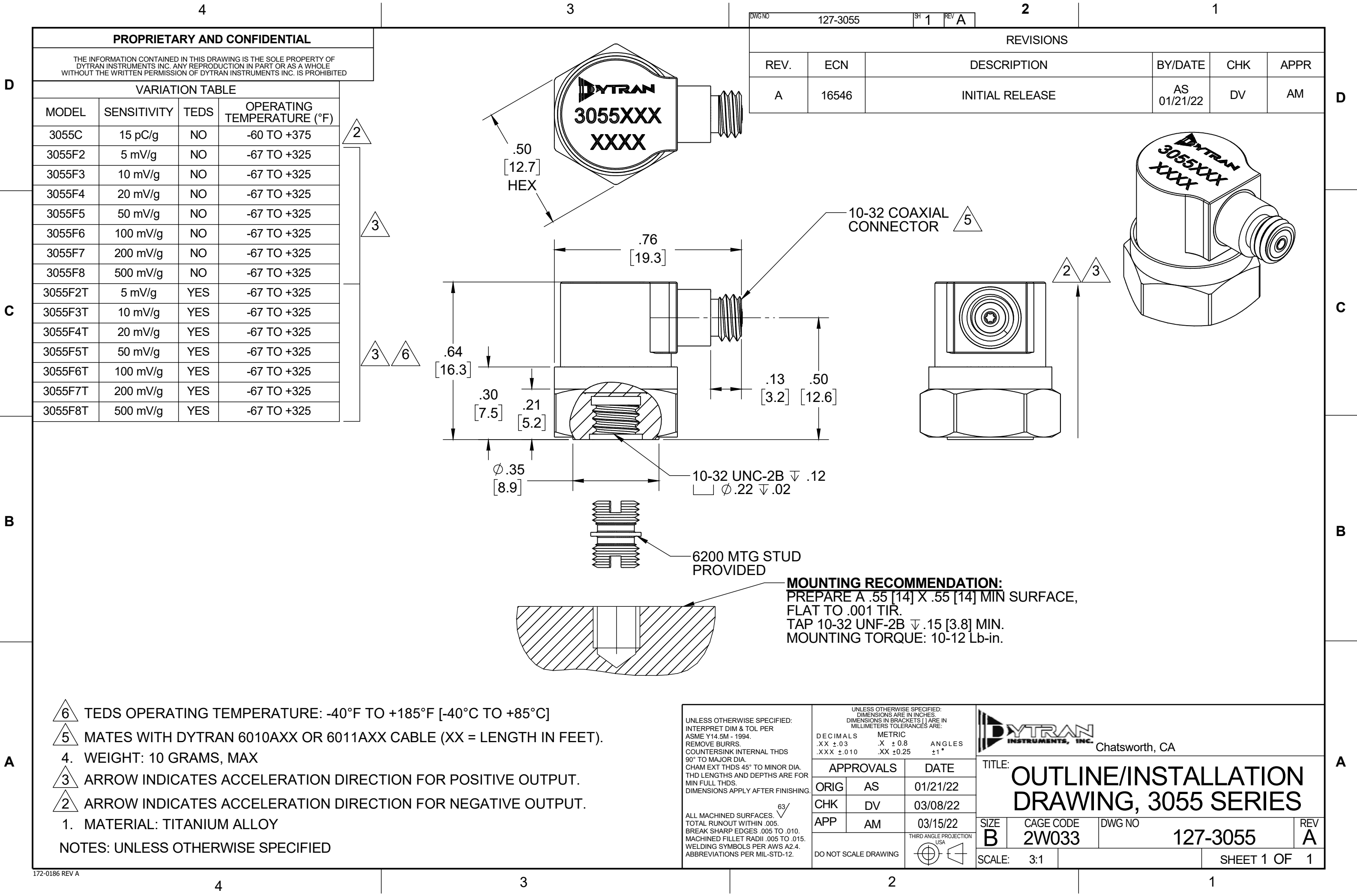




PROPRIETARY AND CONFIDENTIAL

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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

DWGNO		127-3055		SH	1	REV	A	2		1	
REVISIONS											
REV.	ECN	DESCRIPTION					BY/DATE	CHK	APPR		
A	16546	INITIAL RELEASE					AS 01/21/22	DV	AM		

MOUNTING RECOMMENDATION:
PREPARE A .55 [14] X .55 [14] MIN SURFACE, FLAT TO .001 TIR.
TAP 10-32 UNF-2B ∇ .15 [3.8] MIN.
MOUNTING TORQUE: 10-12 Lb-in.

