

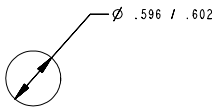
- NOTES:  
 1. CUSTOMER: GRAYHILL STD.  
 2. SWITCH HAS BUTT CONTACT SYSTEM.  
 3. ACTION TYPE: MOMENTARY  
 4. CIRCUITRY: SPST - N.O.

**YYWW**

**GH**

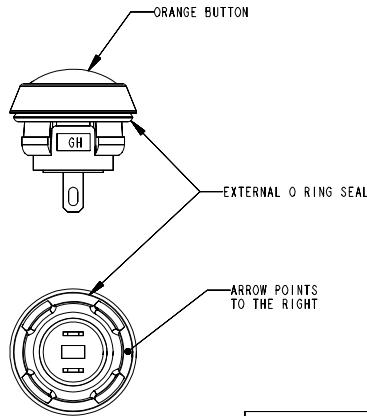
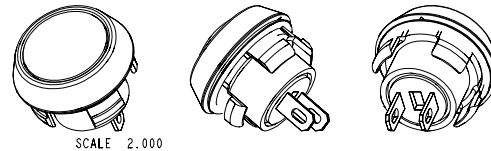
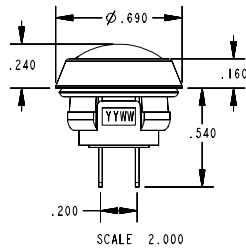
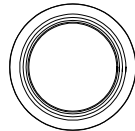
**LABEL DETAIL**

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



ALL REVISIONS TO THIS DRAWING  
 MUST BE MADE ON THE PRO/E SYSTEM

COMPONENT	MATERIAL
BUTTON	ORANGE 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

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#352014 5-12-04

REVISIONS

**Grayhill** GRAYHILL, INC.  
 561 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 PUSHBUTTON ASSEMBLY		DRAWN DATE	JTK 5-12-04
CAGE NO. 81073		30-104.DRW	
SIZE	DWG. NO. <b>30-104</b>	ISSUE <b>B</b>	
SCALE	2:1	SHEET	1 OF 1