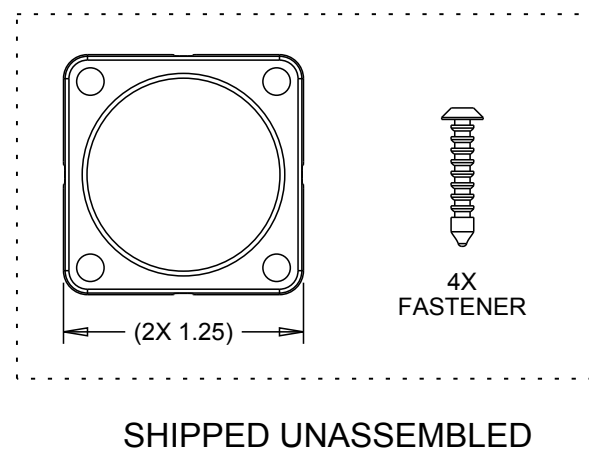
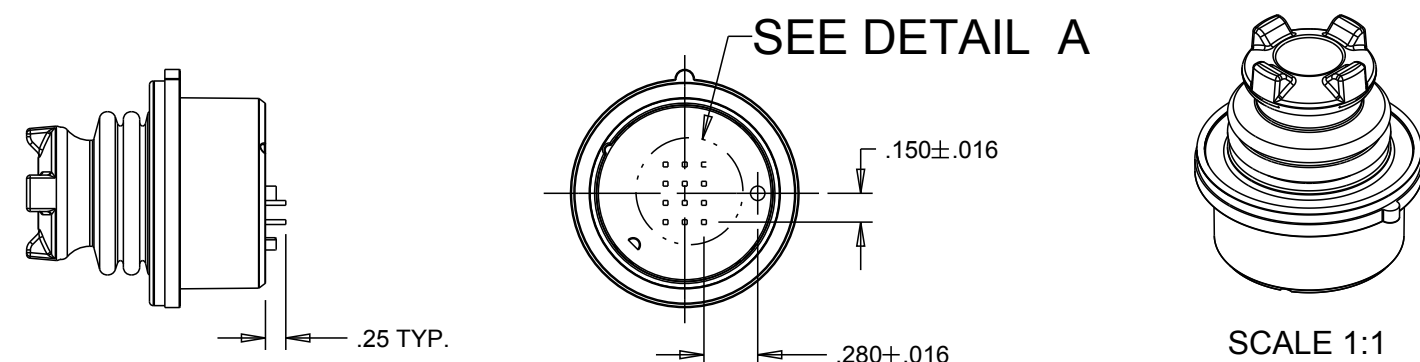


1. DRAWING TO BE INTERPRETED IN ACCORDANCE WITH THE CURRENT REVISION OF ASME Y14.5.
2. THIS PART/PRODUCT IS TO BE MANUFACTURED WITH THE LATEST APPLICABLE REGULATIONS OF EC DIRECTIVES FOR THE RESTRICTION OF THE USE OF HAZARDOUS SUBSTANCES IN ELECTRICAL AND ELECTRONIC EQUIPMENT (ROHS), WASTE ELECTRICAL AND ELECTRONIC EQUIPMENT (WEEE) AND REGISTRATION, EVALUATION, AUTHORIZATION AND RESTRICTION OF CHEMICALS (REACH).
3. OUTPUTS ARE FROM THE CENTER TO THE FULL TRAVEL POSITION.
OPTIONS "AA", "BB", "CC", "DD", "EE", "FF" PROVIDE INCREASED VOLTAGE IN +Y; AND DECREASING VOLTAGE IN -Y DIRECTION FROM ONE OUTPUT PER AXIS.
OPTIONS "GG" AND "HH" PROVIDE INCREASING VOLTAGES. IN ALL DIRECTIONS (+Y, -Y) FROM 2 OUTPUTS PER AXIS.
4. OPTIONS "BB" AND "EE" PROVIDE REDUNDANT OUTPUT 2 WHICH DUPLICATES OUTPUT 1.
OPTIONS "CC" AND "FF" PROVIDE REDUNDANT OUTPUT 2 WHICH IS INVERSE OF OUTPUT 1.
5. SEE PAGE 3 FOR ALTERNATE BUTTON DESIGN. ONLY BUTTON STYLE "2", "5", AND "6" ARE OFFERED WITH A WATERTIGHT PANEL SEAL.
6. MARKING TO INCLUDE:
"OTTO" P/N & DATE CODE "YYYYW".

