

**DIP Switches, Low Profile, Slide Actuator, Through Hole and Surface Mount**

**FEATURES:**

- Conventional gold wiping contact system
- Available in PC and surface mount configurations
- Traditional tape seal standard
- 95% Minimum solder coverage (90/10 tin lead)
- Withstands wave soldering temperature of 245°C for 3-5 seconds
- Heat deflection temperature of 260°C for surface mount compatibility
- End stackable (GDS version)
- Auto-insertable (GDS and GDB version)
- Vacuum pick and place compatible (GDS, GDB and GDH)
- Half pitch .050" terminal spacing (GDH version)
- Available in optional tape & reel packaging
- Shipped in the off position

**MATERIAL SPECIFICATIONS:**

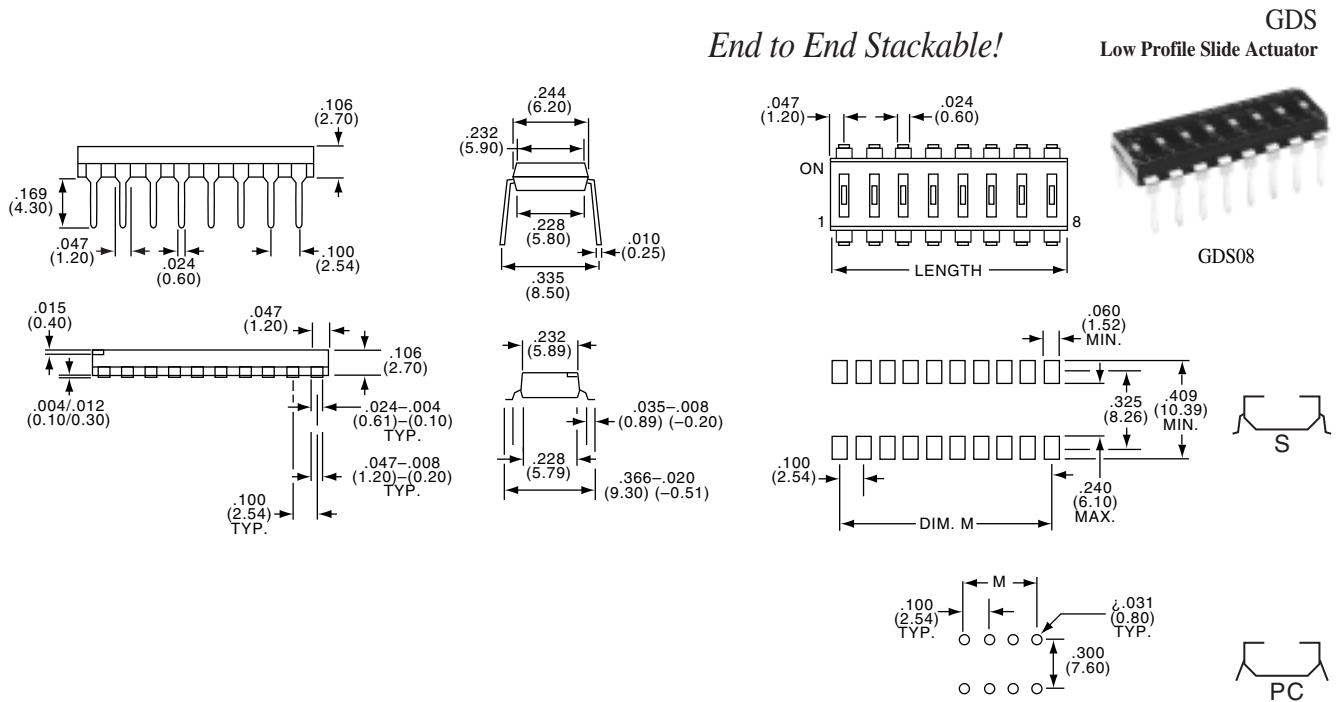
Moving Contact .....Gold over nickel over copper alloy  
 Fixed Contact .....Gold over nickel over copper alloy  
 Base Material .....PPS UL94V-0  
 Cover Material .....PPS UL94V-0  
 Actuator Material .....High temperature polyester/polyamide  
 Terminal .....Tin lead plated over nickel over copper alloy

