

# MIL SPEC LISTING

## Military Specifications

Various Stacoswitch switches and accessories have been granted Qualified Product Listings under MIL-S-24317, MIL-S-22885, and MIL-S-8805. In addition these products are designed and manufactured to conform to the following specifications where applicable.

FED-STD-3	Colors: Aeronautical Lighting
MIL-STD-130	Identification and Marking of U.S. Military Property
MIL-STD-202	Test Methods for Electronic and Electrical Component Parts
MIL-STD-411	Air Crew Station Visual Signals
MIL-E-5272	Environmental Testing, Aeronautical
MIL-E-5400	Electronic Equipment, Aircraft
MIL-T-5422	Testing, Environmental, Aircraft Electronic Equipment
MIL-S-8805	Switches, Sensitive and Push, Snap Action, Actuators and Enclosures
MIL-M-18012	Markings for Air Crew Station Displays Design and Configuration of
MIL-C-25050	Colors, Aeronautical Lights and Lighting Equipment
MIL-S-22885	Switches, Pushbutton, Illuminated
MIL-S-24317	Switches, Multistation, Pushbutton

These specifications are for the purpose of outlining what is to be purchased, its performance, and how it is tested. Listed below are the major requirements to which Stacoswitch products are tested in meeting the specifications.

Thermal Shock	-55°C to +85°C, per MIL-STD-202C, Method 107, Test Condition A
Shock	50 G's, 11 ±1 millisecond; per MIL-STD-202C, Method 213
Vibration	.06 D.A. or 15 G's, 10 to 2,000 Hz per MIL-STD-202C, Method 204, Test Condition B
High Impact Shock	3 hammer blows each axis per MIL-STD-901C. No deformation or damage
Sand and Dust Humidity	Per MIL-STD 202C, Method 110, Test Condition B 10 days, with 10 cycles at 90-98 percent relative humidity at 65° C per MIL-STD-202, Method 106
Salt Spray	48 hr., per MIL-STD-202C, Method 101, Test Condition B, with pushbutton installed in a mating switch/indicator
Explosion	Unit can be safely operated under load in an explosive atmosphere without danger of explosion, per MIL-STD-202C, Method 109
Temperature	Operating, -55°C to +85°C
Altitude	Sea level to 70,000 feet
Fungus	None of the materials or finishes used in construction of these units will support any fungus encountered in tropical climates

## Military Cross Reference

The Series 60 Lighted and Series 30 Unlighted pushbutton switches have been granted Mil Spec Listing under Mil-S-22885 and Mil-S-8805. The following is a complete selection of Mil Spec Part Numbers and the corresponding StacoSwitch Part Numbers.

## Series 60 Switch

M22885/	STACO P/N	M22885/	STACO P/N
18-01	65S07A	18-05	66S07A
18-02	65S07B	18-06	66S07B
18-03	65S04A	18-07	66S04A
18-04	65S04B	18-08	66S04B