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	

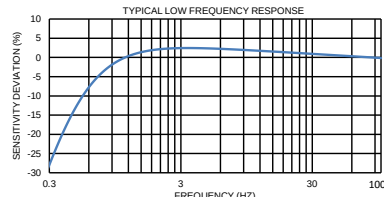
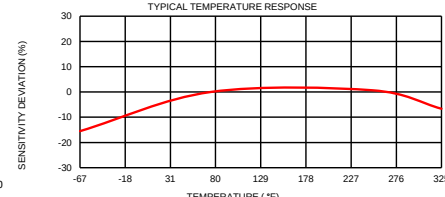
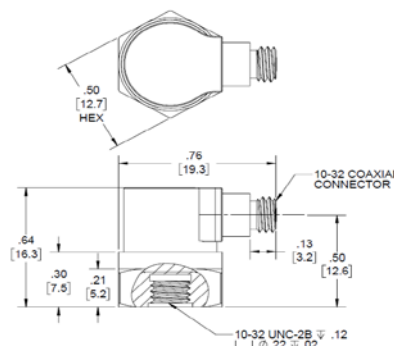
APPROVALS		DATE
ORIG	AS	01/21/22
CHK	DV	03/08/22
APP	AM	03/15/22
DO NOT SCALE DRAWING		THIRD ANGLE PROJECTION USA

DYTRAN
INSTRUMENTS, INC. Chatsworth, CA

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

SIZE B	CAGE CODE 2W033	DWG NO 127-3055	REV A
SCALE: 3:1			SHEET 1 OF 1

- 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

Model Number 3055F7T		PERFORMANCE SPECIFICATIONS				DOC NO PS3055F7T																																				
		IEPE ACCELEROMETER				REV A, ECN 16546, 01/24/2022																																				
		• HIGH TEMPERATURE • BASE ISOLATED • IDEAL LOW FREQUENCY RESPONSE • HERMETICALLY SEALED • TEDS FEATURE				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>3055F2T</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>3055F3T</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>3055F4T</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>3055F5T</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>3055F6T</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>3055F8T</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)	3055F2T	5	1 to 10,000	0.5 to 1.5	-67 to +325	3055F3T	10	1 to 10,000	0.5 to 1.5	-67 to +325	3055F4T	20	1 to 10,000	0.5 to 1.5	-67 to +325	3055F5T	50	1 to 10,000	0.5 to 1.5	-67 to +325	3055F6T	100	1 to 10,000	0.5 to 1.5	-67 to +325	3055F8T	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																																								
PHYSICAL Weight Connector Mounting Provision Material, Housing/Connector Sensing Element Element Style		Type Tapped Hole																																								
		ENGLISH		SI																																						
		0.35 10-32 10-32 X .150 ↓ Titanium Ceramic Planar Shear		oz grams 10.0 10-32 10-32 X .150 ↓ Titanium Ceramic 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		200 25 1 to 5,000 1 to 10,000 > 35 0.0040 ± 1 5 0.002		mV/g g pk Hz Hz kHz g RMS % F.S. % g/µε		20.41 245 1 to 5,000 1 to 10,000 > 35 0.0392 ± 1 5 0.02 mV/m/s ² m/s ² pk Hz Hz kHz m/s ² RMS % F.S. % m/s ² /µε																																				
ENVIRONMENTAL Maximum Shock Temperature Range TEDS Operating Temperature Range Seal		1,000 -67 to +325 -40 to +185 Hermetic		g pk °F °F		9800 -55 to +163 -40 to +85 °C °C Hermetic																																				
ELECTRICAL Supply Current Range [4] Compliance Voltage Range Output Impedance, Typ Bias Voltage Discharge Time Constant Electrical Isolation TEDS Feature		2 to 20 +18 to +30 100 +9 to +14 0.5 to 1.5 10 IEEE 1451.5		mA Volts Ω VDC Sec GΩ, min		2 to 20 +18 to +30 100 +9 to +14 0.5 to 1.5 10 IEEE 1451.5 mA Volts Ω VDC Sec GΩ, min																																				
						 																																				
																																										
		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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