**TYPICAL PERFORMANCE CHARACTERISTICS:**

Contact Rating .....0.4 VA @ 24 VDC  
 Initial Contact Resistance .....100 Milliohms max.  
 Insulation Resistance .....100 Megohms min. @ 250 VDC  
 Dielectric Strength .....300 VAC  
 Life Expectancy .....1,000 Cycles  
 Operating Force .....60-600 Grams

**ENVIRONMENTAL SPECIFICATIONS:**

Operating Temperature .....-30°C to +85°C  
 Storage Temperature .....-45°C to +100°C  
 Solder Heat Resistance .....See page M3-4



Part Number								Poles	Length	Dim. M
PC Model		S Model		Tape & Reel		S Model No Tape				
Tyco Electronics	Alcoswitch	Tyco Electronics	Alcoswitch	Tyco Electronics	Alcoswitch	Tyco Electronics	Alcoswitch			
5-1437590-5	GDS02	5-1437590-7	GDS02S	5-1437590-8	GDS02STR	5-1437590-6	GDS02NTS	2	.194(4.94)	.100(2.54)
5-1437590-9	GDS04	6-1437590-1	GDS04S	6-1437590-2	GDS04STR	6-1437590-0	GDS04NTS	4	.394(10.02)	.300(7.62)
6-1437590-3	GDS06	6-1437590-5	GDS06S	6-1437590-6	GDS06STR	6-1437590-4	GDS06NTS	6	.594(15.10)	.500(12.7)
6-1437590-7	GDS08	6-1437590-9	GDS08S	7-1437590-0	GDS08STR	6-1437590-8	GDS08NTS	8	.794(20.18)	.700(17.78)
7-1437590-1	GDS10	7-1437590-2	GDS10S	7-1437590-3	GDS10STR	—	—	10	.994(25.26)	.900(22.86)

**A**

**DIP Switches, Piano Actuator, Through Hole and Surface Mount**

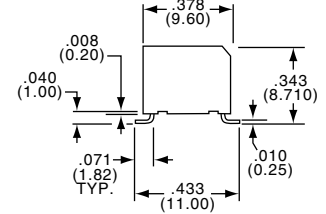
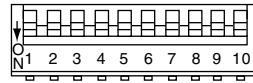
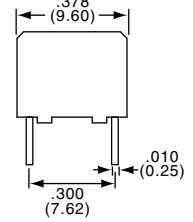
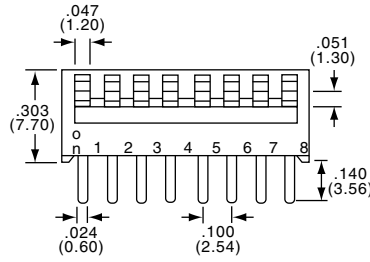
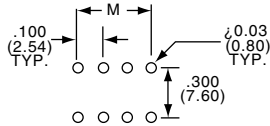
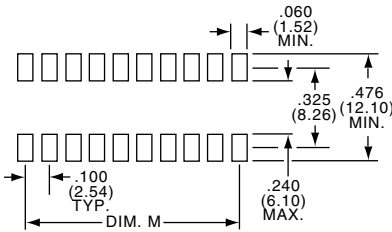
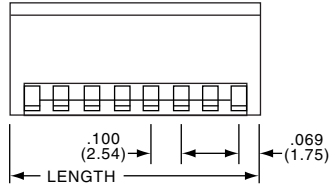
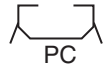
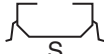
SEE PAGE A3 FOR PRODUCT SPECIFICATIONS