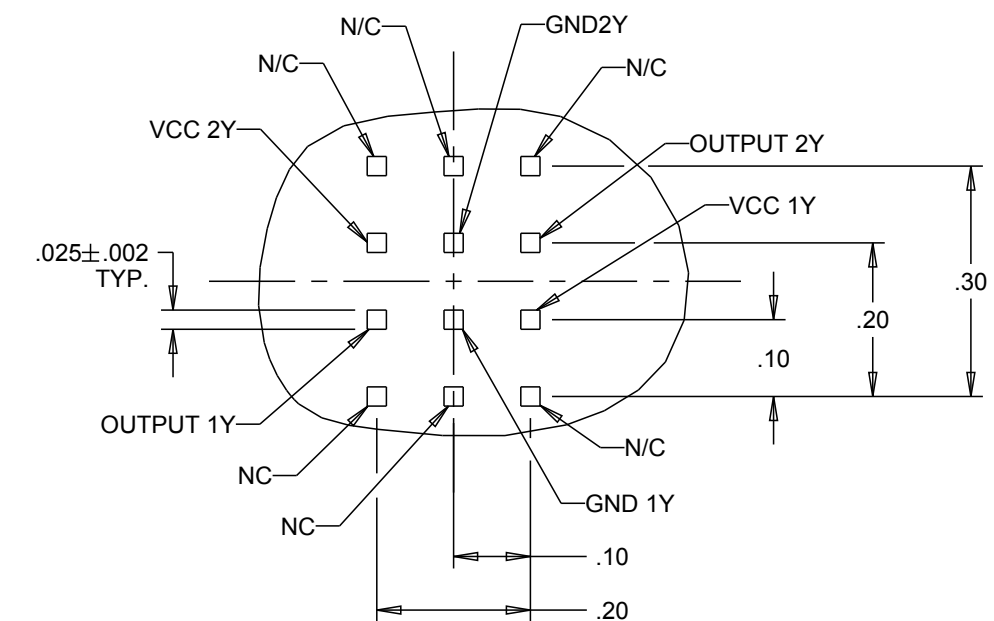
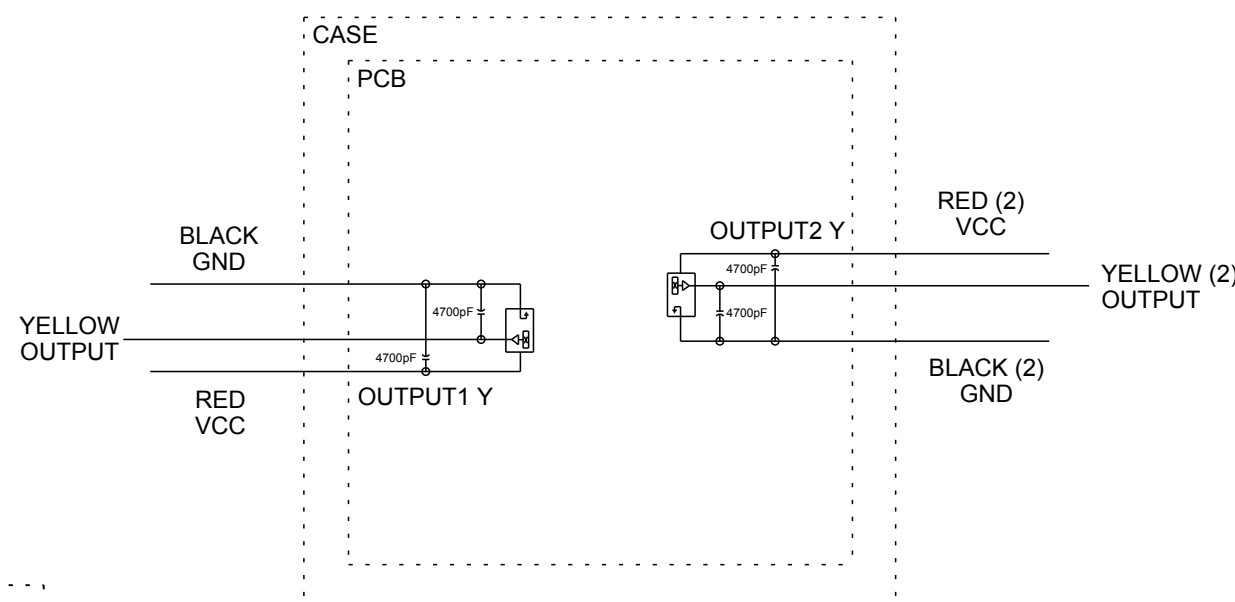
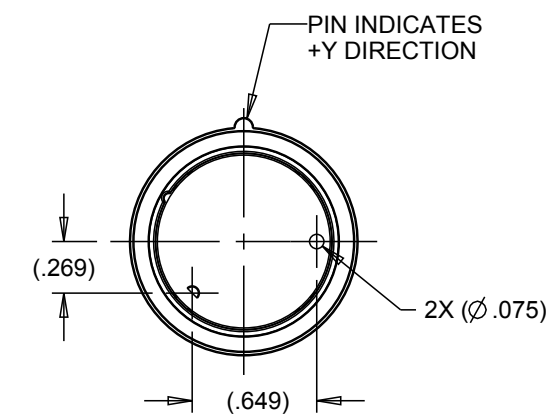
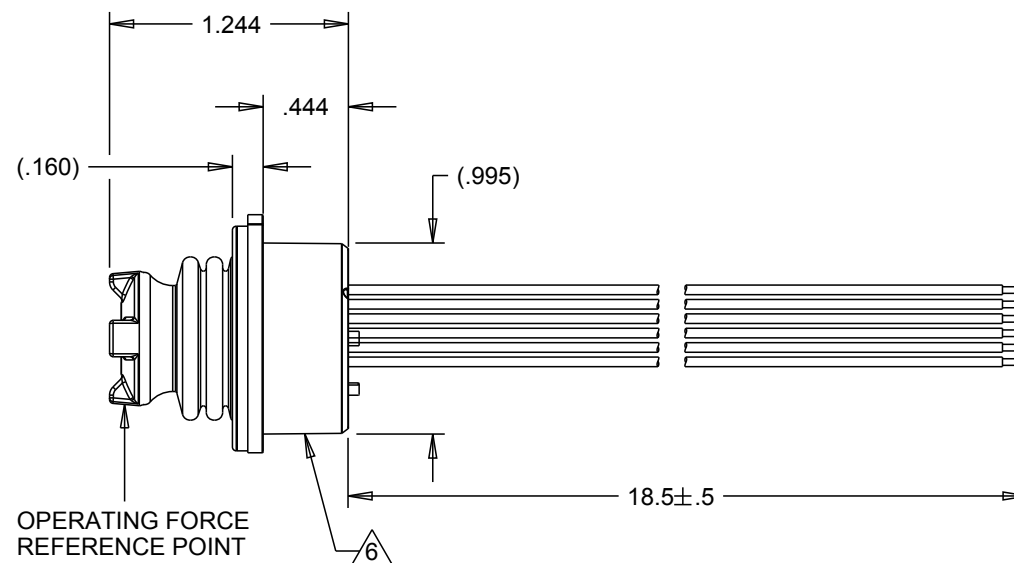
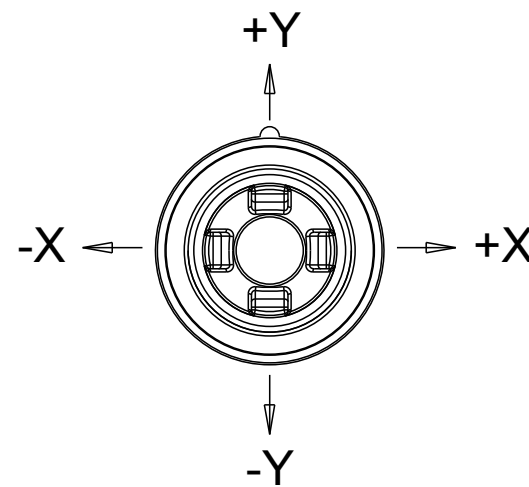
PRODUCT SPECIFICATIONS				
ELECTRICAL:				
RATED AT Vcc = 5V @ 20° C LOAD = 1ma (4.7K Ω)	UNITS	MIN	TYP	MAX
SUPPLY VOLTAGE, Vcc	VDC	4.50	5.00	5.50
OUTPUT VOLTAGE TOLERANCE AT CENTER (SEE APPROPRIATE GRAPH FOR OUTPUT VALUES)	VDC @5V Vcc	-.25	NA	+.25
OUTPUT VOLTAGE TOLERANCE FULL TRAVEL (SEE APPROPRIATE GRAPH FOR OUTPUT VALUES)	VDC @5V Vcc	-.25	NA	+.25
SUPPLY CURRENT PER SENSOR B=0, Vcc=5V, Iout=0	mA	NA	NA	10.0
OUTPUT SOURCE CURRENT LIMIT B=-X°, Vo=0	mA	-1.00	NA	1.00
OUTPUT RESISTANCE Io < -2 mA	Ω	NA	1.00	10.00
MECHANICAL:				
MECHANICAL LIFE ALL DIRECTIONS	1,000,000 CYCLES			
TRAVEL ANGLE	DEGREES	23	25	27
OPERATING FORCE (W/BOOT) AT TOP OF BUTTON, @ 20° C	OZ	NA	16	20
MAX. ALLOWABLE VERTICAL FORCE ON BUTTON	LBS	NA	NA	25
MAX. ALLOWABLE RADIAL FORCE ON BUTTON	LBS	NA	NA	25
MAX. ALLOWABLE TORQUE ON BUTTON ABOUT SHAFT AXIS	IN-LBS	NA	NA	5.5
ENVIRONMENTAL:				
OPERATING TEMPERATURE	°C	-40	20	85
ELECTRONICS SEAL INTEGRITY	WATERTIGHT PER IP68S, 1 METER			
EMI/RFI WITHSTAND	PER SAE J1113 CONTACT FACTORY FOR DETAILS			
MATERIAL:				
BOOT	ELASTOMER, BLACK			
BUTTON	THERMOPLASTIC, BLACK			
CASE	THERMOPLASTIC, BLACK			
FLANGE	THERMOPLASTIC, BLACK			
HARDWARE	4X ITW FASTEX PANEL FASTENER P/N 36030002, OR EQUIVALENT			



