Switches
Core Program

Tyco Electronics
Our commitment. Your advantage.

sales@prom-elec.com / ООО ПРОМЭЛЕКТРОНИКА

Contents

DIP Switches
GDS Series . . . page 2
GDP Series . . . page 2
GDR Series . . . page 2
GDH Series . . . page 2
GDHL Series . . . page 2
ADE Series . . . page 3
ADF Series . . . page 3
ADP Series . . . page 3
STV, STR Series . . . page 3
DIP Series . . . page 3
HTH DIP Shunts . . . page 4
DIP-Fix . . . page 4
MRD Series . . . page 4
DR-/D/M/S/W Series . . . page 4

Tactile Switches
FSM . SM/JM Series, 3.5 x 6 . . . page 5
FSM . SM/JM LP Series, 4 x 6 . . . page 5
FSM 6 x 6 Series . . . page 5
FSM 10 Series, 12 x 12 . . . page 5
FSM Turtle . . . page 6
FSMMSH Series . . . page 6
FSM . MS Series . . . page 6
FSMCT Series . . . page 6
FSMLPU . . . page 6

Slide Switches
ASE, ASF Series . . . page 7
S, SE Series . . . page 7
STS, SDS Series . . . page 7
TSS Series . . . page 7
MSS, MSSA Series . . . page 7
MSSA-01/04 . . . page 7
MHS Series . . . page 8
SSJ Series . . . page 8
SSA Series . . . page 8
SLS/SL/SLSA Series . . . page 8
MLL Series . . . page 8

Toggle Switches
TST Series . . . page 9
TT Series . . . page 9
Gemini A Series . . . page 9
Gemini AE Series . . . page 9
MT Series . . . page 9
AW Series . . . page 10
F Series . . . page 10

Push Buttons
TP Series . . . page 11
MP Series . . . page 11

Micro Switches
MP Miniature Micro Switch . . . page 12
SP Sub Miniature Micro Switch . . . page 12
UP Ultra Miniature Micro Switch . . . page 12

Power Rocker Switches
PRA Series . . . page 13
PRC Series . . . page 13
PRE Series . . . page 13
PRF Series . . . page 13
PRG Series . . . page 13

Preferred Parts List
DIP Switches . . . page 14
Tactile Switches . . . page 17
Slide Switches . . . page 19
Toggle Switches . . . page 22
Push Buttons . . . page 22
Micro Switches . . . page 25
Power Rocker Switches . . . page 26

Please note that the product range in this catalog represents a part of the complete range of Tyco Electronics switches only.

For additional products in the listed product groups as well as for

- Rotary Switches,
- Keylock Switches,
- Industrial Controls,
- Pushwheel Switches and
- Accessories as knobs, caps, boot seals and the respective hardware

please contact our sales office or see our products under www.tycoelectronics.com.

Catalogue No. 1308111
Issued 03/2008

DIP Switches - GD Series, High Feature Line

GDS Series

- Low profile
- End stackable
- Auto insertable
- Gold contacts

GDP Series

- Piano actuator
- Classic profile
- Gold contacts

GDR Series

- Recessed rocker actuator
- Classic profile
- Gold contacts

Dips			
Standard number of positions	2, 4, 6, 8, 10	2, 4, 6, 8, 10	2, 4, 6, 8, 10
Mounting style	THT, SMT	THT, SMT	THT, SMT
Tape seal	Yes	Yes	Yes
Contact rating	25 mA @ 24 Vdc	25 mA @ 24 Vdc	25 mA @ 24 Vdc
Electrical endurance	1000 ops.	1000 ops.	1000 ops.
Operating temperature range	-30…+85°C	-30…+85°C	-30…+85°C
Dimensions (WxH)	6.2 x 2.7 mm	9.6 x 8.7 mm	9.6 x 6.9 mm
Packaging	Tube, Tape and Reel	Tube, Tape and Reel	Tube, Tape and Reel

GDH Series

- Low profile
- Half pitch
- Gold contacts

GDHL Series

- Ultra low profile
- Half pitch
- Gold contacts

Dips		
Standard number of positions	2, 4, 6, 8, 10	2, 4, 6, 8, 10
Mounting style	SMT	SMT
Tape seal	Yes	Yes
Contact rating	25 mA @ 24 Vdc	25 mA @ 24 Vdc
Electrical endurance	1000 ops.	1000 ops.
Operating temperature range	-30…+85°C	-30…+85°C
Dimensions (WxH)	6.2 x 3.2 mm	4.5 x 1.45 mm
Packaging	Tape and Reel	Tube, Tape and Reel

DIP Switches - AD Series, SIP Switches, DIP Series

ADE Series

- Extended actuator
- High pressure contact system
- Processable without tape seal
- Auto insertable

ADF Series

- Flush actuator
- High pressure contact system
- Processable without tape seal
- Auto insertable

ADP Series

- Piano actuator
- High pressure contact system
- Processable without tape seal
- Auto insertable

Dips			
Standard number of positions	2…12	2…12	2, 4, 6, 8, 10
Mounting style	THT, SMT	THT, SMT	THT, SMT
Tape seal	No	Optional	No
Contact rating	100 mA @ 24 Vdc	100 mA @ 24 Vdc	100 mA @ 24 Vdc
Electrical endurance	1000 ops.	1000 ops.	1000 ops.
Integral resistors	Optional	Optional	No
Operating temperature range	-30…+85°C	-30…+85°C	-30…+85°C
Dimensions (WxH)	7.5 x 3.5 mm	7.5 x 3.5 mm	8.8 x 6.8 mm
Packaging	Tube	Tube, Tape and Reel	Tupe, Tape and Reel

STV, STR Series

- Low profile
- High pressure contact system
- Processable without tape seal

DIP Series

- Up to 30 poles
- Action pins up to 9 poles
- High contact force to break through oxide or dirt layers

Dips		
Standard number of positions	2, 4, 6, 8, 10	1-30
Mounting style	THT	THT, Action pins
Tape seal	No	No
Contact rating	25 mA @ 24 Vdc	25 mA @ 50 Vdc
Electrical endurance	1000 ops.	2000 ops.
Operating temperature range	-30…+85°C	-25…+70°C
Dimensions (WxH)	3.2 x 6.2 mm	10.0 x 8.5 mm
Packaging	Tube	Tube

DIP Shunts, DIP-Fix, Rotary DIP Switches

HTH DIP Shunts

- **Machine insertable shunt on request**

DIP-Fix

- **Highly simplified DIP switch with change over option**
- **Low cost alternative**
- **Predetermined breaking points**

Shunts, DIP-Fix		
Standard number of positions	4, 6, 8, 10, 12	1-10, 12, 16, 24
Mounting style	THT	THT
Tape seal	No	No
Contact rating	up to 2 A	up to 0.5 A
Electrical endurance	-	50 ops.
Operating temperature range	-30…+85°C	-40…+85°C
Dimensions (WxH)	6.,0 x 2.0 mm	12.4 x 8.1 mm
Packaging	Tube	Tray

MRD Series

- **Low profile**
- **Process sealed**
- **7 mm edge length**

DR-/D/M/S/W Series

- **Process sealed**
- **10 mm edge length**

Rotary Dips		
Right angle versions	for THT version only	for THT version only
Standard number of positions	10, 16	10, 16
Mounting style	THT, SMT	THT, SMT
Actuator style	Flush actuator only	Flush, Mini plastic shaft, Wheel, Metal shaft
Flush actuator versions	Yes	Yes
Output Code	BCD, BCD compl., Hex, Hex compl.	BCD, BCD compl., Hex, Hex compl.
Tape seal	Optional	Optional
Contact rating	20 mA @ 20 Vdc	20 mA @ 20 Vdc
Electrical endurance	20,000 ops.	20,000 ops.
Operating temperature range	-30…+85°C	-30…+85°C
Dimensions (LxWxH)	7 x 7 x 3.3 mm	10 x 10 x 6.8 mm
Packaging	Tube, Tape and Reel	Tube, Tape and Reel (for SMT version only)

Tactile Switches

FSM . SM/JM Series

- **Small PCB footprint**

FSM . SM/JM LP Series

- **Small PCB footprint**
- **Low profile**
- **SMT and SMT up pinning**

FSM 6 x 6 Series

- **Different actuator and mounting versions**
- **105°C versions available**

Tactiles			
Style	3.5 x 6	4 x 6	6 x 6
Mounting style	THT, SMT	SMT	THT, SMT
Right angle versions	No	No	Yes
Low profile versions	No	Standard	Yes
Flush actuator version	Yes	No	Yes
Different actuator styles	Yes	No	Yes
ESD grounding term./locating post	No / No	No / No	Optional / No
Sealed versions	Yes	No	Yes
Standard actuation force	1.3, 1.8 N	1.6, 2.6 N	1.0, 1.6, 2.6, 5.2 N
Electrical endurance	up to 100,000 ops.	up to 1,000,000 ops.	up to 2,000,000 ops.
Operating temperature range	-40…+85°C	-40…+85°C	-40…+85°C, (+105°C)
Dimensions horizontal ver. (LxWxH)	3.5 x 6 x 4.3...5 mm	4.2 x 6 x 2.5 mm	6 x 6 x 4.3…17 mm
Dimensions sealed ver. (LxWxH)	4.7 x 6.8 x 4.3…5 mm	-	-
Packaging	Tape and Reel, Bulk	Tape and Reel	Tape and Reel, Bulk