GDP

Classic Profile Piano Actuator



GDP08

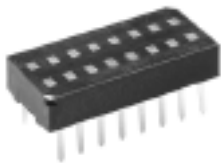


Part Number								Poles	Length	Dim. M
PC Model		S Model		Tape and Reel		S Model No Tape				
Tyco Electronics	Alcoswitch	Tyco Electronics	Alcoswitch	Tyco Electronics	Alcoswitch	Tyco Electronics	Alcoswitch			
3-1437590-2	GDP02	3-1437590-4	GDP02S	1571668-1	GDP02STR	3-1437590-3	GDP02NTS	2	.238(6.04)	.100(2.54)
3-1437590-5	GDP04	3-1437590-7	GDP04S	—	—	3-1437590-6	GDP04NTS	4	.438(11.12)	.300(7.62)
3-1437590-8	GDP06	3-1437590-9	GDP06S	—	—	—	—	6	.638(16.20)	.500(12.7)
4-1437590-0	GDP08	4-1437590-1	GDP08S	4-1437590-2	GDP08STR	—	—	8	.838(21.28)	.700(17.78)
4-1437590-3	GDP10	4-1437590-4	GDP10S	4-1437590-5	GDP10STR	—	—	10	1.038(26.36)	.900(22.86)

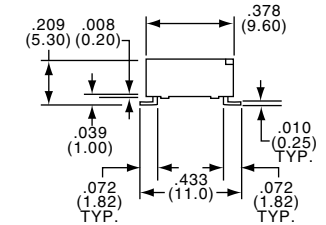
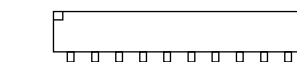
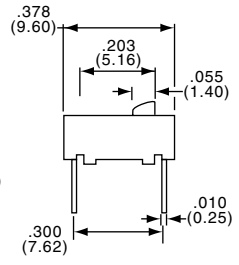
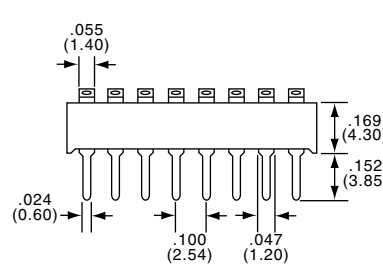
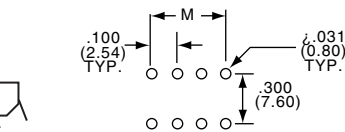
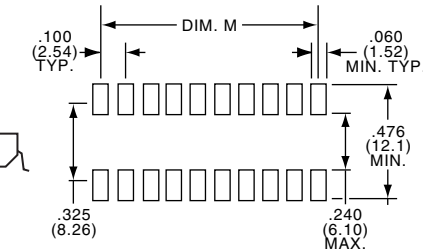
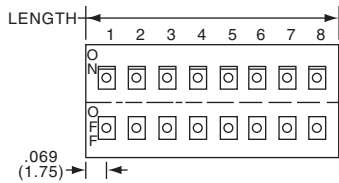
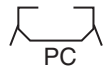
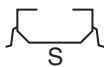
**DIP Switches, Flush Rocker Actuator, Through Hole and Surface Mount**

GDB

Flush Rocker Actuator



GDB08



Part Number								Poles	Length	Dim. M
PC Model		S Model								
Tyco Electronics	Alcoswitch	Tyco Electronics	Alcoswitch							
1437590-1	GDB02	—	GDB02S	2	.238(6.04)	.100(2.54)				
1437590-2	GDB04	1437590-3	GDB04S	4	.438(11.12)	.300(7.62)				
1437590-4	GDB06	1437590-5	GDB06S	6	.638(16.20)	.500(12.7)				
1437590-6	GDB08	1437590-7	GDB08S	8	.838(21.28)	.700(17.78)				
1437590-8	GDB10	1437590-9	GDB10S	10	1.038(26.36)	.900(22.86)				