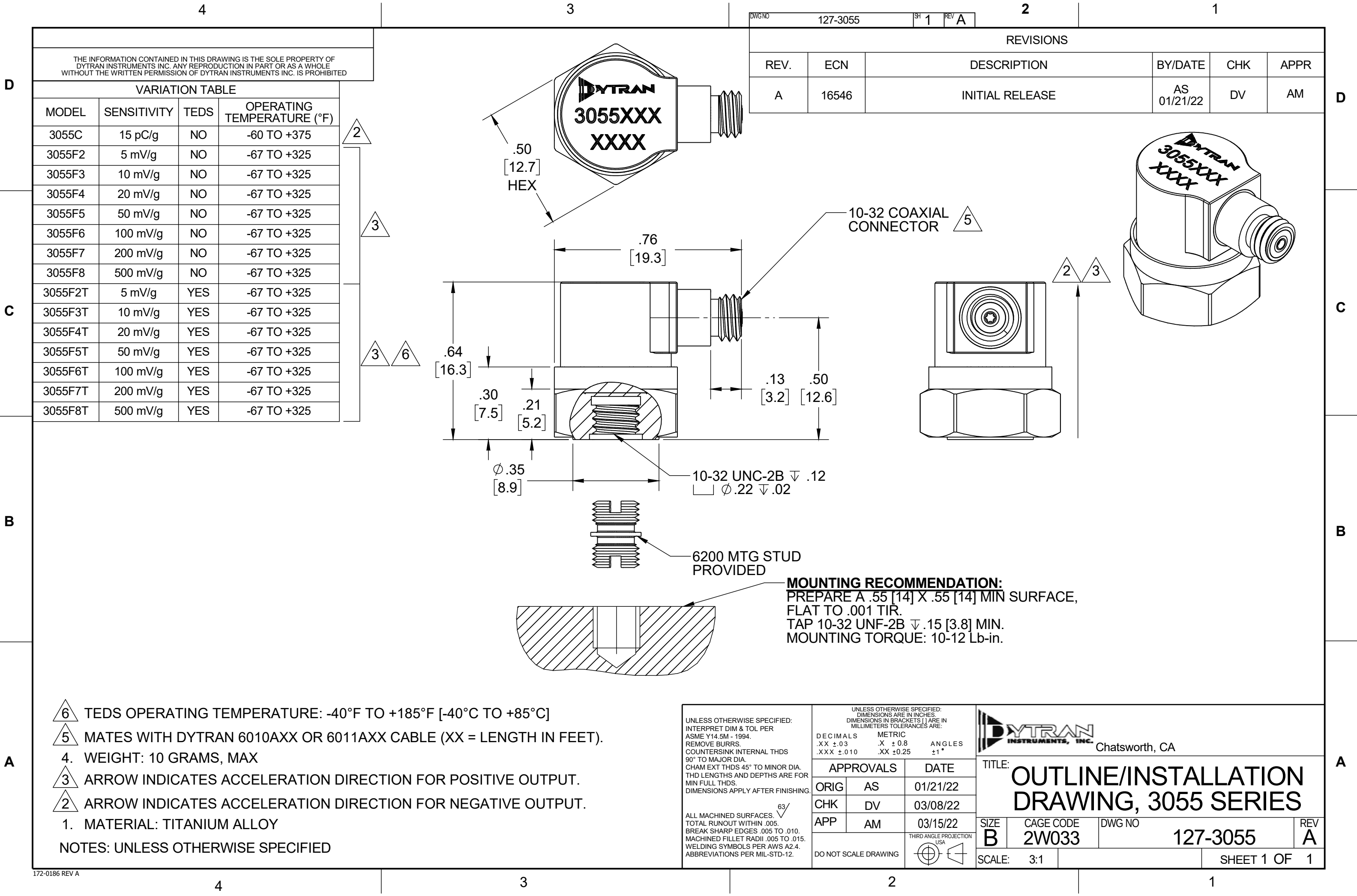




- 6 TEDS OPERATING TEMPERATURE: -40°F TO +185°F [-40°C TO +85°C]
- 5 MATES WITH DYTRAN 6010AXX OR 6011AXX CABLE (XX = LENGTH IN FEET).
4. WEIGHT: 10 GRAMS, MAX
- 3 ARROW INDICATES ACCELERATION DIRECTION FOR POSITIVE OUTPUT.
- 2 ARROW INDICATES ACCELERATION DIRECTION FOR NEGATIVE OUTPUT.