5	CASE STYLE	5	TRAVEL	GATING	OPERATE FORCE	OUTPUT 1	OUTPUT 2	TERMINATION	BUTTON COLOR
1 = CASTLE 2 = EXTERNAL CASTLE BOOT 3 = SHORT DOUBLE STADIUM 4 = TALL CONCAVE STADIUM 5 = EXTERNAL BAT HANDLE BOOT 6 = EXTERNAL SMOOTH BOOT 7 = LONG CONCAVE Y AXIS BUTTON	1 = .970 SQ.	1 = DUSTTIGHT 2 = WATERTIGHT	1 = 25 DEGREES	1. SINGLE AXIS	1 = 16 OZ	AA = 2.5+/-2.0 VDC BB = 2.5+/-2.0 VDC CC = 2.5+/-2.0 VDC DD = 2.5+/-1.5 VDC EE = 2.5+/-1.5 VDC FF = 2.5+/-1.5 VDC GG = 0.5-4.5 VDC HH = 1-4 VDC	NONE 2.5+/-2.0 VDC 2.5+/-2.0 VDC NONE 2.5+/-1.5 VDC 2.5+/-1.5 VDC 0.5-4.5 VDC 1-4 VDC	1 = WIRE LEADS, 22 AWG, UL1569 2 = PINS 3 = WIRE LEADS, 24 AWG, SAE AS22759	2 = BLACK



PINS NOT PRESENT
IN ALL CONFIGURATIONS

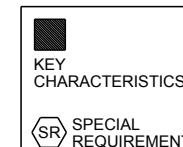


DETAIL A
SCALE 4:1

SCALE 4:1
ALL PINS NOT PRESENT IN ALL CONFIGURATIONS

ALL WIRES NOT PRESENT
IN ALL CONFIGURATIONS

OUTPUT2 NOT PRESENT
IN ALL CONFIGURATIONS



UNLESS OTHERWISE
SPECIFIED:
DIMENSIONS ARE
IN INCHES.
TOLERANCES:
.XX $\pm .03$
.XXX $\pm .010$
ANGLES $\pm 2^\circ$
DO NOT SCALE

OTTO
CARPENTERSVILLE, ILLINOIS USA

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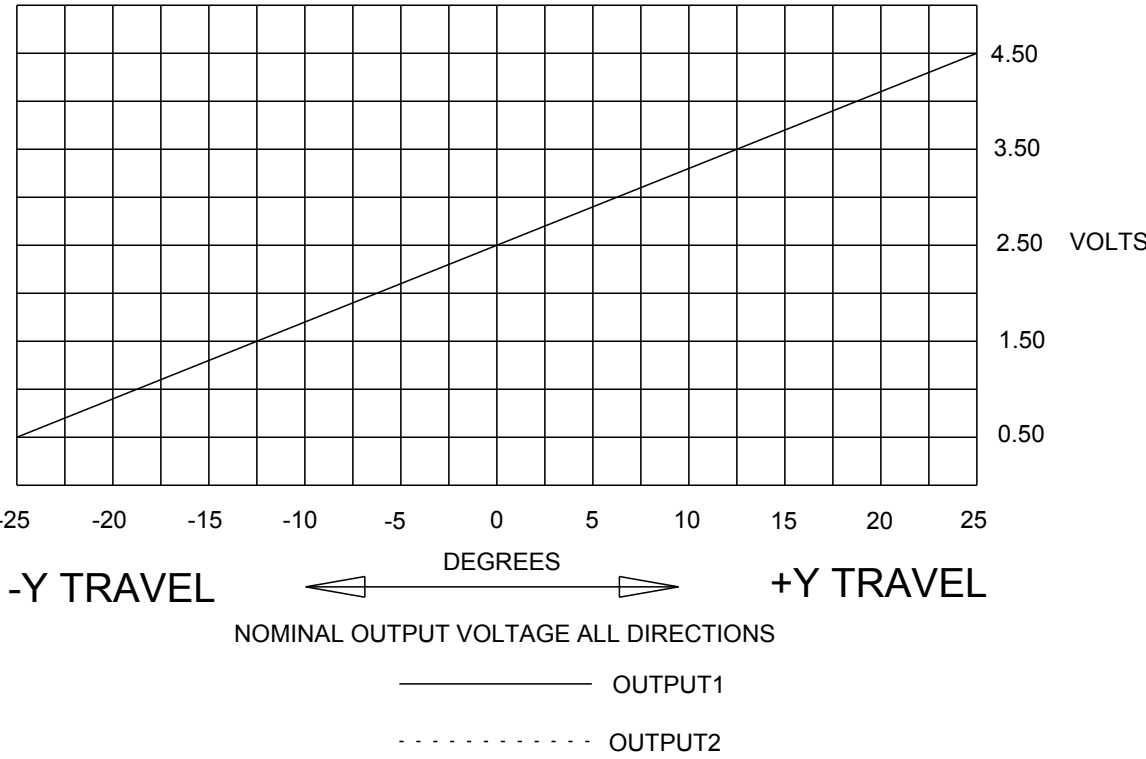
DESCRIPTION

