERATION DIRECTION FOR NEGATIVE 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.

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 $\pm$.03	.X $\pm$ 0.8	$\pm$ 1°
.XXX $\pm$.010	.XX $\pm$ 0.25	

APPROVALS		DATE
ORIG	AS	01/21/22
CHK	DV	03/08/22
APP	AM	03/15/22

DO NOT SCALE DRAWING

THIRD ANGLE PROJECTION
USA



TITLE: **OUTLINE/INSTALLATION
DRAWING, 3055 SERIES**

SIZE	CAGE CODE	DWG NO	REV
B	2W033	127-3055	A

SCALE: 3:1 SHEET 1 OF 1

Model Number 3055F3T		PERFORMANCE SPECIFICATIONS				DOC NO PS3055F3T	
		IEPE ACCELEROMETER				REV A, ECN 16546, 01/24/2022	
		• HIGH TEMPERATURE • BASE ISOLATED • IDEAL LOW FREQUENCY RESPONSE • HERMETICALLY SEALED • TEDS FEATURE					
		ENGLISH		SI			
PHYSICAL Weight Connector Mounting Provision Material, Housing/Connector Sensing Element Element Style		0.35 oz		10.0 grams			
		10-32		10-32			
		10-32 X .150 I		10-32 X .150 I			
		Titanium		Titanium			
		Ceramic		Ceramic			
		Planar Shear		Planar Shear			
PERFORMANCE Sensitivity, ±5% [2] Range for ± 5 Volts Output Frequency Response, ±5% Frequency Response, ±10% Resonant Frequency Broad Band Resolution Linearity [3] Maximum Transverse sensitivity Strain Sensitivity @ 250µε		10 mV/g		1.02 mV/m/s ²			
		500 g pk		4,900 m/s ² pk			
		1 to 5,000 Hz		1 to 5,000 Hz			
		1 to 10,000 Hz		1 to 10,000 Hz			
		> 35 kHz		> 35 kHz			
		0.0040 g RMS		0.0392 m/s ² RMS			
		± 1 % F.S.		± 1 % F.S.			
		5 %		5 %			
		0.002 g/µε		0.02 m/s ² /µε			
ENVIRONMENTAL Maximum Shock Temperature Range TEDS Operating Temperature Range Seal		1,000 g pk		9800 m/s ² pk			
		-67 to +325 °F		-55 to +163 °C			
		-40 to +185 °F		-40 to +85 °C			
		Hermetic		Hermetic			
ELECTRICAL Supply Current Range [4] Compliance Voltage Range Output Impedance, Typ Bias Voltage Discharge Time Constant Electrical Isolation TEDS Feature		2 to 20 mA		2 to 20 mA			
		+18 to +30 Volts		+18 to +30 Volts			
		100 Ω		100 Ω			
		+9 to +14 VDC		+9 to +14 VDC			
		0.5 to 1.5 Sec		0.5 to 1.5 Sec			
		10 GΩ, min		10 GΩ, min			
		IEEE 1451.5		IEEE 1451.5			



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