FSM 10 Series

- **Different actuator and mounting versions**

Tactiles	
Style	12 x 12
Mounting style	THT, SMT
Right angle versions	Yes
Low profile versions	No
Flush actuator version	Yes
Different actuator styles	Yes
ESD grounding term./locating post	No / Optional
Sealed versions	Yes
Standard actuation force	1.6, 2.6 N
Electrical endurance	up to 1,000,000 ops.
Operating temperature range	-35…+85°C
Dimensions horizontal ver. (LxWxH)	12 x 12.5 x 4.3…12 mm
Dimensions sealed ver. (LxWxH)	12 x 12.5 x 4.3…7.3 mm
Packaging	Tape and Reel, Bulk

Tactile Switches

FSM Turtle

■ **Side actuated tactile**

FSMMSH Series

■ **Small PCB space required**

■ **Side actuated**

FSM . MS Series

■ **Low profile**

■ **Side actuated**

Tactiles			
Style	Turtle	Miniature side actuated	Miniature side actuated
Mounting style	SMT	SMT	SMT
Right angle versions	No	Yes	Yes
Low profile versions	No	No	No
Flush actuator version	No	No	No
Different actuator styles	No	No	No
ESD grounding term./locating post	No / Optional	No / Optional	No / Optional
Sealed versions	No	No	No
Standard actuation force	1.6 N	1.6 N	2.2, 2.5 N
Electrical endurance	100,000 ops.	100,000 ops.	100.000 ops.
Operating temperature range	-20…+85°C	-20…+70°C	-20…+85°C
Dimensions horizontal ver. (LxWxH)	4.0 x 7.15 x 1.7 mm	4.5 x 2.55 x 3.3 mm	refer to catalogue
Dimensions sealed ver. (LxWxH)	-	-	-
Packaging	Tape and Reel, Bulk	Tape and Reel	Tape and Reel

FSMCT Series

■ **Low profile**

FSMLPU

■ **Ultra low profile**

■ **0.6 mm high only**

Tactiles		
Style	5 x 5	5 x 5
Mounting style	SMT	SMT
Right angle versions	No	No
Low profile versions	No	Standard
Flush actuator version	No	Standard
Different actuator styles	No	No
ESD grounding term./locating post	No / No	No / No
Sealed versions	No	No
Standard actuation force	1.6, 2.6 N	1.6 N
Electrical endurance	up to 1,000,000 ops.	500.000 ops.
Operating temperature range	-20…+85°C	-20…+70°C
Dimensions horizontal ver. (LxWxH)	5.2 x 5.2 x 1.5 mm	4.8 x 4.8 x 0.6 mm
Dimensions sealed ver. (LxWxH)	-	-
Packaging	Tape and Reel	Tape and Reel

Dimensions are in mm and are shown for reference purposes only.

Specifications subject to change.

Slide Switches

ASE, ASF Series

- **Bifurcated double wipe contacts, also for telecom grade switching**
- **ASF for auto insertion on standard IC equipment**

S, SE Series

- **Compact slide switch**
- **S: unsealed**
  SE: sealed (IP 67)

STS, SDS Series

- **Miniature slide switch**
- **STS: economy grade**
  SD: instrumentation grade
- **Low profile**

Slide switch			
Number of poles	2, 4, 6	1 or 2	1 or 2
Number of throws	2, 3 (available in 4 pole only)	1,2	up to 6
Contact timing	Make before Break	Break before Make	Make before Break
Right angle versions	Yes	Yes	Yes
Mounting style	SMT, THT	SMT, THT	THT
Actuator style	ASF: Flush top actuator ASE: Extended top or side ASFO: Flush top or side	SE: Actuator with boot sealing	SDS: on request
Flush actuator version	ASF: Yes, ASE: No	No	No
Tape seal	ASF: Yes, ASE: No	No	No
Contact rating	Gold: 20 mA @ 20 Vdc Silver: 300 mA @ 115 Vac, 28 Vdc	20 mA@ 20 Vdc	300 mA @ 125 Vac
Electrical endurance	10,000 ops.	10,000 ops.	10,000 ops.
Operating temperature range	-40…+80°C	-20…+80°C	-15…+60°C
Dimensions (LxWxH)	refer to catalogue	9.5 x 5 x 8.0 mm	refer to catalogue
Packaging	Tube	Tray, Tape and Reel	Bulk

TSS Series

- **Single or dual actuator**

MSS, MSSA Series

- **Instrumentation grade**

MSSA-01/04 Series

- **Instrumentation grade**
- **Top and side actuator**

Slide switch			
Number of poles	up to 4	up to 6	up to 2
Number of throws	1 or 2	up to 4	2
Contact timing	Break before Make	Make before Break	Break before Make
Right angle versions	Yes	Yes	Yes
Mounting style	THT	THT	THT
Actuator style	Standard	Standard / MSSA: Position snap	Standard
Flush actuator version	Yes	No	Yes
Tape seal	No	No	No
Contact rating	20 mA @ 20 Vdc	Gold: 20 mA @ 20 Vdc Silver: 300 mA @ 125 Vac	Gold: 20 mA @ 20 Vdc Silver: 3A@115Vac, 1.5A@230Vac
Electrical endurance	80,000 ops.	15,000 ops.	30,000 ops.
Operating temperature range	-20…+80°C	-20…+85°C	-20…+85°C
Dimensions (LxWxH)	refer to catalogue	refer to catalogue	MSSA1: 11.9 x 6.4 x 8 mm MSSA2: 11.9 x 11.4 x 8 mm
Packaging	Bulk	Tray	Bulk

Slide Switches

MHS Series

- **Low profile**
- **Instrumentaion grade**

SSJ Series

- **Micro size**
- **Instrumentation grade**

SSA Series

- **Micro size**
- **Instrumentation grade**

Slide switch	MHS Series	SSJ Series	SSA Series
Number of poles	up to 2	1	up to 2
Number of throws	up to 3	3	2
Contact timing	Make before Break	Make before Break	Make before Break
Right angle versions	Yes	Yes	Yes
Mounting style	THT	THT	THT
Actuator style	Standard and Baton	Standard	Standard
Flush actuator version	No	No	No
Tape seal	No	No	No
Contact rating	Gold: 20 mA @ 20 Vdc Silver: 300 mA @ 125 Vac	100 mA @ 12 Vdc	Gold: 20 mA @ 20 Vdc Silver: 100 mA @ 30 Vac
Electrical endurance	15,000 ops.	10,000 ops.	up to 10,000 ops.
Operating temperature range	-20…+100°C	-10…+60°C	-20…+80°C
Dimensions (LxWxH)	16.0 x 6.7 x 7.5 mm	10.2...15.8 x 4 x 5.5 mm	9.0…15.0 x 3.4…5.6 x 4.8 mm
Packaging	Tray	Tray	Bulk

SLS/SL/SLSA Series

- **Wiping contact**
- **Consumer grade**

MLL Series

- **Low profile**

NEW

Slide switch	SLS/SL/SLSA Series	MLL Series
Number of poles	up to 2	1
Number of throws	up to 10	up to 3
Contact timing	Break before Make	Make before Break
Right angle versions	Yes	Standard
Mounting style	THT	SMT
Actuator style	Standard, Lever / Knob Actuator	Standard
Flush actuator version	No	No
Tape seal	No	No
Contact rating	SLS/SL: 250 mA @ 125 Vac, 150 mA @ 12 Vdc SLA: 500 mA @ 125 Vac	300 mA; 4 Vdc
Electrical endurance	10,000 ops.	10,000 ops.
Operating temperature range	SLS/SL: -10…+60°C, SLA: -20…+85°C	20…+85°C
Dimensions (LxWxH)	refer to catalogue	6.7...9.7 x 2.6 x 1.4
Packaging	Bulk	Tube, Tape and Reel

Dimensions are in mm and are shown for reference purposes only.

Specifications subject to change.

Toggle Switches

TST Series

- **Sub miniature toggle switch**
- **Sealed**

TT Series

- **Sub miniature toggle switch**
- **Boot seal available**

Gemini Series A

- **Miniature toggle switch**

Toggles			
Number of poles	1	up to 4	1 or 2
Contact timing	Break before Make	Break before Make	Break before Make
Right angle versions	Yes	right angle and vertical right angle	right angle and vertical right angle
Standard number of positions	2 or 3	2 or 3	2 or 3
Terminals / Mounting style	THT	THT, Wire lug, Wire wrap; Various bushings versions	THT, Wire lug, Quick connect, Wire wrap, Support brackets; Various bushings versions
Actuator style	Various lenghts	Various lengths, round, flat, locking	different lenghts, round, flat, locking; rocker style
Contact rating	20 mA @ 20 Vac/dc	Gold: 20 mA @ 20 Vdc Silver (2pos): 3A@125Vac, 28Vdc Silver (3pos): 2A@125Vac, 28Vdc	2 A @ 250 Vac
Electrical endurance	80,000 ops.	60,000 ops.	40,000 ops.
Operating temperature range	-30…+85°C	-30…+85°C	-30…+85°C
Dimensions case (LxWxH)	8.1 x 5.0 x 9.1 mm	8.1 x 6 x 8.8...15.7 mm	12.7 x 6.9…16.8 x 10.4 mm
Packaging	Bulk	Bulk	Bulk