HTL2, LINEAR HALL EFFECT
2-WAY TOGGLE

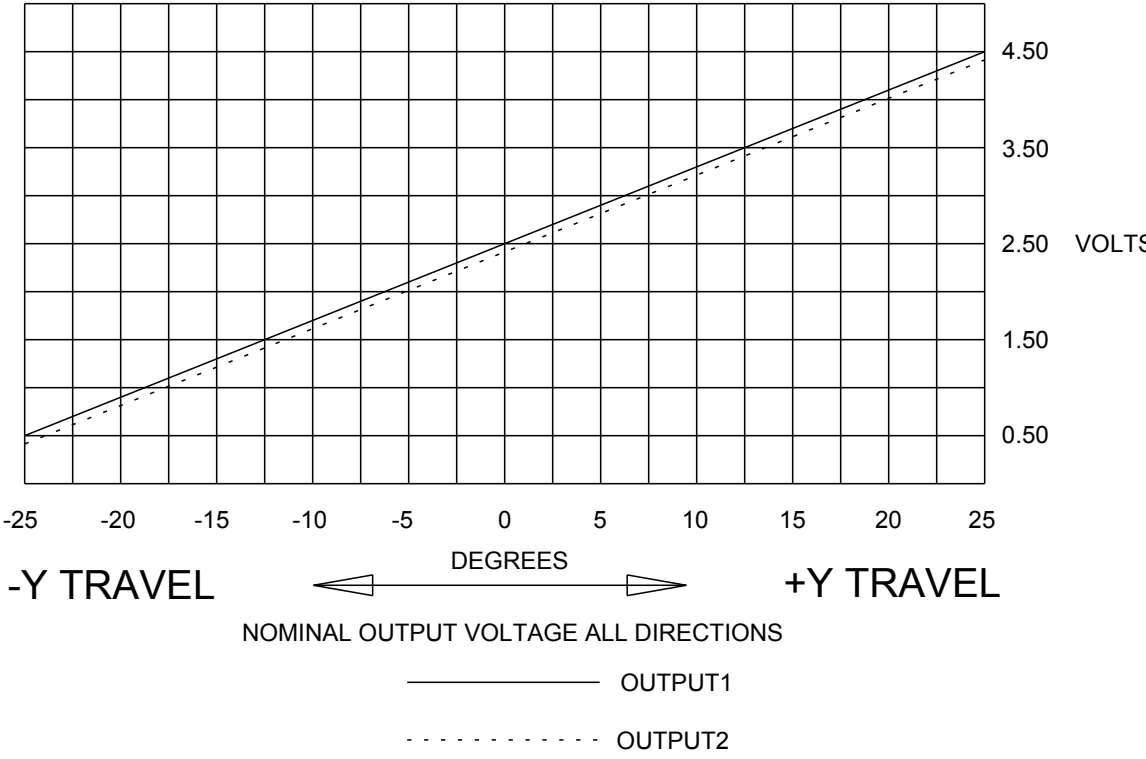
DRWN. JLW	SIZE C	FSCM NO 21649	DRAWING NO.		REV. G
CHKD. MRM			HTL2-_____		
APPD. AH					
		THIRD ANGLE PROJECTION		Scale 1:1	Sheet 1 OF 4

REV	OCN #	DATE	APR
A	044213	17 JUL 08	LBG
B	046891	19 JAN 09	LBG
C	063013	19 SEP 11	DCF
D	063582	28 OCT 11	KLW
E	066712	27 JUL 12	DCF
F	070736	31 MAY 13	DCF
G	071505	08 AUG 13	DCF

