

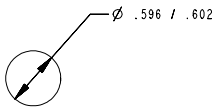
- NOTES:
 1. CUSTOMER: GRAYHILL STD.
 2. SWITCH HAS BUTT CONTACT SYSTEM.
 3. ACTION TYPE: MOMENTARY
 4. CIRCUITRY: SPST - N.O.

YYWW

GH

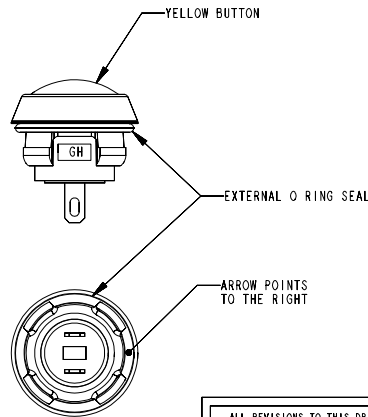
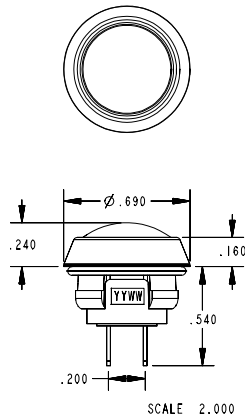
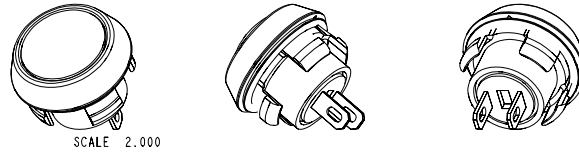
LABEL DETAIL

SCALE: 5:1
 LABEL PART NUMBER: SSS1878-14
 DATE CODE & *GH* TO
 INDICATE MANUFACTURER'S NAME



RECOMMENDED PANEL CUT-OUT
 SCALE: 1 TO 1

PANEL THICKNESS WITH *O* RING: .098-.106
 PANEL THICKNESS WITHOUT *O* RING: .140-.144



ISSUE	APP/DATE	DESCRIPTION
B	CWS/JOD 1-26-05	ADDED ARROW NOTE. ECN#355542 JTK 1-26-05
A	CWS/PR 6-9-04	ORIGINAL ECN#352013 5-12-04

REVISIONS	
<i>Grayhill</i> GRAYHILL, INC. 501 HILLGROVE AVE. LA GRANGE, IL 60525 PHONE (708) 354-1040	
UNLESS OTHERWISE SPECIFIED TOLERANCES AND DIMENSIONS ARE IN INCHES LINEAR ± .025 DIAMETERS ± .010 ANGULAR ± 1.0° LIMITS APPLY BEFORE FINISHING DO NOT SCALE THIS PRINT	
CRITICAL CHARACTERISTIC FLAGS PER GRAYHILL SPEC.SOP2338 -- CRITICAL CHARACTERISTIC FLAG -- Cpk REQUIRED -- S.P.C. FLAG (CONTROL CHART REQ'D ON FEATURE SPECIFIED)	
FINISH	APPROVED DATE
---	PR 6-9-04
MATERIAL	CHECKED DATE
---	CWS 6-9-04
NAME	DRAWN DATE
PUSHBUTTON ASSEMBLY	JTK 5-12-04
CAGE NO. 81073	30-103.DRW
DWG. NO. 30-103	ISSUE B
SCALE 2:1	SHEET 1 OF 1

COMPONENT	MATERIAL
BUTTON	YELLOW NYLON - 45% GLASS FILLED
HOUSING	BLACK NYLON - 45% GLASS FILLED
TERMINAL	BRASS - GOLD OVER NICKEL PLATING
SHORTING BAR	BRASS - GOLD OVER NICKEL PLATING
BASE	NYLON - 45% GLASS FILLED
PLUNGER	NYLON - 45% GLASS FILLED
O-RING SEAL	SILICON - 70 DUROMETER
INTERNAL SEAL	SILICON RUBBER
COMPRESSION SPRING	TINNED MUSIC WIRE

MECHANICAL RATINGS	
TRAVEL	.090" NOMINAL
TRAVEL BEFORE MAKE	.035" NOMINAL
CYCLE LIFE	500,000 ELECTRICAL CYCLES
SHOCK	100 G'S / 6 MILLISECONDS
OPERATING TEMP.	-40° C TO +80° C
ACTUATION FORCE	14.5 OZ ± 3 OZ.

ELECTRICAL RATINGS	
RATING AT 24 VDC	150 MILLIAMPS
VOLTAGE BREAKDOWN	1,000 VOLTS
CONTACT RESISTANCE	25 mΩ MAX. (INITIAL)
INSULATION RESISTANCE	1000 MΩ