Gemini Series AE

- **Miniature toggle switch sealed**
- **Meets requirements of IP67**

MT Series

- **Toggle switch**

Toggles		
Number of poles	1 or 2	up to 4
Contact timing	Break before Make	Break before Make
Right angle versions	right angle and vertical right angle	right angle and vertical right angle
Standard number of positions	2 or 3	2 or 3
Terminals / Mounting style	THT, Wire lug, Quick connect, Wire wrap, Support brackets	THT, Wire lug
Actuator style	different lenghts, round, flat; rocker style	Lenghts, round, flat, Mustang, splash proof bat actuator, locking, decorative bat actuator
Contact rating	2 A @ 250 Vac	3 A @ 250 Vac,4 A @ 28 Vdc
Electrical endurance	30,000 ops.	80,000 ops.
Operating temperature range	-30…+85°C	-20…+85°C
Dimensions case (LxWxH)	12.7 x 6.6…11.4 x 10.3 mm	13 x 8…22.5 x 11.5 mm
Packaging	Bulk	Bulk

Toggle Switches

AW Series

- **IP67 panel mounting seal**
- **Sleeve & Frame perfect sealed**

F Series

- **Terminals are gold-flashed**
- **Wide range of switching functions**
- **Wide choice of toggles**

Toggles	AW Series	F Series
Number of poles	1, 2 and 4	up to 4
Contact timing	Break before Make	Break before Make
Right angle versions	No	No
Standard number of positions	2 or 3	2 or 3
Terminals / Mounting style	Quick connect	Leadwire hooking
Actuator style	Standard Toogle	Standard, long, locking; rocker style
Contact rating	20 A @ 250 Vac	6 A @ 250 Vac
Electrical endurance	20,000 ops.	50,000 ops.
Operating temperature range	-20…+70°C	-20…+70°C
Dimensions case (LxWxH)	33 x 19.5...36.5 x 24.5 mm	14.8 x 8...23 x 10.5 mm
Packaging	Bulk	Bulk

Push Buttons

TP Series

- **Miniature**
- **Dual actuator available**

MP Series

- **Caps in different colours**

Push buttons		
Number of poles	1 or 2	up to 4
Contact timing	Break before Make	Break before Make
Right angle versions	right angle and vertical right angle	No
Sealing	Process sealed optional	MPE: splash proof (meets IP65)
Mounting style	THT, Wire lug, different bushing styles	THT, Panel mount, Wire lug
Actuator style	round, rectangular	Optional caps for MPA, MPE
Flush actuator versions	Yes	No
Contact rating	Gold: 20 mA @ 20 Vdc Silver: 1 A @ 125 Vac, 28 Vdc	6 A @ 120 Vac, 3 A @ 250 Vac
Electrical endurance	100,000 ops.	50,000 ops.
Operating temperature range	-30…+65°C	-20…+80°C
Dimensions case (LxWxH)	8.1 x 5.2 x 8.1 mm	13 x 8.1...22.5 x 14...17.3 mm
Packaging	Bulk	Bulk

Micro Switches

Micro switch	MP Miniature Micro Switch Series ■ Low and high current versions	SP Sub Miniature Micro Switch Series ■ Various actuator and mounting options	UP Ultra Miniature Micro Switch Series ■ Different mounting options ■ Silver or gold contacts
Contact configuration	SPDT, SPNC, SPNO	SPDT	SPDT
Right angle versions	No	No	left and right
Mounting style	Solder or Spade	TAB, THT, Solder terminals	THT
Actuator style	Pin plunger, short, normal, simulator lever, roller	Pin plunger, normal, long, simulator lever, roller	Straight lever, without lever
Standard actuation force	16 A Version: 1.2, 2.0, 3.0 N 0.1 A Version: 0.55 N	0.8…2.5 N	0.3…1.5 N
Contact rating	16 A @ 250 Vac 0.1 A @ 250 Vac	5 A @ 250 Vac	UP3 version: 3A @ 125 Vac UP01 version: 0.1 @ 30 Vdc
Electrical endurance	up to 100,000 ops.	up to 50,000 ops.	1,000,000 ops.
Operating temperature range	-25…+130°C	-25…+80°C	-25…+80°C
Approvals	UL, cUL, ENEC	UL, cUL, ENEC	UL
Dimensions (LxWxH)	27.8 x 10.2 x 15.9 mm	19.8 x 6.4 x 10.6 mm	12.7 x 5.8 x 6.7 mm
Packaging	Tray	Tray	Tray

Dimensions are in mm and are shown for reference purposes only.
Specifications subject to change.

Power Rocker Switches

PRA Series

- 13.0 mm x 19.2 mm panel cut-out
- Easy snap-in mounting

PRC Series

- IP 66 waterproof
- 21.2 mm x 36.6 mm panel cut-out
- Easy snap-in mounting

PRE Series

- 19.4 mm x 22.2 mm panel cut-out
- Easy snap-in mounting

Power Rocker Switch	PRA Series	PRC Series	PRE Series
Number of poles	1 or 2	1 or 2	2
Sealing	Dust resistant, optional waterproof cover	IP 66 waterproof	Dust resistant
Type of terminals	Solder lug or Quick connect	Solder lug, Quick connect, Screw	Solder lug or Quick connect
Illumination versions	single pole versions only	No	Yes
Contact rating	1 pole version: 10A @ 250 Vac 2 pole version: 6A @ 250 Vac	10A @ 250 Vac	6 A @ 250 Vac
Electrical endurance	≥ 6,000 ops.	≥ 6,000 ops.	≥ 10,000 ops.
Operating temperature range	-20…+85°C	-20…+85°C	-20…+85°C
Approvals	1 pole vers.: cUL (VDE, ENEC) 2 pole vers.: cUL	UL	UL, VDE, ENEC
Packaging	Tray	Tray	Tray

PRF Series

- 22.2 mm x 30.2 mm panel cut-out
- Easy snap-in mounting

PRG Series

- 11.2 mm x 30.2 mm panel cut-out
- Easy snap-in mounting

Power Rocker Switch	PRF Series	PRG Series
Number of poles	2	1
Sealing	Dust resistant	Dust resistant
Type of terminals	Solder lug or Quick connect	Solder lug or Quick connect
Illumination versions	Yes	Yes
Contact rating	10 A @ 250 Vac	10 A @ 250 Vac
Electrical endurance	≥ 10,000 ops.	≥ 6,000 ops.
Operating temperature range	-20…+85°C	-20…+85°C
Approvals	UL, VDE, ENEC	UL, VDE, ENEC
Packaging	Tray	Tray

Preferred Part Numbers - DIP Switches

GDS Series

Product key	Positions	Mounting	Packaging	Part number
GDS0204	2	THT	tube	1825006-1
GDS02S04		SMT		1825006-3
GDS02STR04			tape and reel	1825006-4
GDS0404	4	THT	tube	1825006-5
GDS04S04		SMT		1825006-7
GDS04STR04			tape and reel	1825006-8
GDS0604	6	THT	tube	1825006-9
GDS06S04		SMT		1-1825006-1
GDS06STR04			tape and reel	1-1825006-2
GDS0804	8	THT	tube	1-1825006-3
GDS08S04		SMT		1-1825006-5
GDS08STR04			tape and reel	1-1825006-6
GDS1004	10	THT	tube	1-1825006-7
GDS10S04		SMT		1-1825006-9
GDS10STR04			tape and reel	2-1825006-0

GDP Series

Product key	Positions	Mounting	Packaging	Part number
GDP0204	2	THT	tube	1571998-1
GDP02STR04		SMT	tape and reel	1571998-4
GDP0404	4	THT	tube	1571998-5
GDP04STR04		SMT	tape and reel	1571998-8
GDP0604	6	THT	tube	1571998-9
GDP06STR04		SMT	tape and reel	1-1571998-2
GDP0804	8	THT	tube	1-1571998-3
GDP08STR04		SMT	tape and reel	1-1571998-6
GDP1004	10	THT	tube	1-1571998-7
GDP10STR04		SMT	tape and reel	2-1571998-0

GDR Series

Product key	Positions	Mounting	Packaging	Part number
GDR0404	4	THT	tube	1825286-3
GDR04S04		SMT		1825286-4
GDR0804	8	THT		1825286-7
GDR08S04		SMT		1825286-8

GDH Series

Product key	Positions	Mounting	Packaging	Part number
GDH02S04	2	SMT	tube	1571983-1
GDH02STR04			tape and reel	1571983-3
GDH04S04	4		tube	1571983-4
GDH04STR04			tape and reel	1571983-5
GDH06STR04	6			1571983-9
GDH08S04			tube	1-1571983-0
GDH08STR04	8		tape and reel	1-1571983-1

GDHL Series

Product key	Positions	Mounting	Packaging	Part number
GDHL04S	4	SMT	tube	1977103-3
GDHL04STR			tape and reel	1977103-4
GDHL08S	8		tube	1977103-7
GDHL08STR			tape and reel	1977103-8

ADE Series

Product key	Positions	Mounting	Packaging	Part number
ADE0204	2	THT	tube	1825057-1
ADE0404	4			1825057-3
ADE04S04		SMT		1825058-7
ADE0604	6	THT		1825057-5
ADE0804	8			1825057-7
ADE08S04		SMT		1-1825058-9
ADE1004	10	THT		1825057-9

ADF Series

Product key	Positions	Mounting	Packaging	Part number
ADF flush actuator				
ADF0204	2	THT	tube	1825002-1
ADF0404	4			1825002-5
ADF0604	6			1825002-9
ADF0804	8			1-1825002-3
ADF1004	10			1-1825002-7
ADF flush actuator with seal tape				
ADF02STTR04	2	SMT	tape and reel	1825059-6
ADF04STTR04	4			1-1825059-8
ADF06STTR04	6			3-1825059-0
ADF08STTR04	8			4-1825059-2
ADF10STTR04	10			5-1825059-4

Dimensions are in mm and are shown for reference purposes only.
Specifications subject to change.