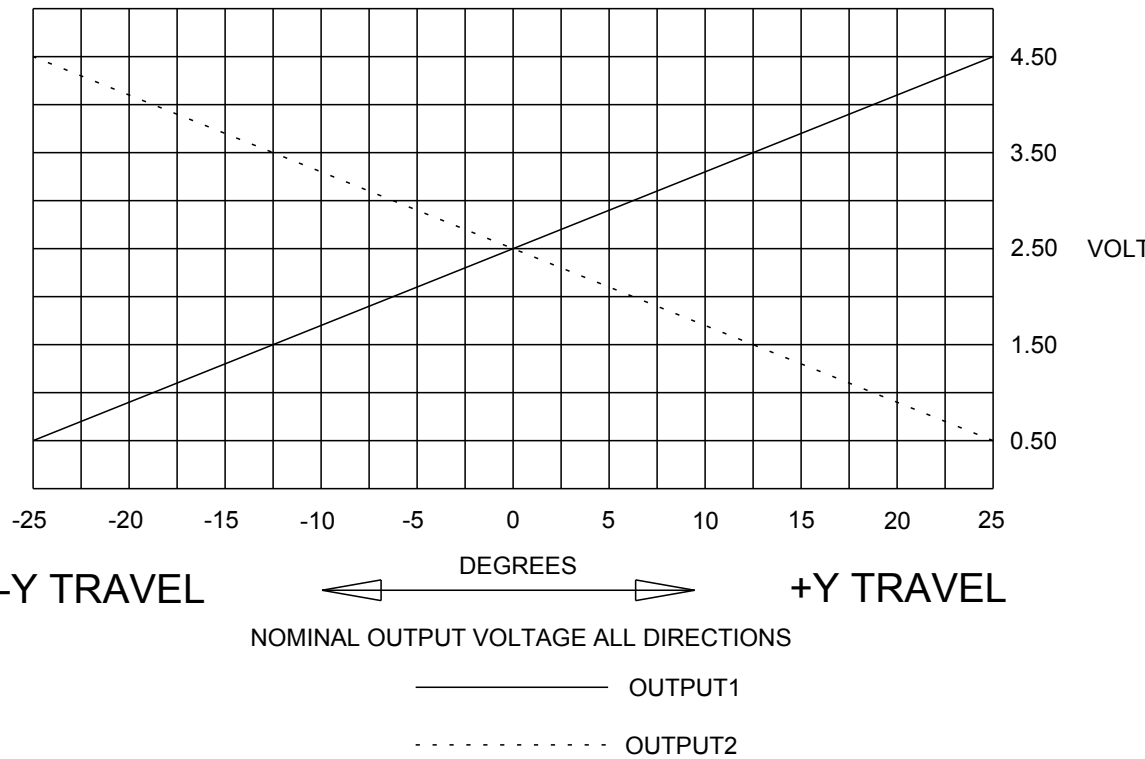
OPTION AA



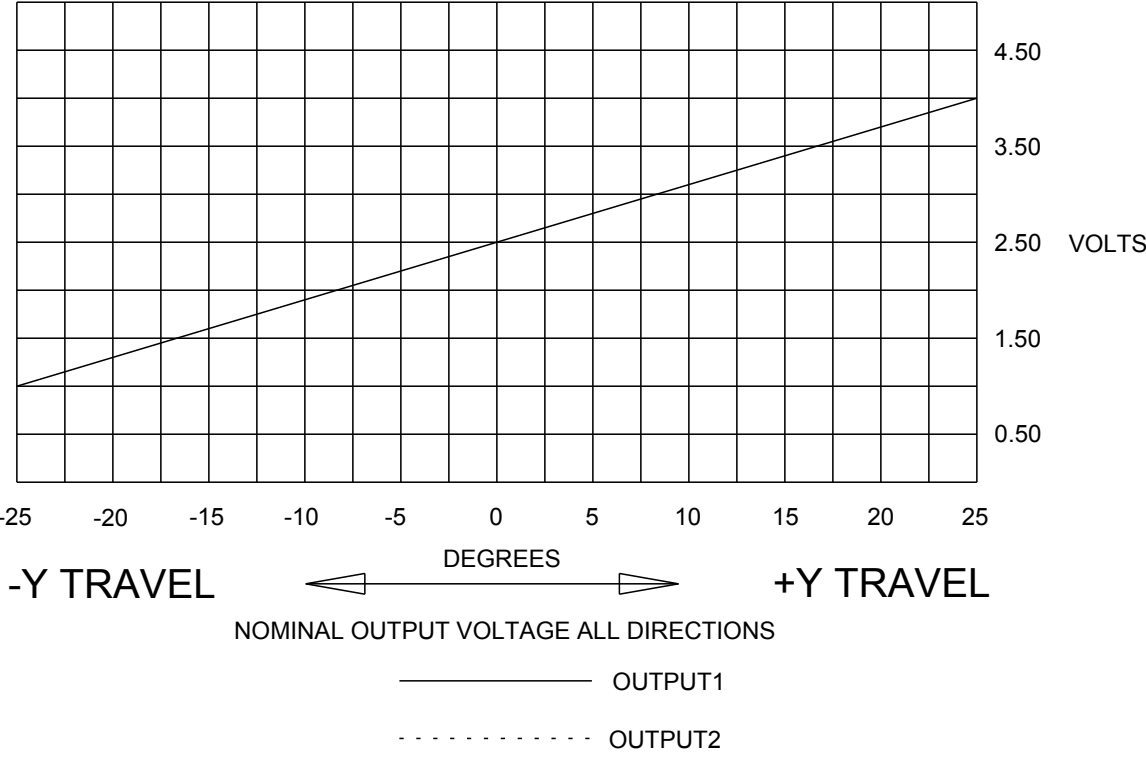
OPTION BB



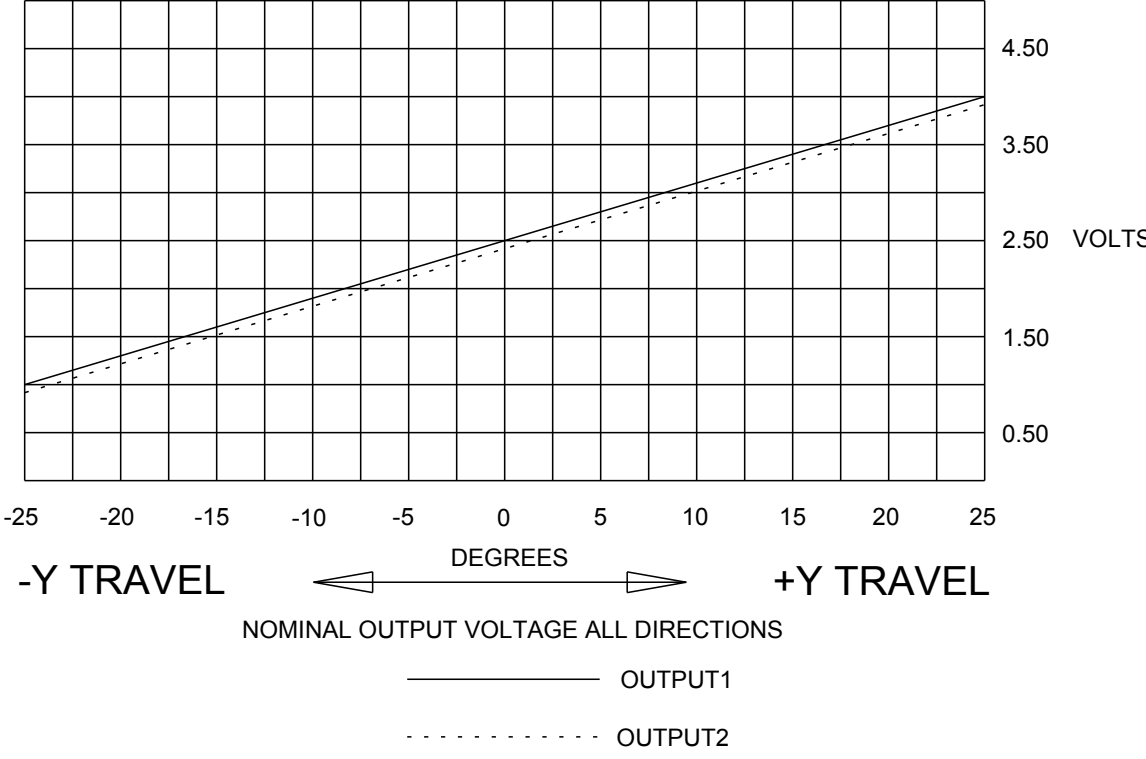
OPTION CC



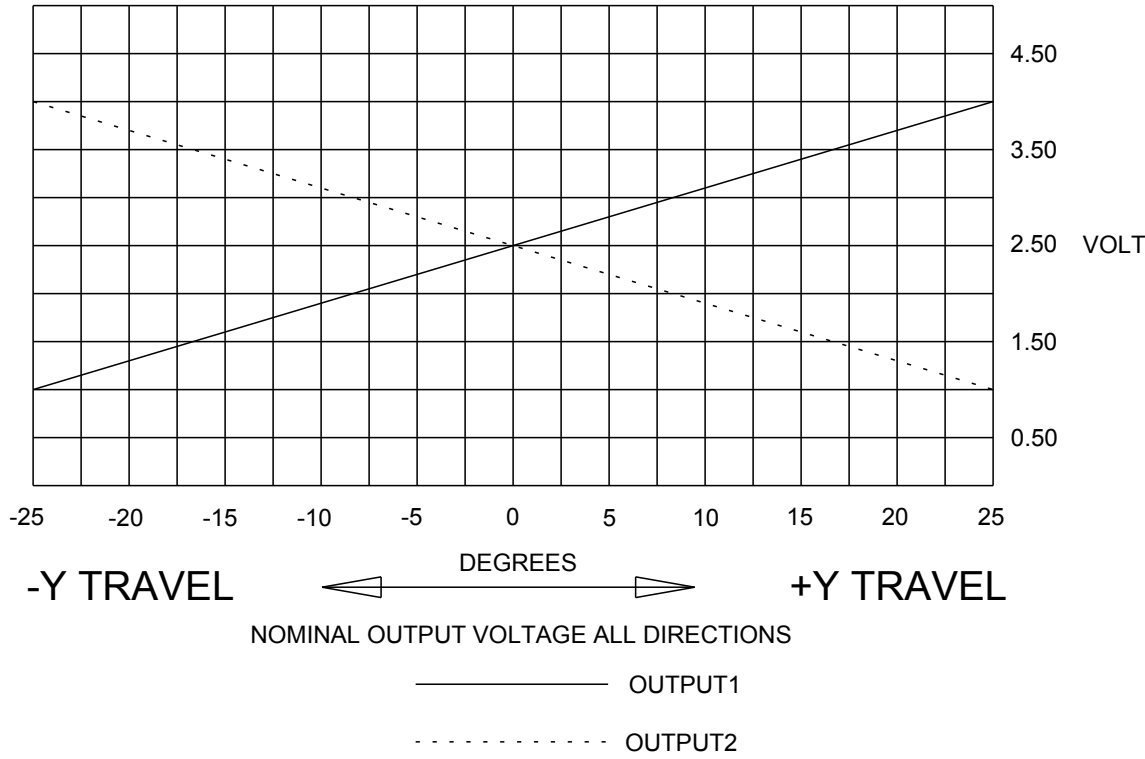
OPTION DD



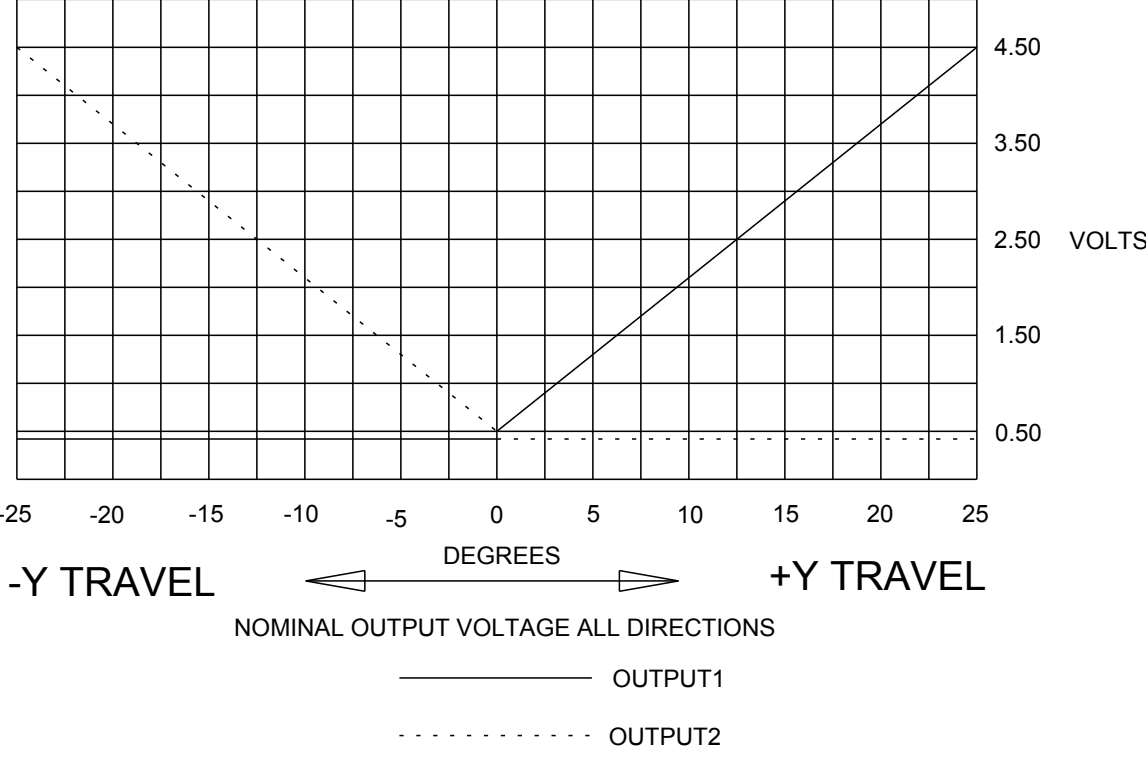
OPTION EE



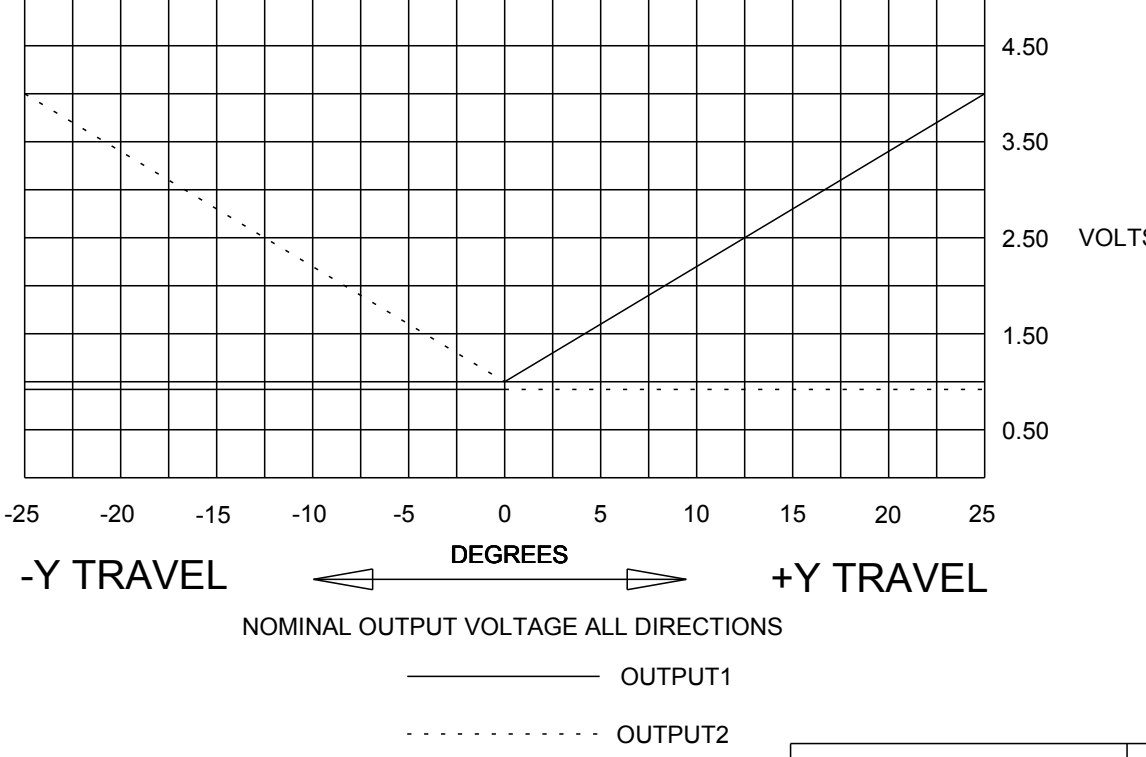
OPTION FF



OPTION GG