## Series 60 Assembly

ASSEMBLY M22885/	ASSEMBLY 60A000	SWITCH	DISPLAY LENS M22885/
18-09	209	65S07A	22-01(20741-55)
18-10	210	65S07A	22-02(20741-54)
18-11	211	65S07A	22-03(20741-51)
18-12	212	65S07A	22-04(20741-52)
18-13	213	65S07A	22-05(20741-56)
18-14	214	65S07A	22-06(20742-65)
18-15	215	65S07A	22-07(20742-64)
18-16	216	65S07A	22-08(20742-61)
18-17	217	65S07A	22-09(20742-62)
18-18	218	65S07A	22-10(20742-66)
18-19	219	65S07A	22-11(20774-145)
18-20	220	65S07A	22-12(20774-144)
18-21	221	65S07A	22-13(20774-141)
18-22	222	65S07A	22-14(20774-142)
18-23	223	65S07A	22-15(20774-146)
18-24	224	65S07A	22-16(20740-45)
18-25	225	65S07A	22-17(20740-44)
18-26	226	65S07A	22-18(20740-41)
18-27	227	65S07A	22-19(20740-42)
18-28	228	65S07A	22-20(20740-46)
18-29	229	65S07B	22-01(20741-55)
18-30	230	65S07B	22-02(20741-54)
18-31	231	65S07B	22-03(20741-51)
18-32	232	65S07B	22-04(20741-52)
18-33	233	65S07B	22-05(20741-56)
18-34	234	65S07B	22-06(20742-65)
18-35	235	65S07B	22-07(20742-64)
18-36	236	65S07B	22-08(20742-61)
18-37	237	65S07B	22-09(20742-62)
18-38	238	65S07B	22-10(20742-66)
18-39	239	65S07B	22-11(20774-145)
18-40	240	65S07B	22-12(20774-144)
18-41	241	65S07B	22-13(20774-141)
18-42	242	65S07B	22-14(20774-142)
18-43	243	65S07B	22-15(20774-146)
18-44	244	65S07B	22-16(20740-45)
18-45	245	65S07B	22-17(20740-44)
18-46	246	65S07B	22-18(20740-41)
18-47	247	65S07B	22-19(20740-42)
18-48	248	65S07B	22-20(20740-46)
18-49	249	65S04A	22-01(20741-55)
18-50	250	65S04A	22-02(20741-54)
18-51	251	65S04A	22-03(20741-51)
18-52	252	65S04A	22-04(20741-52)
18-53	253	65S04A	22-05(20741-56)
18-54	254	65S04A	22-06(20742-65)
18-55	255	65S04A	22-07(20742-64)
18-56	256	65S04A	22-08(20742-61)
18-57	257	65S04A	22-09(20742-62)
18-58	258	65S04A	22-10(20742-66)
18-59	259	65S04A	22-11(20774-145)
18-60	260	65S04A	22-12(20774-144)
18-61	261	65S04A	22-13(20774-141)
18-62	262	65S04A	22-14(20774-142)
18-63	263	65S04A	22-15(20774-146)
18-64	264	65S04A	22-16(20740-45)
18-65	265	65S04A	22-17(20740-44)



# MILITARY CROSS REFERENCE

## Series 60 Assembly (Cont'd)

ASSEMBLY M22885/ 60A000	ASSEMBLY 60A000	SWITCH	DISPLAY LENS. M22885/
18-66	266	65S04A	22-18(20740-41)
18-67	267	65S04A	22-19(20740-42)
18-68	268	65S04A	22-20(20740-46)
18-69	269	65S04B	22-01(20741-55)
18-70	270	65S04B	22-02(20741-54)
18-71	271	65S04B	22-03(20741-51)
18-72	272	65S04B	22-04(20741-52)
18-73	273	65S04B	22-05(20741-56)
18-74	274	65S04B	22-06(20742-65)
18-75	275	65S04B	22-07(20742-64)
18-76	276	65S04B	22-08(20742-61)
18-77	277	65S04B	22-09(20742-62)
18-78	278	65S04B	22-10(20742-66)
18-79	279	65S04B	22-11(20774-145)
18-80	280	65S04B	22-12(20774-144)
18-81	281	65S04B	22-13(20774-141)
18-82	282	65S04B	22-14(20774-142)
18-83	283	65S04B	22-15(20774-146)
18-84	284	65S04B	22-16(20740-45)
18-85	285	65S04B	22-17(20740-44)
18-86	286	65S04B	22-18(20740-41)
18-87	287	65S04B	22-19(20740-42)
18-88	288	65S04B	22-20(20740-46)
18-89	289	66S07A	19-01(20765-75)
18-90	290	66S07A	19-02(20765-74)
18-91	291	66S07A	19-03(20765-71)
18-92	292	66S07A	19-04(20765-72)
18-93	293	66S07A	19-05(20765-76)
18-94	294	66S07A	19-06(20767-95)
18-95	295	66S07A	19-07(20767-04)
18-96	296	66S07A	19-08(20767-91)
18-97	297	66S07A	19-09(20767-92)
18-98	298	66S07A	19-10(20767-96)
18-99	299	66S07A	19-11(20766-85)
18-100	300	66S07A	19-12(20766-84)
18-101	301	66S07A	19-13(20766-81)
18-102	302	66S07A	19-14(20766-82)
18-103	303	66S07A	19-15(20766-86)
18-104	304	66S07B	19-01(20765-75)
18-105	305	66S07B	19-02(20765-74)
18-106	306	66S07B	19-03(20765-71)
18-107	307	66S07B	19-04(20765-72)
18-108	308	66S07B	19-05(20765-76)
18-109	309	66S07B	19-06(20767-95)
18-110	310	66S07B	19-07(20767-94)
18-111	311	66S07B	19-08(20767-91)
18-112	312	66S07B	19-09(20767-92)
18-113	313	66S07B	19-10(20767-96)
18-114	314	66S07B	19-11(20766-85)
18-115	315	66S07B	19-12(20766-84)
18-116	316	66S07B	19-13(20766-81)
18-117	317	66S07B	19-14(20766-82)
18-118	318	66S07B	19-15(20766-86)
18-119	319	66S04A	19-01(20765-75)
18-120	320	66S04A	19-02(20765-74)
18-121	321	66S04A	19-03(20765-71)
18-122	322	66S04A	19-04(20765-72)
18-123	323	66S04A	19-05(20765-76)
18-124	324	66S04A	19-06(20767-95)
18-125	325	66S04A	19-07(20767-94)
18-126	326	66S04A	19-08(20767-91)
18-127	327	66S04A	19-09(20767-92)
18-128	328	66S04A	19-10(20767-96)
18-129	329	66S04A	19-11(20766-85)
18-130	330	66S04A	19-12(20766-84)
18-131	331	66S04A	19-13(20766-81)
18-132	332	66S04A	19-14(20766-82)
18-133	333	66S04A	19-15(20766-86)
18-134	334	66S04B	19-01(20765-75)
18-135	335	66S04B	19-02(20765-74)
18-136	336	66S04B	19-03(20665-71)

