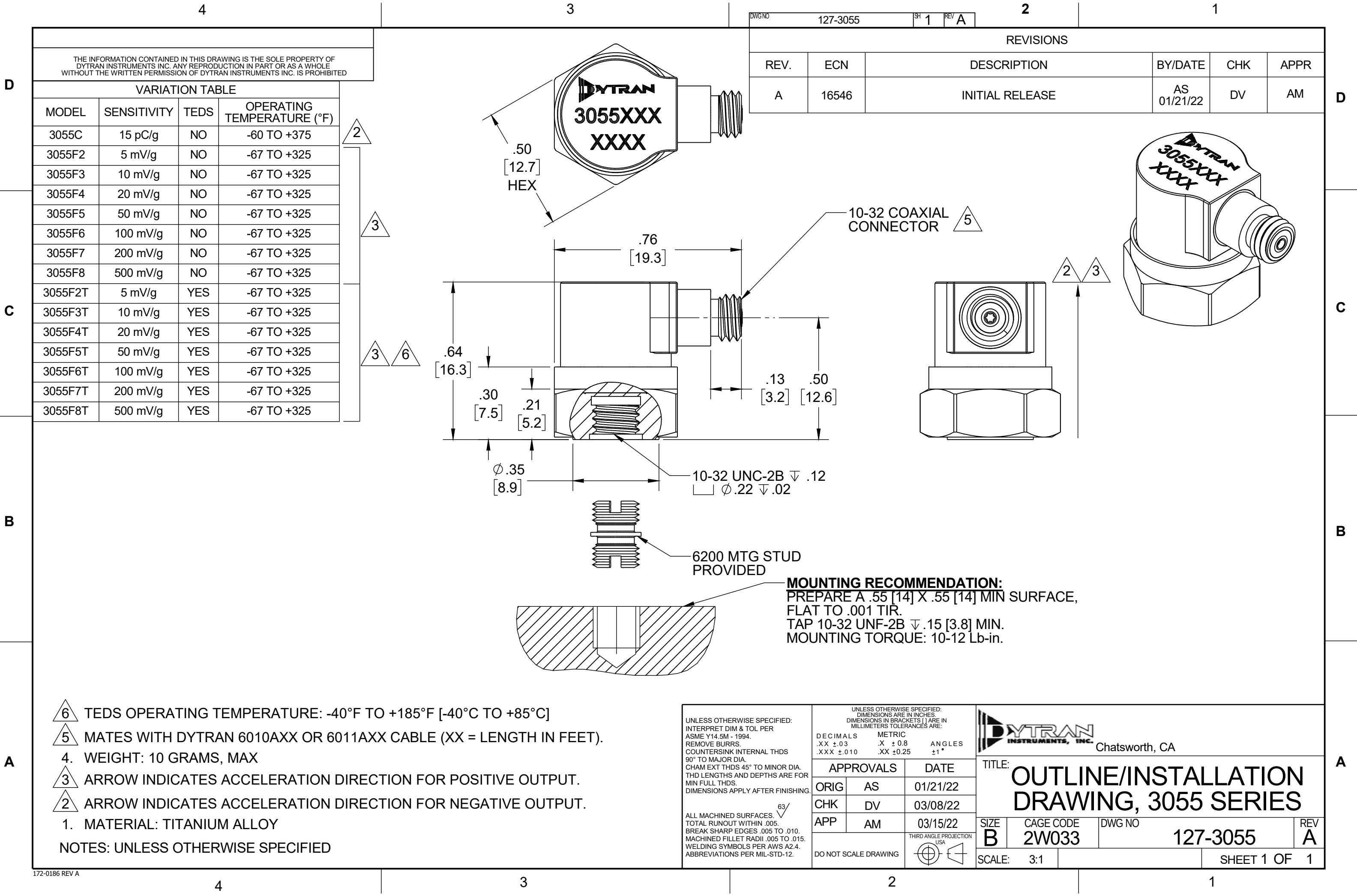




- 6 TEDS OPERATING TEMPERATURE: -40°F TO +185°F [-40°C TO +85°C]
- 5 MATES WITH DYTRAN 6010AXX OR 6011AXX CABLE (XX = LENGTH IN FEET).
4. WEIGHT: 10 GRAMS, MAX
- 3 ARROW INDICATES ACCELERATION DIRECTION FOR POSITIVE OUTPUT.
- 2 ARROW INDICATES ACCELERATION DIRECTION FOR NEGATIVE OUTPUT.
1. MATERIAL: 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 ±.03	.X ±0.8	±1°
.XXX ±.010	.XX ±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

