\bigcirc Ø0.265in (6.73mm)Top View 0.21in Ø1.5in 5.33mm 38.10mm 6.05in (153.67mm) 9.19in (233.43mm) 0.44in (11.18mm) 3.14in 2.70in (79.76mm) (68.58mm) Strain Relief 0.80in **▼** (20.3mm) 2.80in (71.12mm) \oplus \oplus Notes: 1.20in (30.48mm) -Standard HG joysticks are assembled with Strain 3.30in \bigcirc Relief (.80in) (83.82mm) 1.20in -Lower profile housings (30.48mm) are also available (contact Sales for details) \oplus \oplus 2.40in **Bottom View** (60.96mm)

SPECIFICATIONS

ELECTRICAL

SUPPLY VOLTAGE
CENTER VOLTAGE
SUPPLY CURRENT
OUTPUT CURRENT
EFFECTIVE OUTPUT
OUTPUT TOLERANCE

5.0V DC
2.5V DC
10mA max/axis
2mA max/axis
0V - 5V DC
±2%

MECHANICAL

OPERATING TRAVEL 38° (19° from center)
CENTERING Single spring,

omnidirectional

BREAKOUT FORCE 1.3Nm
OPERATING FORCE 1.5Nm
MAXIMUM FORCE 1.7Nm

OPERATING TEMP -40°C to +85°C LIFE EXPECTANCY 10 million operations

WIRING

RED Supply voltage
BLACK Ground
BLUE X-Axis
YELLOW Y-Axis
ORANGE Switch 1
VIOLET Switch 2
WHITE Switch common

RoHS compliant



HG-2120S000

Series IV – 2 Axes, Stock Grip, 2 Top Buttons

PROPRIETARY AND CONFIDENTIAL

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