## Series 60 Assembly (Cont'd)

ASSEMBLY M22885/ 60A000	ASSEMBLY 60A000	SWITCH	DISPLAY LENS M22885/
18-137	337	66S04B	19-04(20665-72)
18-138	338	66S04B	19-05(20665-76)
18-139	339	66S04B	19-06(20767-95)
18-140	340	66S04B	19-07(20767-94)
18-141	341	66S04B	19-08(20767-91)
18-142	342	66S04B	19-09(20767-92)
18-143	343	66S04B	19-10(20767-96)
18-144	344	66S04B	19-11(20766-85)
18-145	345	66S04B	19-12(20766-84)
18-146	346	66S04B	19-13(20766-81)
18-147	347	66S04B	19-14(20766-82)
18-148	348	66S04B	19-15(20766-86)

## Series 60 Pushbuttons

M22885/	STACO P/N	M22885/	STACO P/N
19-01	20765-75	22-04	20741-52
19-02	20765-74	22-05	20741-56
19-03	20765-71	22-06	20742-65
19-04	20765-72	22-07	20742-64
19-05	20765-76	22-08	20742-61
19-06	20767-95	22-09	20742-62
19-07	20767-94	22-10	20742-66
19-08	20767-91	22-11	20774-145
19-09	20767-92	22-12	20774-144
19-10	20767-96	22-13	20774-141
19-11	20766-85	22-14	20774-142
19-12	20766-84	22-15	20774-146
19-13	20766-81	22-16	20740-45
19-14	20766-82	22-17	20740-44
19-15	20766-86	22-18	20740-41
22-01	20741-55	22-19	20740-42
22-02	20741-54	22-20	20740-46
22-03	20741-51		

## Series 60 Pushbuttons

Designations "H" through "R" refer to body styles. The part number rationale does not cover legend display style, character size, or legend copy. These must be specified separately.

M22885/	60H	M22885/	60H
99-H101	102XXX	99-H212	237XXX
99-H201	202XXX	99-H113	139XXX
99-H102	104XXX	99-H213	239XXX
99-H202	204XXX	99-H114	141XXX
99-H103	106XXX	99-H214	241XXX
99-H203	206XXX	99-H115	143XXX
99-H104	108XXX	99-H215	243XXX
99-H204	208XXX		
99-H105	112XXX	M22885/	60J
99-H205	212XXX	99-J101	102XXX
99-H106	114XXX	99-J201	202XXX
99-H206	214XXX	99-J102	104XXX
99-H107	116XXX	99-J202	204XXX
99-H207	216XXX	99-J103	106XXX
99-H108	118XXX	99-J203	206XXX
99-H208	218XXX	99-J104	108XXX
99-H109	120XXX	99-J204	208XXX
99-H209	220XXX	99-J105	112XXX
99-H110	113XXX	99-J205	212XXX
99-H210	213XXX	99-J106	114XXX
99-H111	135XXX	99-J206	214XXX
99-H211	235XXX	99-J107	116XXX
99-H112	137XXX	99-J207	216XXX