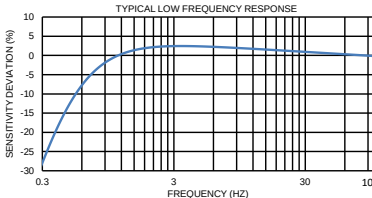
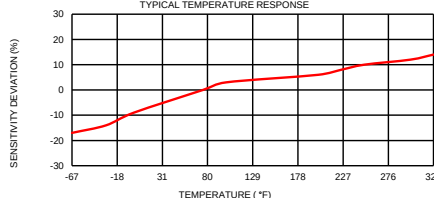
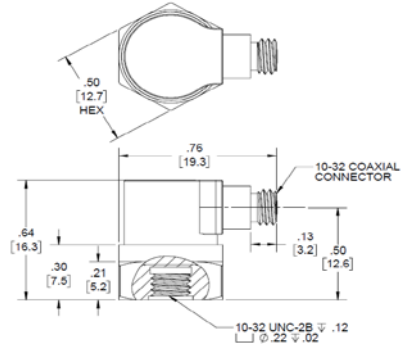
DYTRAN
INSTRUMENTS, INC. Chatsworth, CA

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 3055F3		PERFORMANCE SPECIFICATIONS				DOC NO PS3055F3																																				
		IEPE ACCELEROMETER				REV B, ECN 17467, 06/10/24																																				
		• HIGH TEMPERATURE • BASE ISOLATED • IDEAL LOW FREQUENCY RESPONSE • HERMETICALLY SEALED																																								
		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																																			
		0.0015		g RMS	0.0147		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 Seal		1,000		g pk	9800		m/s ² pk																																			
		-67 to +325		°F	-55 to +163		°C																																			
		Hermetic			Hermetic																																					
ELECTRICAL Supply Current Range [4] Compliance Voltage Range Output Impedance, Typ Bias Voltage Discharge Time Constant Electrical Isolation		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																																			
		This family also includes:																																								
		<table><tr><th>Model</th><th>Sensitivity (mV/g)</th><th>Frequency Response, ±10% (Hz)</th><th>Time Constant (Sec)</th><th>Operating Temp (°F)</th></tr><tr><td>3055F2</td><td>5</td><td>1 to 10,000</td><td>0.5 to 1.5</td><td>-67 to +325</td></tr><tr><td>3055F4</td><td>20</td><td>1 to 10,000</td><td>0.5 to 1.5</td><td>-67 to +325</td></tr><tr><td>3055F5</td><td>50</td><td>1 to 10,000</td><td>0.5 to 1.5</td><td>-67 to +325</td></tr><tr><td>3055F6</td><td>100</td><td>1 to 10,000</td><td>0.5 to 1.5</td><td>-67 to +325</td></tr><tr><td>3055F7</td><td>200</td><td>1 to 10,000</td><td>0.5 to 1.5</td><td>-67 to +325</td></tr><tr><td>3055F8</td><td>500</td><td>1 to 10,000</td><td>0.5 to 1.5</td><td>-67 to +325</td></tr></table>						Model	Sensitivity (mV/g)	Frequency Response, ±10% (Hz)	Time Constant (Sec)	Operating Temp (°F)	3055F2	5	1 to 10,000	0.5 to 1.5	-67 to +325	3055F4	20	1 to 10,000	0.5 to 1.5	-67 to +325	3055F5	50	1 to 10,000	0.5 to 1.5	-67 to +325	3055F6	100	1 to 10,000	0.5 to 1.5	-67 to +325	3055F7	200	1 to 10,000	0.5 to 1.5	-67 to +325	3055F8	500	1 to 10,000	0.5 to 1.5	-67 to +325
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		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] All specifications are at room temperature unless otherwise specified. [2] Measured at 100 Hz [3] Measure using zero-based straight line method, % of F.S. or any lesser range. [4] Do not apply power to this system without current limiting, 20 mA MAX. To do so will destroy the IC charge amplifier. [5] 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 over time. All operating parameters, including typical parameters, must be validated for each customer application by the customer's technical experts.																																								
		  																																								
		Units on the line drawing are in inches, units in brackets are in millimeters. Refer to 127-3055 for more information.																																								



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