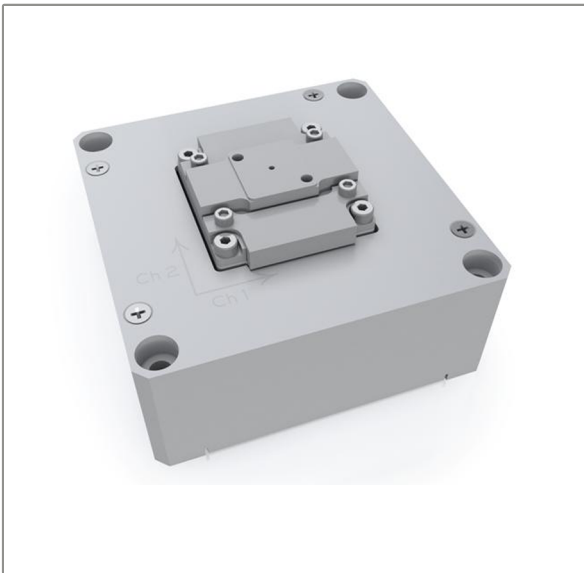




## Specializing in Piezo Stages and Nanopositioning Solutions

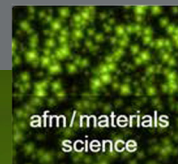
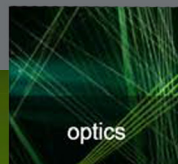
### XYZ Nanopositioning Piezo Stage with High Resonant Frequency and Compact Design



NPXY50Z20-477  
XYZ Axis Closed Loop 50 $\mu$ m

Part Number	3715477
Footprint	60mm W x 60mm D x 31mm H
Material	Stainless Steel
Maximum Load	1kg
Max Force (Push/Pull)	100N/10N
Stage Mass	365g
Nanomotion Control	XYZ
Closed-loop Travel	50 $\mu$ m 50 $\mu$ m 20 $\mu$ m
Open-loop Travel (-30 to 150 V)	65 $\mu$ m 65 $\mu$ m 35 $\mu$ m
Position Noise	0.2nm 0.2nm 0.1nm
Stiffness	3N/ $\mu$ m 3N/ $\mu$ m 14N/ $\mu$ m
Resonant Frequency	1200Hz 1200Hz 2000Hz
Settling Time	4ms 4ms 2ms
Linearity Deviation	0.01% 0.01% 0.1%
Capacitance	2.8 $\mu$ F 2.8 $\mu$ F 1.6 $\mu$ F
Integrated Sensor	Capacitive
Cable Length	2m
Controller	LC.403

### Nanopositioning Applications

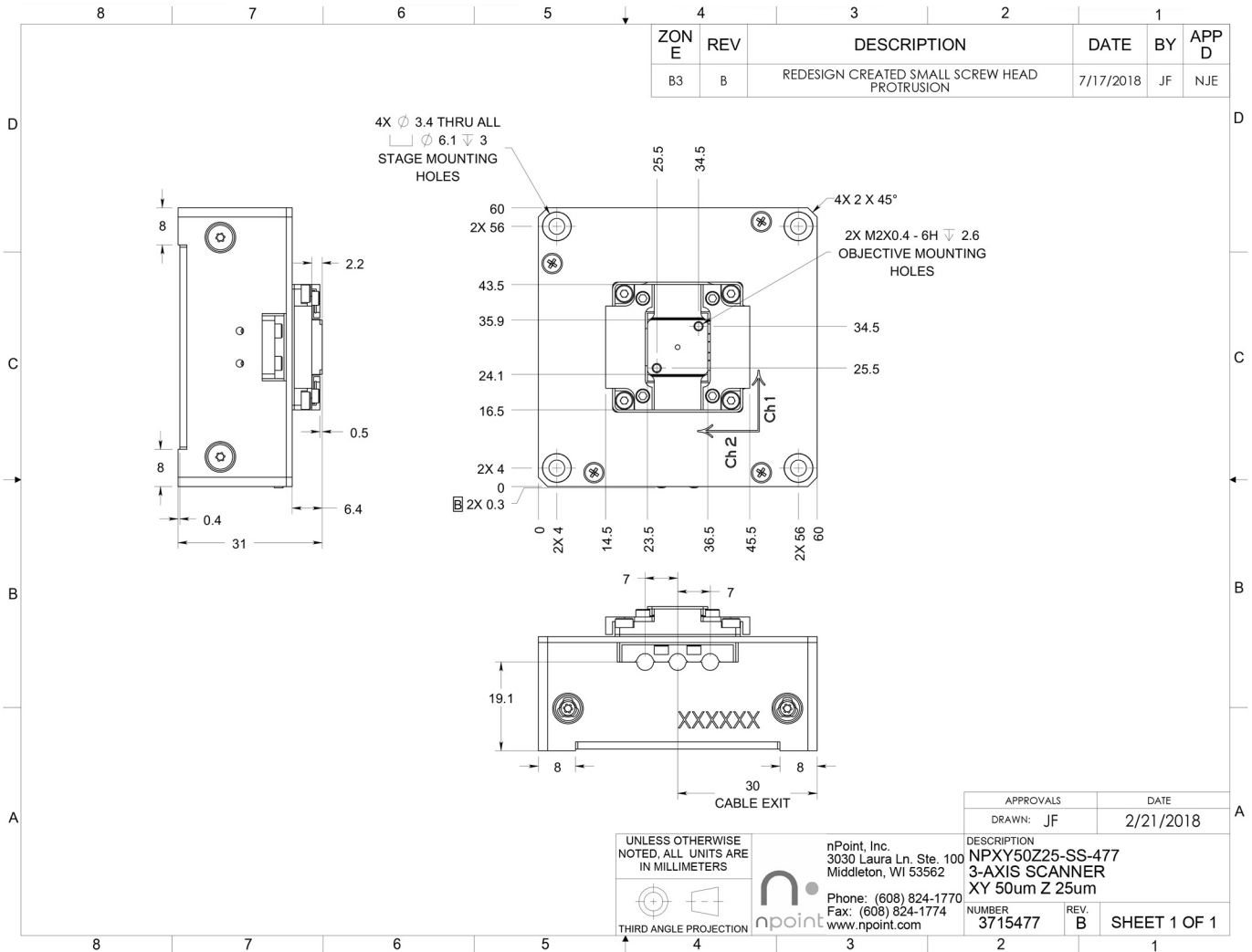




Specializing in Piezo Stages and Nanopositioning Solutions

**INSTALLATION DRAWING**

NPXY50Z20-477



Nanopositioning Applications