Preferred Part Numbers - DIP Switches, DIP Shunts, Rotary (Continued)

ADP Series

Product key	Positions	Mounting	Packaging	Part number
ADP0204	2	THT	tube	1571999-1
ADP02STR04		SMT	tape and reel	1571999-4
ADP0404	4	THT	tube	1571999-6
ADP04STR04		SMT	tape and reel	1571999-9
ADP0604	6	THT	tube	1-1571999-6
ADP06STR04		SMT	tape and reel	1-1571999-9
ADP0804	8	THT	tube	2-1571999-6
ADP08STR04		SMT	tape and reel	2-1571999-9
ADP1004	10	THT	tube	3-1571999-6
ADP10STR04		SMT	tape and reel	3-1571999-9

STV, STR Series

Product key	Positions	Mounting	Packaging	Part number
STV04	4	THT, vertical	tube	1977104-2
STV08	8			1977104-4
STR04	4	THT, horizontal		1977105-2
STR08	8			1977105-4

DIP Series

Product key	Positions	Mounting	Packaging	Part number
DIP01	1	THT	tube	5161390-1
DIP02	2			5161390-2
DIP03	3			5161390-3
DIP04	4			5161390-4
DIP05	5			5161390-5
DIP08	8			5161390-8

HTH DIP Shunts

Product key	Positions	Mounting	Packaging	Part number
HTH04	4	THT	tube	1825190-3
HTH08	8			1825190-7

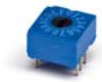
DIP-Fix

Product key	Positions	Mounting	Packaging	Part number
DIP-FIX-A104	4	THT	trays	1393546-4
DIP-FIX-A108	8			1393546-8
DIP-FIX-A124	24			1-1393546-3
DIP-FIX-A201	1 changeover			1-1393546-4
DIP-FIX-A202	2 changeover			1-1393546-5
DIP-FIX-A204	4 changeover			1-1393546-7
DIP-FIX-A212	12 changeover			2-1393546-0

MRD Series

Product key	Positions	Mounting	Packaging	Part number
MRD1004	10/BCD	THT	tube	1825013-1
MRD10STR04		SMT	tape and reel	1-1825013-1
MRD10CSTR04	10/BCD compl.			1825013-6
MRD1604	16/Hex	THT	tube	1-1825013-1
MRD16STR04		SMT	tape and reel	2-1825013-0
MRD16CSTR04	16/Hex compl.			1-1825013-6

DR-/D/M/S/W Series



Product key	Positions	Mounting	Packaging	Part number
DRD10CE04	10/BCD compl.	THT	tube	1825007-1
DRD10E04	10/BCD			1825007-6
DRD10SETR04		SMT	tape and reel	1-1825007-0
DRD16CE04	16/Hex compl.	THT	tube	1-1825007-1
DRD16E04	16/Hex			1-1825007-6
DRD16SETR04		SMT	tape and reel	2-1825007-0
DRM10RA04	10/BCD	THT	tube	1825008-6
DRM16RA04	16/Hex			1825008-8

Preferred Part Numbers - Tactile Switches

FSM . SM/JM Series, 3,5 x 6

Product key	Act. Force	Height	Mounting	Packaging	Part number
FSM SM/JM					
FSM2L	1.3 N	5 mm	THT	bulk	1825965-1
FSM1L		4.3 mm			1825966-1
FSM1SM	1.8 N		SMT		1437566-3
FSM1SMTR				tape and reel	1437566-4
FSM1JMTR		4.3 mm	SMT/J		147873-2
FSM2JMTR		5 mm			147873-1
FSM SM/JM S, Sealed					
FSM2S	1.3 N	5 mm	THT	bulk	1571297-1
FSM2SSMTR			SMT	tape and reel	1571298-2
FSM1SJMTR		4.3 mm	SMT/J		1571299-2
FSM2SJMTR		5 mm			1571299-4

FSM . SM/JM LP Series, 4 x 6

Product key	Act. Force	Height	Mounting	Packaging	Part number
FSMJMLPTR	1.6 N	2.5 mm	SMT/J	tape and reel	1571528-1
FSMJMLPATR	2.6 N				1571528-2
FSMSMLPTR	1.6 N		SMT		1825086-1
FSMSMLPATR	2.6 N				1825086-2

Preferred Part Numbers - Tactile Switches (Continued)

FSM 6 x 6 Series

Product key	Act. Force	Height	Mounting	Packaging	Part number
FSMJ Series					
FSM2JH	1.6 N	4.3 mm	THT	bulk	1825910-2
FSM2JAH	2.6 N				1825910-3
FSMCD, Square Button					
FSMCD1H	1.6 N	7.5mm, □ 2.42mm	THT	bulk	1825967-1
FSMCD2H		7.5mm, □ 2.8mm			1825967-2
FSMRACD, Square Button, Right Angle					
FSMRACD1H	1.6 N	6.35mm, □ 2.42mm	THT	bulk	1825968-1
FSMRACD2H		6.35mm, □ 2.8mm			1825968-2
FSMJSM, SMT Mounting					
FSM2JSMLS	1.0 N	4.3 mm	SMT	bulk	1977223-1
FSM2JSMLSTR				tape and reel	1977223-2
FSM2JSMAS	1.6 N			bulk	1977223-3
FSM2JSMASTR				tape and reel	1977223-4
FSM2JSMAAS	2.6 N			bulk	1977223-5
FSM2JSMAASTR				tape and reel	1977223-6
FSM4JSMXLS	0.7 N	5 mm		bulk	1-1977223-3
FSM4JSMXLSTR				tape and reel	1-1977223-4
FSM4JSMAS	1.6 N			bulk	1977223-9
FSM4JSMASTR				tape and reel	1-1977223-0
FSM4JSMAAS	2.6 N			bulk	1-1977223-1
FSM4JSMAASTR				tape and reel	1-1977223-2
FSM6JSMAS	1.6 N	7 mm		bulk	1-1977223-7
FSM6JSMASTR				tape and reel	1-1977223-8
FSM6JSMAAS	2.6 N			bulk	1-1977223-9
FSM6JSMAASTR				tape and reel	2-1977223-0
FSMJEL, Extendet Life, J-Lead					
FSM2JELJ	1.6 N	2.5 mm	SMT/J	bulk	1571625-5
FSM2JELJTR				tape and reel	1571625-6
FSMJEL, Extendet Life, Gull Wing					
FSM2JELG	1.6 N	2.5 mm	SMT/G	bulk	1571626-5
FSM2JELGTR				tape and reel	1571626-6
FSMJEL, Extendet Life, Gull Wing, Ground Terminal					
FSM2JELGE	1.6 N	2.5 mm	SMT/G	bulk	1571636-5
FSM2JELGETR				tape and reel	1571636-6
FSM1LP, Low Profile					
FSM1LPS	1.6 N	3.09 mm	SMT	bulk	1977263-1
FSM1LPSTR				tape and reel	1977263-2
FSM1LPAS	2.6 N			bulk	1977263-3
FSM1LPASTR				tape and reel	1977263-4
FSMJS, Sealed 7.6 mm					
FSM1JSSM	1.6 N	3.3 mm	SMT	bulk	1571296-1
FSM1JSSMTR				tape and reel	1571296-2
FSM2JS		4.3 mm	THT	bulk	1571295-1
FSM2JSSM			SMT		1571294-1
FSM2JSSMTR				tape and reel	1571294-2
FSM4JS		5 mm	THT	bulk	1571295-2
FSM4JSSM			SMT		1571294-3
FSM4JSSMTR				tape and reel	1571294-4
FSMJS, Sealed 6 mm					
FSM1JS6	1.6 N	4,3 mm	THT	bulk	1977121-1
FSM2JS6SM			SMT		1977265-1
FSM2JS6SMTR				tape and reel	1977265-2
FSMRAJS, Sealed Right Angle					
FSMRAJS1SM	2.6 N		SMT	bulk	1571407-1
FSMRAJS1SMTR				tape and reel	1571407-2
FSMRAJ, Right Angle		Shaft length			
FSMRA1JH	1.6 N	0.55 mm	THT	bulk	1825027-2
FSMRA2JH		1.25 mm			1825027-5
FSMRA3JH		3.25 mm			1825027-8
FSMRA4JH		5.74 mm			1-1825027-1
FSMRA5JH		3.55 mm			1-1825027-4
FSMRA6JH		4.25 mm			1-1825027-7
FSMRA7JH		9.25 mm			2-1825027-0
FSMRA8JH		13.26 mm			2-1825027-3

Preferred Part Numbers - Tactile Switches (Continued)

FSM 10 Series, 12 x 12

Product key	Act Force	Height	Mounting	Packaging	Part number
FSM10					
FSM100	1.6 N	4.3 mm	THT	bulk	1437565-2
FSM101		7.5 mm			1437565-3
FSM102		12 mm			1437565-4
FSM103		7.3 mm	THT, square button		1437565-5
FSM104		-	THT, right angle		1437565-6
FSM10, Sealed					
FSM100SSM	1.6 N	4.3 mm	SMT	bulk	1571218-1
FSM100SSMTR				tape and reel	1571218-3
FSM100S			THT	bulk	1571220-1