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

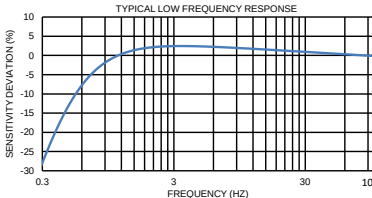
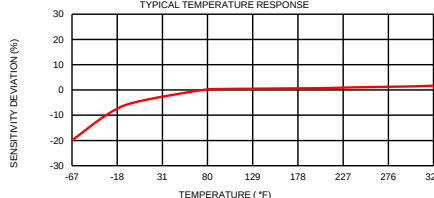
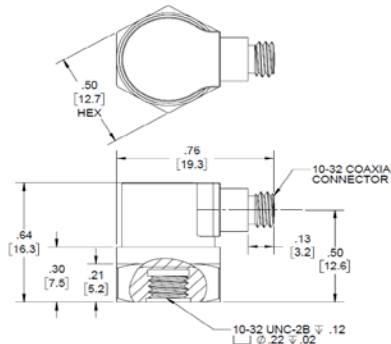
DYTRAN
INSTRUMENTS, INC. Chatsworth, CA

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 3055F6		PERFORMANCE SPECIFICATIONS				DOC NO PS3055F6																																				
		IEPE ACCELEROMETER				REV B, ECN 17467, 06/10/24																																				
		• HIGH TEMPERATURE • BASE ISOLATED • IDEAL LOW FREQUENCY RESPONSE • HERMETICALLY SEALED				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>3055F3</td><td>10</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>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	3055F3	10	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	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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PHYSICAL Weight Connector Mounting Provision Material, Housing/Connector Sensing Element Element Style		Type Tapped Hole	Refer to the performance specifications of the products in this family for detailed description																																							
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		<table><tr><th colspan="2">ENGLISH</th><th colspan="2">SI</th></tr><tr><td>0.35</td><td>oz</td><td>10.0</td><td>grams</td></tr><tr><td>10-32</td><td></td><td>10-32</td><td></td></tr><tr><td>10-32 X .150 I</td><td></td><td>10-32 X .150 I</td><td></td></tr><tr><td>Titanium</td><td></td><td>Titanium</td><td></td></tr><tr><td>Ceramic</td><td></td><td>Ceramic</td><td></td></tr><tr><td>Planar Shear</td><td></td><td>Planar Shear</td><td></td></tr></table>				ENGLISH		SI		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										
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ELECTRICAL Supply Current Range [4] Compliance Voltage Range Output Impedance, Typ Bias Voltage Discharge Time Constant Electrical Isolation		<table><tr><td>1,000</td><td>g pk</td><td>9800</td><td>m/s² pk</td></tr><tr><td>-67 to +325</td><td>°F</td><td>-55 to +163</td><td>°C</td></tr><tr><td>Hermetic</td><td></td><td>Hermetic</td><td></td></tr></table>				1,000	g pk	9800	m/s ² pk	-67 to +325	°F	-55 to +163	°C	Hermetic		Hermetic																										
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<table><tr><td>2 to 20</td><td>mA</td><td>2 to 20</td><td>mA</td></tr><tr><td>+18 to +30</td><td>Volts</td><td>+18 to +30</td><td>Volts</td></tr><tr><td>100</td><td>Ω</td><td>100</td><td>Ω</td></tr><tr><td>+9 to +14</td><td>VDC</td><td>+9 to +14</td><td>VDC</td></tr><tr><td>0.5 to 1.5</td><td>Sec</td><td>0.5 to 1.5</td><td>Sec</td></tr><tr><td>10</td><td>GΩ, min</td><td>10</td><td>GΩ, min</td></tr></table>		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	Typical Low Frequency Response  Typical Temperature Response  Mechanical Drawing  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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