# MIL CROSS REFERENCE

## Series 60 Pushbuttons (Cont'd)

99-J108 118XXX  
 99-J208 218XXX  
 99-J109 120XXX  
 99-J209 220XXX  
 99-J110 113XXX  
 99-J210 213XXX  
 99-J111 135XXX  
 99-J211 235XXX  
 99-J112 137XXX  
 99-J212 237XXX  
 99-J113 139XXX  
 99-J213 239XXX  
 99-J114 141XXX  
 99-J214 241XXX  
 99-J115 143XXX  
 99-J215 243XXX

### M22885/ 60K

99-K101 102XXX  
 99-K201 202XXX  
 99-K102 104XXX  
 99-K202 204XXX  
 99-K103 106XXX  
 99-K203 206XXX  
 99-K104 108XXX  
 99-K204 208XXX  
 99-K105 112XXX  
 99-K205 212XXX  
 99-K106 114XXX  
 99-K206 214XXX  
 99-K107 116XXX  
 99-K207 216XXX  
 99-K108 118XXX  
 99-K208 218XXX  
 99-K109 120XXX  
 99-K209 220XXX  
 99-K110 113XXX  
 99-K210 213XXX  
 99-K111 135XXX  
 99-K211 235XXX  
 99-K112 137XXX  
 99-K212 237XXX  
 99-K113 139XXX  
 99-K213 239XXX  
 99-K114 141XXX  
 99-K214 241XXX  
 99-K115 143XXX  
 99-K215 243XXX

### M22885/ 60L

99-L101 102XXX  
 99-L201 202XXX  
 99-L102 104XXX  
 99-L202 204XXX  
 99-L103 106XXX  
 99-L203 206XXX  
 99-L104 108XXX  
 99-L204 208XXX  
 99-L105 112XXX  
 99-L205 212XXX  
 99-L106 114XXX  
 99-L206 214XXX  
 99-L107 116XXX  
 99-L207 216XXX  
 99-L108 118XXX  
 99-L208 218XXX  
 99-L109 120XXX  
 99-L209 220XXX  
 99-L110 113XXX  
 99-L210 213XXX  
 99-L111 135XXX  
 99-L211 235XXX

99-L112 137XXX  
 99-L212 237XXX  
 99-L113 139XXX  
 99-L213 239XXX  
 99-L114 141XXX  
 99-L214 241XXX  
 99-L115 143XXX  
 99-L215 243XXX

### M22885/ 60M

99-M101 102XXX  
 99-M201 202XXX  
 99-M102 104XXX  
 99-M202 204XXX  
 99-M103 106XXX  
 99-M203 206XXX  
 99-M104 108XXX  
 99-M204 208XXX  
 99-M105 112XXX  
 99-M205 212XXX  
 99-M106 114XXX  
 99-M206 214XXX  
 99-M107 116XXX  
 99-M207 216XXX  
 99-M108 118XXX  
 99-M208 218XXX  
 99-M109 120XXX  
 99-M209 220XXX  
 99-M110 113XXX  
 99-M210 213XXX  
 99-M111 135XXX  
 99-M211 235XXX  
 99-M112 137XXX  
 99-M212 237XXX  
 99-M113 139XXX  
 99-M213 239XXX  
 99-M114 141XXX  
 99-M214 241XXX  
 99-M115 143XXX  
 99-M215 243XXX

### M22885/ 60N

99-N101 102XXX  
 99-N201 202XXX  
 99-N102 104XXX  
 99-N202 204XXX  
 99-N103 106XXX  
 99-N203 206XXX  
 99-N104 108XXX  
 99-N204 208XXX  
 99-N105 112XXX  
 99-N205 212XXX  
 99-N106 114XXX  
 99-N206 214XXX  
 99-N107 116XXX  
 99-N207 216XXX  
 99-N108 118XXX  
 99-N208 218XXX  
 99-N109 120XXX  
 99-N209 220XXX  
 99-N110 113XXX  
 99-N210 213XXX  
 99-N111 135XXX  
 99-N211 235XXX  
 99-N112 137XXX  
 99-N212 237XXX  
 99-N113 139XXX  
 99-N213 239XXX  
 99-N114 141XXX  
 99-N214 241XXX  
 99-N115 143XXX  
 99-N215 243XXX