FSM Turtle

Product key	Act Force	Height	Mounting	Packaging	Part number
FSMMST	1.6 N	1.8 mm	SMT	bulk	1571262-1
FSMMSTTR				tape and reel	1571262-2

FSMMSH Series

Product key	Act Force	Height	Mounting	Packaging	Part number
FSMMSHPTR	1.6N	3.3 mm	SMT, w/loc. pegs	tape and reel	1977066-1
FSMMSHTR			SMT, no pegs		1977067-1

FSM . MS Series

Product key	Act Force	Height	Mounting	Packaging	Part number
FSM1MSJMPTR	2.2±.8 N	1.5 mm	SMT/J w/loc	tape and reel	1571908-1
FSM1MSJMTR			SMT/J wo/loc		1571908-2
FSM2MSSMATR	2.5±.5 N	1.65 mm	SMT wo/loc		1571895-1
FSM3MSJMPTR	2.2±.8 N		SMT/J w/loc		1571910-1
FSM3MSJMTR			SMT/J wo/loc		1571910-2
FSM3MSSMPTR			SMT w/loc		1571909-1
FSM3MSSMTR			SMT wo/loc		1571909-2

FSMCT Series

Product key	Act Force	Height	Mounting	Packaging	Part number
FSMCTTR	1.6 N	1.5 mm	SMT	tape and reel	8-1437565-0
FSMCTATR	2.6 N				8-1437565-1

FSMLPU

Product key	Act Force	Height	Mounting	Packaging	Part number
FSMLPUTR	1.6 N	0.5 mm	SMT	tape and reel	1825534-1

Preferred Part Numbers - Slide Switches

ASE Series

Product key	Type	Contact material	Mounting	Part number
ASE				
ASE2204	DPDT	Ag	THT	1825010-1
ASE22G04		Au		1825010-2
ASE22GL04			SMT/L	1825010-5
ASE22GS04			SMT/rev. L	1825010-7
ASE22L04		Ag	SMT/L	1825010-6
ASE22S04			SMT/rev. L	1825010-8
ASE4204	4PDT		THT	1-1825010-3
ASE42G04		Au		1-1825010-4
ASE42GL04			SMT/L	1-1825010-7
ASE42L04		Ag		1-1825010-8
ASE42S04			SMT/rev. L	2-1825010-0
ASE6204	6PDT		THT	3-1825010-7
ASE62G04		Au		3-1825010-8
ASE62GL04			SMT/L	4-1825010-1
ASE62L04		Ag		4-1825010-2
ASE Side Actuator				
ASE22R04	DPDT	Ag	THT	1825010-3
ASE22RG04		Au		1825010-4
ASE22RGS04			SMT/rev. L	1-1825010-1
ASE22RL04		Ag	SMT/L	1-1825010-0
ASE22RS04			SMT/rev. L	1-1825010-2
ASE42R04	4PDT		THT	1-1825010-5
ASE42RG04		Au		1-1825010-6
ASE42RGL04			SMT/L	2-1825010-1
ASE42RL04		Ag		2-1825010-2
ASE42RS04			SMT/rev. L	2-1825010-4
ASE43R04	4P3T		THT	2-1825010-7
ASE43RG04		Au		2-1825010-8
ASE62R04	6PDT	Ag		3-1825010-9
ASE62RG04		Au		4-1825010-0
ASE62RGL04			SMT/L	4-1825010-5
ASE62RL04		Ag		4-1825010-6

ASF Series

Product key	Type	Contact material	Mounting	Part number
ASF				
ASF2204	DPDT	Ag	THT	1825011-1
ASF22G04		Au		1825011-2
ASF22GL04			SMT/L	1825011-5
ASF22GS04			SMT/rev. L	1825011-9
ASF22L04		Ag	SMT/L	1825011-7
ASF22S04			SMT/rev. L	1-1825011-1
ASF4204	4PDT		THT	2-1825011-1
ASF42G04		Au		2-1825011-2
ASF42GL04			SMT/L	2-1825011-5
ASF42L04		Ag		2-1825011-7
ASF42S04			SMT/rev. L	3-1825011-1
ASF6204	6PDT		THT	6-1825011-1
ASF62G04		Au		6-1825011-2
ASF62GL04			SMT/L	6-1825011-5
ASF62L04		Ag		6-1825011-7
ASF62S04			SMT/rev. L	7-1825011-1
ASF Side Actuator				
ASF22R04	DPDT	Ag	THT	1825011-3
ASF22RG04		Au		1825011-4
ASF22RGL04			SMT/L	1-1825011-3
ASF22RGS04			SMT/rev. L	1-1825011-7
ASF22RS04		Ag		1-1825011-9
ASF42R04	4PDT		THT	2-1825011-3
ASF42RG04		Au		2-1825011-4
ASF42RGL04			SMT/L	3-1825011-3
ASF42RL04		Ag		3-1825011-5
ASF42STR04			SMT/rev. L	3-1825011-2
ASF62R04	6PDT		THT	6-1825011-3
ASF62RG04		Au		6-1825011-4
ASF62RGL04			SMT/L	7-1825011-3
ASF62RGS04			SMT/rev. L	7-1825011-7

Preferred Part Numbers - Slide Switches (Continued)

S, SE Series

Product key	Type	Mounting	Packaging	Part number
S				
S1EGPC04	1 Pole, On-Off-On	THT	bulk	5-1571005-2
S2EGPC04	2 Pole, On-Off-On			5-1571005-4
S Right Angle				
S1EGRA04	1 Pole, On-Off-On	THT	bulk	5-1571006-2
S2EGRA04	2 Pole, On-Off-On			5-1571006-4
SE Sealed				
SE1EGPC04	1 Pole, On-Off-On	THT	bulk	1825032-2
SE2EGPC04	2 Pole, On-Off-On			1825032-4
SE1GSMTTR04	1 Pole, On-Off	SMT	tape and reel	5-1571004-4
SE1EGSMTTR04	1 Pole, On-Off-On			5-1571004-5
SE Sealed Right Angle				
SE1EGRA04	1 Pole, On-Off-On	THT	bulk	1825031-2
SE2EGRA04	2 Pole, On-Off-On			1825031-4

STS, SDS Series

Product key	Type	Mounting	Throw function	Part number
STS121PC04	SPDT	THT		1825159-1
STS1300PC04	SP3T		common pin 2	1825161-1
STS131PC04				1825159-2
STS1400PC04	SP4T		common pin 3	1825161-2
STS141PC04				1825159-3
STS151PC04	SP5T			1825159-4
STS161PC04	SP6T			1825159-5
STS220PC04	DPDT			1825163-1
STS2300PC04	DP3T		common pin 2	1825164-1
STS230PC04				1825163-2
STS2400PC04	DP4T		common pin 3	1825165-1
STS240PC04				1825163-3
STS250PC04	DP5T			1825163-4
STS260PC04	DP6T			1825163-5

TSS Series

Product key	Type	Positions	Packaging	Part number
TSS Single				
TSS11DGPC04	SPDT	On-None-On	bulk	1571982-1
TSS11EGPC04		On-Off-On		1571982-4
TSS Single, Flush actuator				
TSS11DG1PC04	SPDT	On-None-On	bulk	1571982-2
TSS11EG1PC04		On-Off-On		1571982-3
TSS Dual				
TSS21KGPC04	DPST	On-None-Off	bulk	1571982-5
TSS21NGPC04	DPDT	On-None-On		1571982-7
TSS21PGPC04		On-Off-On		1571982-9
TSS Dual, Flush actuator				
TSS21NG1PC04	DPST	On-None-Off	bulk	1571982-6
TSS21PG1PC04	DPDT	On-None-On		1571982-8
TSD21DDGPC04		On-Off-On		1825015-1

MSS, MSSA Series

Product key	Type	Contact material	Version	Part number
MSS120004	SPDT	Ag	vertical	1825257-1
MSS1200G04		Au		1825257-2
MSS1200R04		Ag	right angle	1825258-1
MSS1200RG04		Au		1825258-2
MSS130004	SP3T	Ag	vertical	1825259-1
MSS1300G04		Au		1825259-2
MSS1300R04		Ag	right angle	1825260-1
MSS1300RG04		Au		1825260-2
MSS140004	SP4T	Ag	vertical	1571423-2
MSS222504	DPDT			1825262-1
MSS2225G04		Au		1825262-2
MSS420004	4PDT	Ag		1825264-1
MSS4200G04		Au		1825264-2
MSS4200R04		Ag	right angle	1825265-1
MSS4200RG04		Au		1825265-2
MSS430004	4P3T	Ag	vertical	1825267-1
MSS4300G04		Au		1825267-2
MSS4300R04		Ag	right angle	1825268-1
MSS4300RG04		Au		1825268-2
MSS620004	6PDT	Ag	vertical	1825271-1
MSS6200G04		Au		1825271-2
MSS635004	6P3T	Ag		1825273-1
MSS6350R04			right angle	1825274-1

Preferred Part Numbers - Slide Switches (Continued)

MSSA-01/04

Product key	Type	Contact material	Positions	Part number
MSSA111DG	SPDT	Au	On-None-On	2-1437580-9
MSSA111EG			On-Off-On	3-1437580-0
MSSA114D		Ag	On-None-On	3-1437580-1
MSSA114E			On-Off-On	3-1437580-2
MSSA211NG	DPDT	Au	On-None-On	4-1437580-9
MSSA211N		Ag		5-1437580-2