OPTION HH



UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES.
TOLERANCES ARE AS LISTED.
MUST BE FREE FROM BURRS
AND SHARP EDGES

TOLERANCES
.XX ±.03
.XXX ±.010
ANGLES ±2°
DO NOT SCALE DRAWING

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DRWN. JLW
CHKD. MRM
APPD. AH
WT.

SIZE
C

FSCM NO
21649

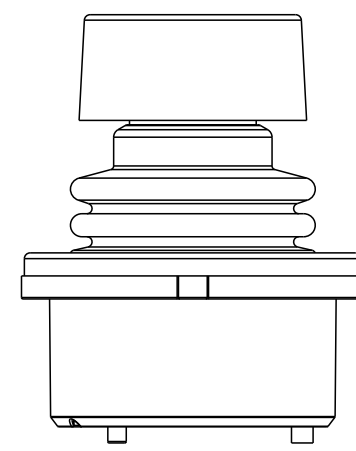
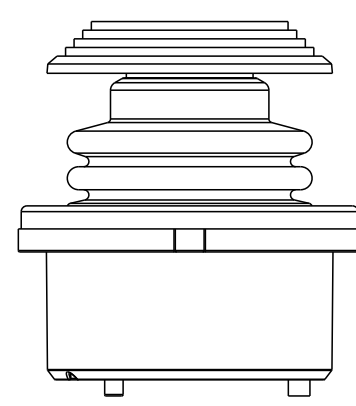
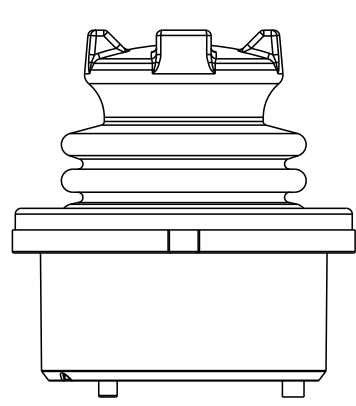
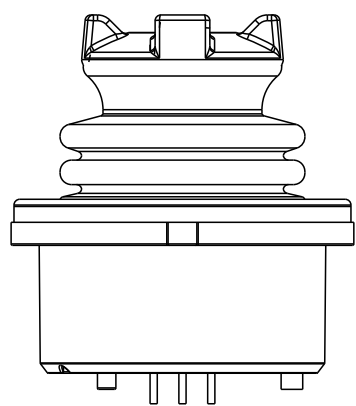
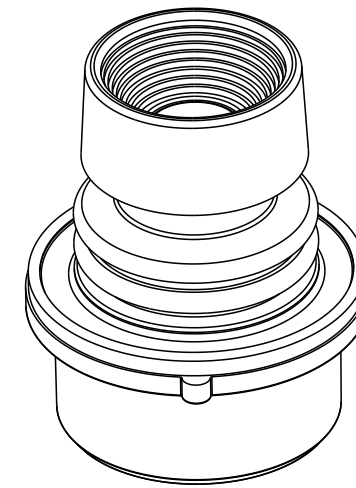
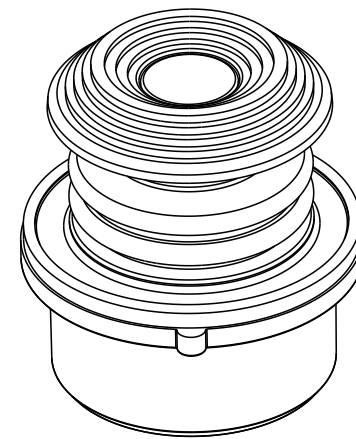
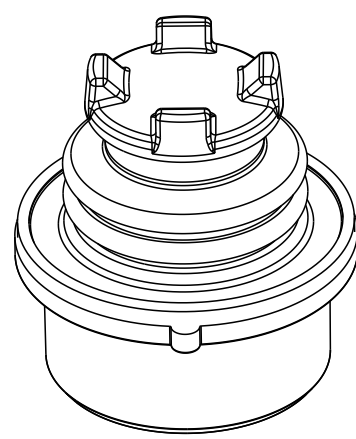
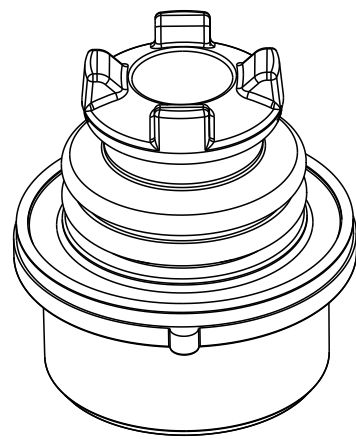
DRAWING NO.
HTL2-_____