### M22885/ 60P

99-P101 102XXX  
 99-P201 202XXX  
 99-P102 104XXX  
 99-P202 204XXX  
 99-P103 106XXX  
 99-P203 206XXX  
 99-P104 108XXX  
 99-P204 208XXX  
 99-P105 112XXX  
 99-P205 212XXX  
 99-P106 114XXX  
 99-P206 214XXX  
 99-P107 116XXX  
 99-P207 216XXX  
 99-P108 118XXX  
 99-P208 218XXX  
 99-P109 120XXX  
 99-P209 220XXX  
 99-P110 113XXX  
 99-P210 213XXX  
 99-P111 135XXX  
 99-P211 235XXX  
 99-P112 137XXX  
 99-P212 237XXX  
 99-P113 139XXX  
 99-P213 239XXX  
 99-P114 141XXX  
 99-P214 241XXX  
 99-P115 143XXX  
 99-P215 243XXX

### M22885/ 60R

99-R101 102XXX  
 99-R201 202XXX  
 99-R102 104XXX  
 99-R202 204XXX  
 99-R103 106XXX  
 99-R203 206XXX  
 99-R104 108XXX  
 99-R204 208XXX  
 99-R105 112XXX  
 99-R205 212XXX  
 99-R106 114XXX  
 99-R206 214XXX  
 99-R107 116XXX  
 99-R207 216XXX  
 99-R108 118XXX  
 99-R208 218XXX  
 99-R109 120XXX  
 99-R209 220XXX  
 99-R110 113XXX  
 99-R210 213XXX  
 99-R111 135XXX  
 99-R211 235XXX  
 99-R112 137XXX  
 99-R212 237XXX  
 99-R113 139XXX  
 99-R213 239XXX  
 99-R114 141XXX  
 99-R214 241XXX  
 99-R115 143XXX  
 99-R215 243XXX

## Series 30 Switch

### M8805/ STACO P/N

99-001 30259-18-A18P  
 99-002 30259-18-B18P  
 99-003 30259-18-C18P  
 99-005 30259-11-A18P  
 99-006 30259-11-B18P  
 99-007 30259-11-C18P  
 99-009 30260-18-A18P  
 99-010 30260-18-B18P  
 99-011 30260-18-C18P  
 99-013 30260-11-A18P  
 99-014 30260-11-B18P  
 99-015 30260-11-C18P  
 99-017 30261-18-A18P  
 99-018 30261-18-B18P  
 99-019 30261-18-C18P  
 99-021 30261-11-A18P  
 99-022 30261-11-B18P  
 99-023 30261-11-C18P  
 99-025 30262-18-A18P  
 99-026 30262-18-B18P  
 99-027 30262-18-C18P  
 99-029 30262-11-A18P  
 99-030 30262-11-B18P  
 99-031 30262-11-C18P  
 99-033 30259-14-A18P  
 99-034 30259-14-B18P  
 99-035 30259-14-C18P  
 99-037 30260-14-A18P  
 99-038 30260-14-B18P  
 99-039 30260-14-C18P  
 99-041 30261-14-A18P  
 99-042 30261-14-B18P  
 99-043 30261-14-C18P  
 99-045 30262-14-A18P  
 99-046 30262-14-B18P  
 99-047 30262-14-C18P  
 99-049 30559-18-A18P  
 99-050 30559-18-B18P  
 99-051 30559-18-C18P  
 99-053 30559-11-A18P  
 99-054 30559-11-B18P  
 99-055 30559-11-C18P  
 99-057 30559-14-A18P  
 99-058 30559-14-B18P  
 99-059 30559-14-C18P  
 99-061 30560-18-A18P  
 99-062 30560-18-B18P  
 99-063 30560-18-C18P  
 99-065 30560-11-A18P  
 99-066 30560-11-B18P  
 99-067 30560-11-C18P  
 99-069 30560-14-A18P  
 99-070 30560-14-B18P  
 99-071 30560-14-C18P  
 99-073 30561-18-A18P  
 99-074 30561-18-B18P  
 99-075 30561-18-C18P  
 99-077 30561-11-A18P  
 99-078 30561-11-B18P  
 99-079 30561-11-C18P  
 99-081 30561-14-A18P  
 99-082 30561-14-B18P  
 99-083 30561-14-C18P  
 99-085 30562-18-A18P  
 99-086 30562-18-B18P  
 99-087 30562-18-C18P  
 99-089 30562-11-A18P  
 99-090 30562-11-B18P  
 99-091 30562-11-C18P  
 99-093 30562-14-A18P  
 99-094 30562-14-B18P  
 99-095 30562-14-C18P