MHS Series

Product key	Type	Contact material	Positions	Part number
MHS				
MHS12204	SPDT	Ag	On-None-On	1825255-1
MHS122G04		Au		1825255-2
MHS12304		Ag	On-Off-On	1825255-5
MHS13304	SP3T		On-On-On	1825255-7
MHS133G04		Au		1825255-8
MHS22204	DPDT	Ag	On-None-On	1825289-1
MHS222G04		Au		1825289-2
MHS22304		Ag	On-Off-On	1825289-5
MHS223G04		Au		1825289-6
MHS23304	DP3T	Ag	On-On-On	1825289-8
MHS233G04		Au		1825289-9
MHS Right Angle				
MHS122GRA04	SPDT	Au	On-None-On	1825256-4
MHS122RA04		Ag		1825256-1
MHS123GRA04		Au	On-Off-On	1825256-5
MHS123RA04		Ag		1825256-2
MHS133GRA04	SP3T	Au	On-On-On	1825256-6
MHS133RA04		Ag		1825256-3
MHS222GRA04	DPDT	Au	On-None-On	1825290-4
MHS222RA04		Ag		1825290-1
MHS223GRA04		Au	On-Off-On	1825290-5
MHS223RA04		Ag		1825290-2
MHS233GRA04	DP3T	Au	On-On-On	1825290-6
MHS233RA04		Ag		1825290-3

SSJ Series

Product key	Type	Contact material	Style	Part number
SSJ1204	SPDT	Ag	vertical	1825280-1
SSJ12R04			right angle	1825282-1
SSJ1304	SP3T		vertical	1825283-1

SSA Series

Product key	Type	Contact material	Style	Part number
SSA1204	SPDT	Ag	vertical	1571981-1
SSA12G04		Au		1571981-2
SSA2204	DPDT	Ag		1571981-3
SSA22G04		Au		1571981-4

SLS/SL/SLSA Series

Product key	Type	Mounting	Style	Part number
SLS121PC04	SPDT	THT	vertical	1825115-1
SLS121RA04			right angle	1825116-1
SLS131PC04	SP3T		vertical	1825117-1
SLS131RA04			right angle	1825118-1
SLS141PC04	SP4T		vertical	1825119-1
SLS141RA04			right angle	1825120-1
SLS151PC04	SP5T		vertical	1825121-1
SLS151RA04			right angle	1825122-1
SLS220PC04	DPDT		vertical	1825080-1
SLS230PC04	DP3T			1825080-2
SLS240PC04	DP4T			1825080-3
SLS250PC04	DP5T			1825080-4
SLS260PC04	DP6T			1825080-5

MLL Series

Product key	Type	Mounting	Packaging	Part number
MLL1200S	SPDT	SMT	tube	1437575-1
MLL1200STR			tape and reel	1437575-2

Preferred Part Numbers - Toggle Switches

TST Series

Product key	Type	Contact material	Positions	Part number
TST				
TST11DGPC1D04	1 Pole, PCB	Ag	On-None-On	1825455-1
TST, Right Angle				
TST11DGRA1D04	1 Pole	Ag	On-None-On	1825455-3
TST11DGVRA1D04	1 Pole Vertical r.a.			1825455-4

TT Series

Product key	Type	Contact material	Positions	Part number
TT				
TT13A2T04	1 Pole, Wire Lugs	Ag	On-None-Off	1825222-2
TT13D2T04			On-None-On	1825222-3
TT13E2T04			On-Off-On	1825222-4
TT23K2T04	2 Pole, Wire Lugs		On-None-Off	1825222-6
TT23N2T04			On-None-On	1825222-7
TT11AGPC104	1 Pole, PCB		On-None-Off	1825219-2
TT11DGPC104			On-None-On	1825219-3
TT11EGPC104			On-Off-On	1825219-6
TT21KGPC104	2 Pole, PCB		On-None-Off	1-1825219-0
TT21NGPC104			On-None-On	1-1825219-1
TT Right Angle				
TT11DGVRA104	1 Pole, PCB	Ag	On-None-On	1825219-5
TT11EGVRA104	2 Pole, PCB		On-Off-On	1825219-9

Gemini Series A

Product key	Type	Contact material	Positions	Part number
Gemini A				
A101SYCB04	1 Pole, PCB	Au	On - On	4-1825136-4
A101SYCQ04		Ag		4-1825136-5
A101SYZB04	1 Pole, Wire Lug	Au		4-1825136-8
A101SYZQ04		Ag		4-1825136-9
A103SYCB04	1 Pole, PCB	Au	On - Off - On	1-1825137-5
A103SYCQ04		Ag		1-1825137-6
A103SYZB04	1 Pole, Wire Lug	Au		1-1825137-9
A103SYZQ04		Ag		2-1825137-0
A201SYCB04	2 Pole, PCB	Au	On - On	2-1825138-4
A201SYCQ04		Ag		2-1825138-5
A201SYZB04	2 Pole, Wire Lug	Au		2-1825138-7
A201SYZQ04		Ag		2-1825138-8
A203SYCB04	2 Pole, PCB	Au	On - Off - On	1825139-8
A203SYCQ04		Ag		1825139-9
A203SYZQ04	2 Pole, Wire Lug			1-1825139-0
A211SYCQ04	2 Pole, PCB		On - On - On	3-1825139-7
A211SYZQ04	2 Pole, Wire Lug			3-1825139-9
Gemini A, Right Angle				
A101SYAV2B04	1 Pole, PCB	Au	On - On	1825136-8
A103SYAV2B04			On - Off - On	2-1825136-5
A103SYAV2Q04		Ag		1-1825137-4

Gemini Series AE

Product key	Type	Contact material	Positions	Part number
Gemini AE				
AE101SD1CB04	1 Pole, PCB	Au	On-On	2-1825142-0
AE101SD1CQ04		Ag		2-1825142-1
AE103SD1CB04		Au	On-Off-On	3-1825142-0
AE103SD1CQ04		Ag		3-1825142-1
AE201SD1CB04	2 Pole, PCB	Au	On-On	1-1825143-0
AE201SD1CQ04		Ag		1-1825143-1
AE203SD1CB04		Au	On-Off-On	1-1825143-9
Gemini AE, Right Angle				
AE101SD1AV2B04	1 Pole, PCB	Au	On-On	1-1825142-8
AE101SD1AV2Q04		Ag		1-1825142-9
AE103SD1AV2B04		Au	On-Off-On	2-1825142-9
AE201SD1AV2B04	2 Pole, PCB		On-On	1825143-9
AE203SD1AV2B04			On-Off-On	1-1825143-7
AE203SD1AV2Q04		Ag		1-1825143-8

Preferred Part Numbers - Toggle Switches, Push Buttons

MT Series

Product key	Type	Contact material	Position	Part number
MTA				
MTA306D04	3PDT, wire lug	Ag gold flash	On-None-On	3-1571920-0
MTA306DPC04	3PDT, THT			3-1571920-1
MTA306E04	3PDT, wire lug		On-Off-On	3-1571920-2
MTA306EPC04	3PDT, THT			3-1571920-3
MTA406N04	4PDT, wire lug		On-None-On	3-1571920-8
MTA406NPC04	4PDT, THT			3-1571920-9
MTA406P04	4PDT, wire lug		On-Off-On	4-1571920-0
MTA406PPC04	4PDT, THT			4-1571920-3
MTA Right Angle				
MTA8106DVRA04	SPDT, THT	Ag gold flash	On-None-On	1571922-4
MTA8106EVRA04			On-Off-On	1571922-8
MTE (Sealed)				
MTE306D04	3PDT, wire lug	Ag gold flash	On-None-On	1-1571924-6
MTE306E04			On-Off-On	1-1571924-7
MTE406N04	4PDT, wire lug		On-None-On	1-1571924-8
MTE406P04			On-Off-On	1-1571924-9

AW Series

Product key	Type	Contact material	Position	Part number
AWTD1504	1 pole, tab	Ag	On-On	7-6437630-0
AWTN1504	2 pole, tab			7-6437630-2
AWTR1504			On-(On)	5-6437630-0
AWTS1504			(On)-Off-(On)	1-6437630-1
AWTT1504			On-Off-(On)	1-6437630-0

F Series

Product key	Type	Contact material	Position	Part number
FTD0904	1 pole, std.	Ag	On-On	2-6437630-0
FTD09G04		Au		3-6437630-4
FTD5904	1 pole, locking	Ag		1-6437630-5
FTD59G04		Au		4-6437630-0
FTD7904	1 pole, Long	Ag		5-6437630-3
FTE0904	1 pole, std.		On-Off-On	6-6437630-2
FTH0904			On-Off-(On)	4-6437630-8
FTN0904	2 pole, std.		On-On	4-6437630-2
FTN5904	2 pole, locking			3-6437630-9
FTN59G04		Au		6-6437630-1
FTP0904	2 pole, std.	Ag	On-Off-On	4-6437630-6
FTPA0904			On-On-On	4-6437630-5
FTS0904			(On)-Off-(On)	4-6437630-3
F4TN0904	4 pole, std.			3-6437630-5