REV.
G

THIRD ANGLE
PROJECTION

Scale 1:1

Sheet 2 OF 4



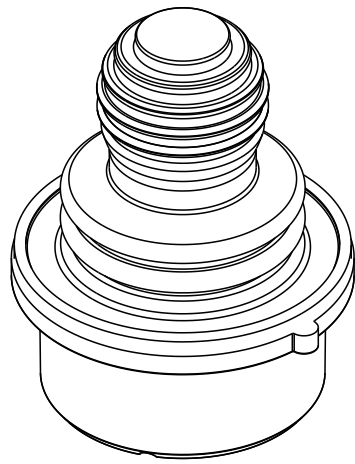
BUTTON STYLE 1
(CASTLE)

BUTTON STYLE 2
(EXTERNAL CASTLE BOOT)

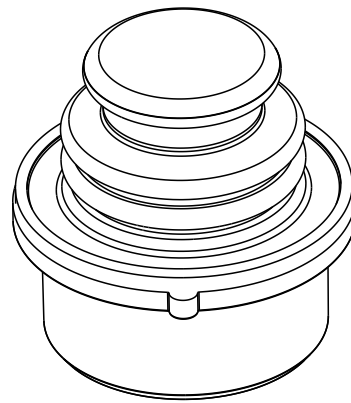
BUTTON STYLE 3
(SHORT DOUBLE STADIUM)

BUTTON STYLE 4
(TALL CONCAVE STADIUM)

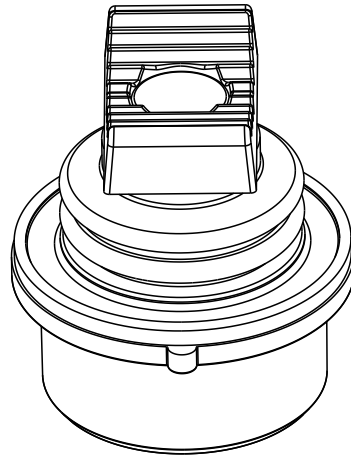
BUTTON STYLE CONFIGURATION



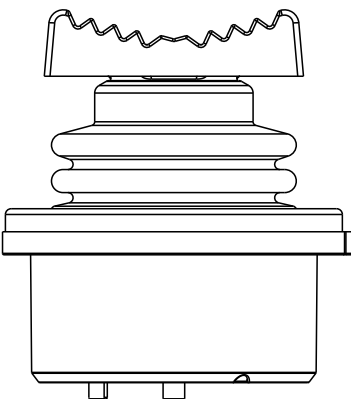
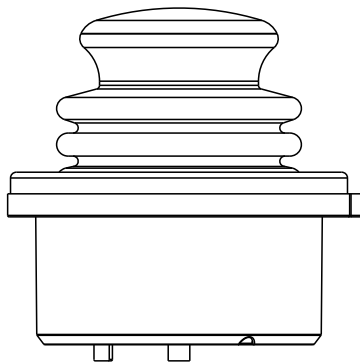
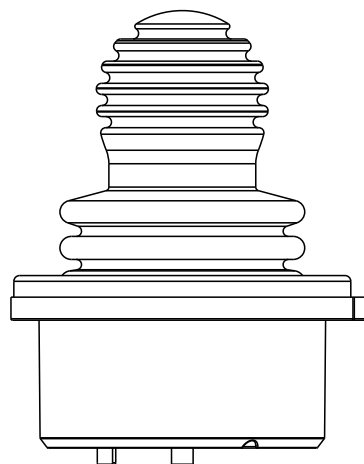
BUTTON STYLE 5
(EXTERNAL BAT
HANDLE BOOT)



BUTTON STYLE 6
(EXTERNAL SMOOTH BOOT)



BUTTON STYLE 7
(LONG CONCAVE Y AXIS BUTTON)



BUTTON STYLE CONFIGURATION

Данный компонент на территории Российской Федерации

Вы можете приобрести в компании MosChip.

Для оперативного оформления запроса Вам необходимо перейти по данной ссылке:

<http://moschip.ru/get-element>

Вы можете разместить у нас заказ для любого Вашего проекта, будь то серийное производство или разработка единичного прибора.

В нашем ассортименте представлены ведущие мировые производители активных и пассивных электронных компонентов.

Нашей специализацией является поставка электронной компонентной базы двойного назначения, продукции таких производителей как XILINX, Intel (ex.ALTERA), Vicor, Microchip, Texas Instruments, Analog Devices, Mini-Circuits, Amphenol, Glenair.

Сотрудничество с глобальными дистрибьюторами электронных компонентов, предоставляет возможность заказывать и получать с международных складов практически любой перечень компонентов в оптимальные для Вас сроки.

На всех этапах разработки и производства наши партнеры могут получить квалифицированную поддержку опытных инженеров.

Система менеджмента качества компании отвечает требованиям в соответствии с ГОСТ Р ИСО 9001, ГОСТ РВ 0015-002 и ЭС РД 009

Офис по работе с юридическими лицами:

105318, г.Москва, ул.Щербаковская д.3, офис 1107, 1118, ДЦ «Щербаковский»

Телефон: +7 495 668-12-70 (многоканальный)

Факс: +7 495 668-12-70 (доб.304)

E-mail: info@moschip.ru

Skype отдела продаж:

moschip.ru

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