TP Series

Product key	Type	Contact material	Version	Part number
TPA				
TPA11CGPC004	SPST, THT	Au	Rnd. no bushing	1825096-1
TPA11FGPC004	SPDT, THT			1825096-7
TPA, Right Angle				
TPA11CGRA004	SPST, THT	Au	Rnd. no bushing	1825096-4
TPA11FGRA004	SPDT, THT			1-1825096-0
TPB				
TPB11CGPC004	SPST, THT	Au	Rnd. 0.188",	1825097-1
TPB11FGPC004	SPDT, THT		unthreaded	1825097-9
TPB21MGPC004	DPST, THT			1-1825097-7
TPB, Right Angle				
TPB11CGRA004	SPST, THT	Au	Rnd. 0.188",	1825097-6
TPB11FGRA004	SPDT, THT		unthreaded	1-1825097-1

Preferred Part Numbers - Push Buttons

MP Series

Product key	Type	Mounting	Function	Part number
MPA				
MPA106D04	SPDT	Wire Lug	Push On/ Push Off	1825040-1
MPA106DPC04		THT		1825040-3
MPA106F04		Wire Lug	Momentary	1825040-2
MPA106FPC04		THT		1825040-4
MPA206N04	DPDT	Wire Lug	Push On/ Push Off	1825040-5
MPA206NPC04		THT		1825040-6
MPA206R04		Wire Lug	Momentary	1825040-7
MPA206RPC04		THT		1825040-8
MPA306D04	3PDT	Wire Lug	Push On/ Push Off	1825040-9
MPA306F04			Momentary	1-1825040-0
MPA406N04	4PDT		Push On/ Push Off	1-1825040-1
MPA406R04			Momentary	1-1825040-2
MPE (Splash proof)				
MPE106D04	SPDT	Wire Lug	Push On/ Push Off	1825041-1
MPE106F04			Momentary	1825041-2
MPE206N04	DPDT		Push On/ Push Off	1825041-3
MPE206R04			Momentary	1825041-4
MPE306D04	3PDT		Push On/ Push Off	1825041-5
MPE306F04			Momentary	1825041-6
MPE406N04	4PDT		Push On/ Push Off	1825041-7
MPE406R04			Momentary	1825041-8
MPG				
MPG106D04	SPDT	Wire Lug	Push On/ Push Off	1825042-1
MPG106F04			Momentary	1825042-3
MPG206N04	DPDT		Push On/ Push Off	1825042-5
MPG206NPC04		THT		1825042-6
MPG206R04		Wire Lug	Momentary	1825042-7
MPG206RPC04		THT		1825042-8
MPG306D04	3PDT	Wire Lug	Push On/ Push Off	1825042-9
MPG306F04			Momentary	1-1825042-0
MPG406N04	4PDT		Push On/ Push Off	1-1825042-1
MPG406R04			Momentary	1-1825042-2

Preferred Part Numbers - Micro Switches

MP Miniature Micro Switch

Product key	Terminals	Contacts	Actuator	Operating/Release	Part number
MP16DTCOLG	spade terminal	SPDT 16 A	pin plunger	2.0 N / 0.5 N	1-1478607-1
MP16DTCNLD			normal lever		1-1478607-3
MP16DTCNRD			normal roller		1-1478607-6
MP16DTCSMD			simulator lever		1-1478607-7

SP Sub Miniature Micro Switch

Product key	Terminals	Contacts	Actuator	Operating/Release	Part number
SP5DTBOLE	PCB	SPDT 5 A	pin plunger	1.5 N / 0.2 N	1-1478601-1
SP5DTBNLC			normal lever		1-1478601-2
SP5DTBNRD			normal roller		1-1478601-4
SP5DTBSMA			simulator lever		1-1478601-5

UP Ultra Miniature Micro Switch

Product key	Terminals	Contacts	Actuator	Operating/Release	Part number
UP3DTANLA04	PCB	SPDT	normal lever	0.5 N / 0.08 N	1-1825043-5
UP3DTAOLA04		3A	pin plunger	1.5 N / 0.2 N	1-1825043-3
UP01DTANLA04		SPDT	normal lever	0.5 N / 0.08 N	1825043-3
UP01DTAOLA04		0.1A	pin plunger	1.5 N / 0.2 N	1825043-1

Preferred Part Numbers - Power Rocker Switches

PRA Series

Product key	Switch function	Rocker color	Text pattern	Part number
PRA Series, 13.0x19.2mm panel cutout, 10A single pole				
PRASA1-16F-BB000	On-Off, opaque	black	not applicable	1571076-9
PRASA1-16F-BB0BW			0 - , white printing	1-1571076-0
PRASA1-16F-BB0CW			0 I , white printing	1-1571076-1
PRASA1-16F-BR000		red	not applicable	6-1571076-5
PRASA1-16F-BB0HW		black	ON OFF, white pr.	2-1571076-0
PRASD1-16F-BB000			not applicable	1571079-4
PRASD1-16F-BB0DW			- = , white printing	1571079-5
PRASD1-16F-BB0EW			I II , white printing	1571079-6
PRASD3-16F-BB000	On-Off-On, opaque		not applicable	1571079-7
PRASD3-16F-BB0FW			- 0 =, white printing	1571079-8
PRASD3-16F-BB0GW			I 0 II, white printing	1571079-9
PRASD2-16F-BB000	On-(On), opaque		not applicable	1-1571079-0
PRASD2-16F-BB0DW			- = , white printing	1-1571079-1
PRASD2-16F-BB0EW			I II , white printing	1-1571079-2
PRASD4-16F-BB000	On-Off-(On), opaque		not applicable	1-1571079-3
PRASD4-16F-BB0FW			- 0 =, white printing	1-1571079-4
PRASD4-16F-BB0GW			I 0 II, white printing	1-1571079-5
PRA Series, 13.0x19.2mm panel cutout, 6A double pole				
PRADA1-12F-BB000	On-Off, opaque	black	not applicable	1977068-1
PRADA1-12F-BB0BW			0 - , white printing	1977068-2
PRADA1-12F-BB0CW			0 I , white printing	1977068-3
PRADA1-12F-BR000		red	not applicable	1977068-4
PRADA1-12F-BR0BW			0 - , white printing	1977068-5
PRADD1-12F-BB000		black	not applicable	1977069-1
PRADD1-12F-BB0DW			- = , white printing	1977069-2
PRADD1-12F-BB0EW			I II , white printing	1977069-3
PRADD3-12F-BB000	On-Off-On, opaque		not applicable	1977069-4
PRADD3-12F-BB0FW			- 0 =, white printing	1977069-5
PRADD3-12F-BB0GW			I 0 II, white printing	1977069-6
PRADD2-12F-BB000				1977069-7
PRADD2-12F-BB0DW	On-(On), opaque		- = , white printing	1977069-8
PRADD2-12F-BB0EW			I II , white printing	1977069-9
PRADD4-12F-BB000	On-Off-(On), opaque		not applicable	1-1977069-0
PRADD4-12F-BB0FW			- 0 =, white printing	1-1977069-1
PRADD4-12F-BB0GW			I 0 II, white printing	1-1977069-2

PRC Series

Product key	Switch function	Rocker color	Text pattern	Part number
PRCSA1-20F-BB0BW	On-Off, opaque	black	0 - , white printing	1571095-2
PRCSD1-20F-BB0DW	On-On, opaque		- = , white printing	1571100-2
PRCDA1-20F-BB0BW	On-Off, opaque		0 - , white printing	1571102-2
PRCDD1-20F-BB0DW	On-On, opaque		- = , white printing	1571099-2

PRE Series

Product key	Switch function	Rocker color	Text pattern	Part number
PREDA1-07F-BB000	On-Off, opaque	black	not applicable	1634200-1
PREDA1-07F-BB0BW			0 - , white printing	1634200-2
PREDA1-07F-BB0CW			0 I , white printing	1634200-3
PREDB1-07F-BR000	On-Off, illuminated	red	not applicable	1634200-7
PREDB1-07F-BG000		green		1634200-9
PREDD1-07F-BB000	On-On, opaque	black		1-1634200-1
PREDD1-07F-BB0DW			I II , white printing	1-1634200-2
PREDD1-07F-BB0EW			- = , white printing	1-1634200-3
PREDD3-07F-BB0FW	On-Off-On, opaque		I 0 II, white printing	1-1634200-7
PREDD3-07F-BB0GW			- 0 =, white printing	1-1634200-8
PREDD4-07F-BB000	On-Off-(On), opaque		not applicable	2-1634200-1
PREDD4-07F-BB0FW			I 0 II, white printing	2-1634200-2
PREDD4-07F-BB0GW			- 0 =, white printing	2-1634200-3
PREDD5-07F-BB000	(On)-Off-(On), opaque		not applicable	2-1634200-4
PREDD5-07F-BB0FW			I 0 II, white printing	2-1634200-5
PREDD5-07F-BB0GW			- 0 =, white printing	2-1634200-6

Preferred Part Numbers - Power Rocker Switches (Continued)

PRF Series

Product key	Switch function	Rocker color	Text pattern	Part number
PRFDA1-16F-BB000	On-Off, opaque	black	not applicable	1634201-1
PRFDA1-16F-BB0BW			0 - , white printing	1634201-2
PRFDA1-16F-BB0CW			0 I , white printing	1634201-3
PRFDB1-16F-BR000	On-Off, illuminated	red	not applicable	1634201-4
PRFDB1-16F-BG000		green		1634201-5
PRFDB1-16F-BY000		yellow		1634201-6
PRFDD1-16F-BB000	On-On, opaque	black		1634201-7
PRFDD1-16F-BB0DW			I II , white printing	1634201-8
PRFDD1-16F-BB0EW			- = , white printing	1634201-9
PRFDD3-16F-BB000	On-Off-On, opaque		not applicable	1-1634201-0
PRFDD3-16F-BB0FW			I 0 II, white printing	1-1634201-1
PRFDD3-16F-BB0GW			- 0 =, white printing	1-1634201-2

PRG Series

Product key	Switch function	Rocker color	Text pattern	Part number
PRGSB1-16F-BG000	On-Off, illuminated	green	not applicable	1634202-6
PRGSB1-16F-BR000		red		1634202-5
PRGSA1-16F-BR000	On-Off, opaque			1634202-4
PRGSA1-16F-BB0BW		black	0 - , white printing	1634202-3
PRGSA1-16F-BB0AW			• , white printing	1634202-2
PRGSA1-16F-BB000			not applicable	1634202-1

© Tyco Electronics Austria GmbH 2008. All Rights Reserved.

All technical data listed is for description purposes only and does not guarantee characteristics. All drawings, photos and descriptions are subject to change without prior notice.

We are not able to guarantee that the specified circuits, descriptions and tables are not covered by rights of third parties. Terms of delivery and rights to change design reserved.

Preferred Part Numbers (Continued)

Americas

Argentina - Buenos Aires
Phone: +54-11-4733-2200
Fax: +54-11-4733-2211

Brasil - São Paulo
Phone: +55-11-2103-6000
Fax: +55-11-2103-6210

Canada - Toronto
Phone: +905-475-6222
Fax: +905-474-5520

Product Information Center:
Phone: +905-470-4425
Fax: +905-474-5525

Chile - Santiago
Phone: +56-2-345-0300
Fax: +56-2-223-1477

Colombia - Bogota
Phone: +57-1-231-9398
Fax: +57-1-660-0206

Mexico - Mexico City
Phone: +52-55-1106-0800
+01-800-733-8926
Fax: +52-55-1106-0901

For Latin/South American Countries not shown
Phone: +54-11-4733-2015
Fax: +54-11-4733-2083

United States - Harrisburg, PA
Phone: +1-717-564-0100
Fax: +1-717-986-7575
Product Information Center:
Phone: +1-800-522-6752
Fax: +1-717-986-7575

Asia/Pacific

Australia - Sydney
Phone: +61-2-9554-2600
Fax: +61-2-9502-2556

Product Information Center:
Phone: +61-2-9840-8200
Fax: +61-2-9634-6188

India - Bangalore
Phone: +91-80-285-40800
Fax: +91-80-285-40820

Indonesia - Jakarta
Phone: +65-6482-0311
Fax: +65-6482-1012

Japan - Kawasaki, Kanagawa
Phone: +81-44-844-8111
Fax: +81-44-812-3207

Product Information Center:
Phone: +81-44-844-8013
Fax: +81-44-812-3200

Korea - Seoul
Phone: +82-2-3415-4500
Fax: +82-2-3486-3810

Malaysia - Selangor
Phone: +60-3-7805-3055
Fax: +60-3-7805-3066

New Zealand - Auckland
Phone: +64-9-634-4580
Fax: +64-9-634-4586

Philippines - Makati City
Phone: +632-848-0171
Fax: +632-867-8661

People's Republic of China - Hong Kong
Phone: +852-2735-1628
Fax: +852-2735-0243

Shanghai
Phone: +86-21-2407-1588
Fax: +86-21-2407-1599

Singapore - Singapore
Phone: +65-6482-0311
Fax: +65-6482-1012

Taiwan - Taipei
Phone: +886-2-8768-2788
Fax: +886-2-8768-2268

Thailand - Bangkok
Phone: +66-2-955-0500
Fax: +66-2-955-0505

Vietnam - Ho Chi Minh City
Phone: +84-8-930-5546
Fax: +84-8-930-3443

Europe/Middle East/Africa

Austria - Vienna
Phone: +43-1-90-560-0
Fax: +43-1-90-560-1333
office.vienna@tycoelectronics.com
Product Information Center:
Phone: +43-1-90-560-1249
Fax: +43-1-90-560-1251

Belgium - Kessel-Lo
Phone: +32-16-352-300
Fax: +32-16-352-352
beneluxsales@tycoelectronics.com

Bulgaria - Sofia
Phone: +359-2-971-2152
Fax: +359-2-971-2153
ampbg@internet-bg-net

Czech Republic - Kurim
Phone: +420-5-41-162-111
Fax: +420-5-41-162-223
amp@tycoelectronics.cz
Product Information Center:
Phone: +420-541-162-113
Fax: +420-541-162-132

Denmark - Glostrup
Phone: +45-43-48-04-00
Fax: +45-43-44-14-14
info.dk@tycoelectronics.com

Egypt - Cairo
Phone: +20-2-419-2334
Fax: +20-2-417-7647

Estonia - Tartu
Phone: +372-5138-274
Fax: +372-7400-779

Finland - Helsinki
Phone: +358-95-12-34-20
Fax: +358-95-12-34-250
info.fi@tycoelectronics.com

France - Cergy-Pontoise Cedex
Phone: +33-1-3420-8888
Fax: +33-1-3420-8600
Product Information Center:
Phone: +33-1-3420-8686
Fax: +33-1-3420-8623

France Export Divisions - Cergy-Pontoise Cedex
Phone: +33-1-3420-8804
Fax: +33-1-3420-8699

Germany - Bensheim
Tyco Electronics AMP GmbH
Phone: +49-6251-133-0
Fax: +49-6251-133-1600
tyco-sales@tycoelectronics.com
Product Information Center:
Phone: +49-6251-133-1999
Fax: +49-6251-133-1988

Greece - Athens
Phone: +30-210-9370-396/397
Fax: +30-210-9370-655

Hungary - Budapest
Phone: +36-1-289-1000
Fax: +36-1-289-1010
Product Information Center:
Phone: +36-1-289-1016
Fax: +36-1-289-1017

Ireland - Dublin
Phone: +353-1-820-3000
Fax: +353-1-820-9790

Israel - Yokneam
Phone: +972-4-959-0508
Fax: +972-4-959-0506

Italy - Collegno (Torino)
Phone: +39-011-4012-111
Fax: +39-011-4031-116
Product Information Center:
Phone: +39-011-4012-360
Fax: +39-011-4028-7360

Lithuania & Latvia - Vilnius
Phone: +370-5-213-1402
Fax: +370-5-213-1403
Product Information Center:
Phone: +370-5-211-3016
Fax: +370-5-213-1403

Netherlands - 'sHertogenbosch
Phone: +31-73-6246-246
Fax: +31-73-6212-365
beneluxsales@tycoelectronics.com
Product Information Center:
Phone: +31-73-6246-999
Fax: +31-73-6246-998

Norway - Nesbru
Phone: +47-66-77-88-50
Fax: +47-66-77-88-55
info.no@tycoelectronics.com

Poland - Warsaw
Phone: +48-22-4576-700
Fax: +48-22-4576-720
poland.info@tycoelectronics.com
Product Information Center:
Phone: +48-22-4576-704
Fax: +48-22-4576-720

Romania - Bucharest
Phone: +40-21-311-3479 + 3596
Fax: +40-21-312-0574

Russia - Moscow
Phone: +7-495-790-7902
Fax: +7-495-721-1893
Product Information Center:
Phone: +7-495-790-7902-404
Fax: +7-495-790-7902-401

Russia - St. Petersburg
Phone: +7-812-718-8192
Fax: +7-812-718-8193

Slovenia - Ljubljana
Phone: +386-1561-3270
Fax: +386-1561-3240

South Africa - Port Elizabeth
Phone: +27-41-503-4500
Fax: +27-41-581-0440

Spain - Barcelona
Phone: +34-93-291-0330
Fax: +34-93-201-7879

Sweden - Upplands Väsby
Phone: +46-8-50-72-50-00
Fax: +46-8-50-72-50-01
info.se@tycoelectronics.com

Switzerland - Steinach
Phone: +41-71-447-0447
Fax: +41-71-447-0444
info.ch@tycoelectronics.com

Turkey - Istanbul
Phone: +90-212-281-8181…3
+90-212-282-5130/5430
Fax: +90-212-281-8184
ProductInfo.Turkey@tycoelectronics.com

Ukraine - Kiev
Phone: +380-44-206-2265
Fax: +380-44-206-2264

United Kingdom - Stanmore Middlesex
Phone: +44-8706-080208
Fax: +44-208-954-6234
Product Information Center:
Freephone GB: +0800-267-666
Phone: +44-8706-080208
Fax: +44-208-420-8081

Tyco Electronics offers a comprehensive range of switches including DIP switches, slide switches, toggle switches, push buttons, micro switches, rotary switches, and industrial control switches. Accessories as knobs, caps, boot seals and the respective hardware round off our extensive range.

Our switches cover the widest range of applications, from white goods, building automation, office equipment, communications, test & measurement, remote control devices up to machinery and heating and air-conditioning systems.

Tyco Electronics does not only offer standard switches, but also customized switching solutions for customer applications from the mA range up to 25 A.

Tyco Electronics Austria GmbH
Pilzgasse 33
1210 Vienna
Austria
Phone: +43 1 90560-0
Fax: +43 1 90560-1333

www.tycoelectronics.com

© Tyco Electronics Corporation
Catalogue No. 1308111, Issued 03-2008

Tyco Electronics
Our commitment. Your advantage.