ALCOSWITCH SEALED TACTILE SWITCHES

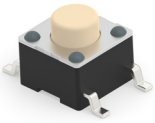
TYPE ALCOSWITCH SERIES

INTRODUCTION

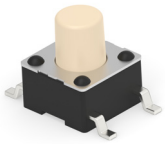
TE Connectivity's ALCOSWITCH Sealed Tactile Switches are a comprehensive line of high-quality electromechanical components designed to deliver reliable tactile feedback and environmental protection in a wide range of applications. Engineered for durability and precision, these switches feature an IP67-sealed construction, protecting against dust, water, and other contaminants—highly reliable for demanding operating conditions. The product family includes a broad selection of ultra-miniature, low-profile, and compact designs, available in both surface mount and through-hole configurations. To meet varying design and performance requirements, the ALCOSWITCH range offers multiple options for:

- Actuation force (light to heavy press feel)
- Actuator height and orientation (vertical or right-angle)
- Actuator travel distance (short or extended travel)
- Lifecycle durability (standard to high-cycle applications)
- Case materials and colors (for mechanical strength and design differentiation)
- Actuator materials and colors (to match tactile needs and visual styling)

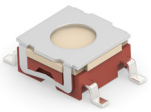
This high degree of customization helps enable integration into both consumer-facing and industrial-grade interfaces while maintaining a compact footprint and reliable electrical performance.



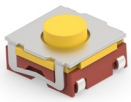
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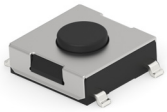
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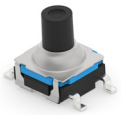
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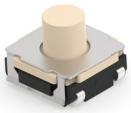
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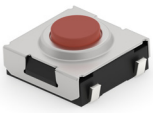
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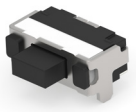
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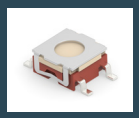
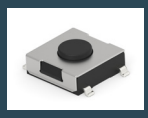
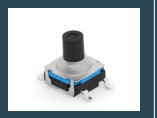
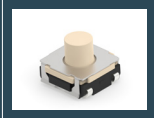
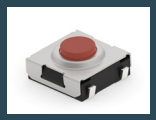
APPLICATIONS

- Consumer Electronics: Remote controls, handheld devices, earbuds, wearables
- Industrial Equipment: Operator panels, automation systems, test stations
- Automotive: Interior switches, infotainment interfaces, control knobs
- Medical Devices: Diagnostic tools, patient monitors, portable electronics
- Home Appliances: Touch panels, control boards, smart home interfaces
- Telecom & Networking: Server equipment, switches, routers
- Instrumentation: Portable meters, control keypads, panel interfaces

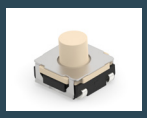
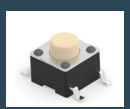
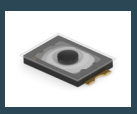
ALCOSWITCH SEALED TACTILE SWITCHES

TYPE ALCOSWITCH SERIES

SPECIFICATIONS:

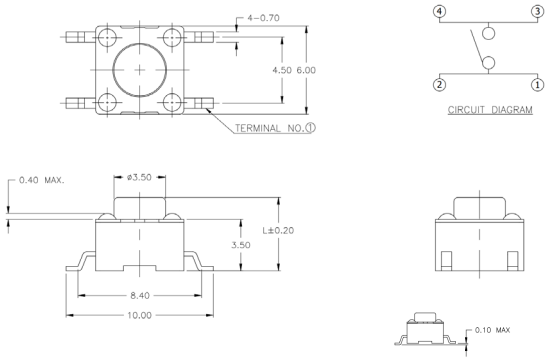
Part Number	2506465	2506467	2506469	2506470	2506471	2506472	2506472
							
Sealed Tactile Series	**STSA**						
Mechanical Specifictions							
Size(mm)	6.2 x 6.2						
Height (mm)	There are multiple options, please refer part list for more details.						
Case Material							
Case Color							
Actuator Material							
Actuator Color							
Lifecycle (min-max)							
Actuation Force							
Actuator Travel							
Terminal Plating							
PCB Mounting Style	Gullwing	J-Lead	Gullwing	Gullwing	J-Lead	J-Lead	Through Hole
Electrical Specifications							
Contact configuration	SPST						
Contact rating max	50 mA @ 24 VDC						
Contact rating min	10µA @ 1 VDC						
Contact resistance	max 100 mΩ						
Insulation resistance	min 100 MΩ						
Dielectric strength	500 VAC for 1 min						
Environment Specifications							
Operating Temperature	-20°C to +105°C						
Storage Temperature	Refer drawing for individual part number						
Moisture Sensitivity Level (MSL)	1						NA
Solder Conditions	Refer drawing for individual part number						
RoHS	EU RoHS2.0((RoHS 2011/65/EU with (EU) 2015/863 Compliance)						
IP Rating	IP 67						

SPECIFICATIONS (CONTINUTION):

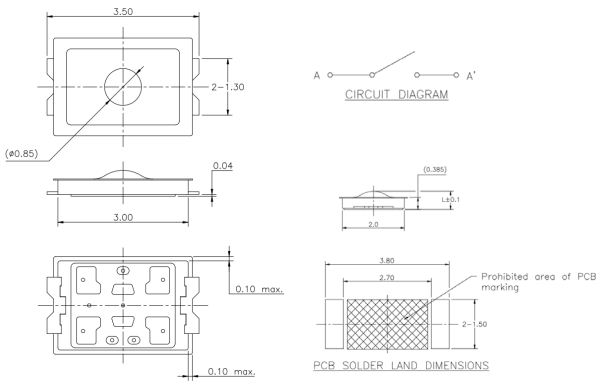
Part Number	2506465	2506467	2506469	2506470	2506471	2506472
						
Sealed Tactile Series	**STSB**	**STSC**	**STSE**	**STSD**	**FSMJS6**	**UMS**
Mechanical Specifictions						
Size(mm)	6.45 x 6.45	4.5 x 3.65	7.1 x 8.5	8.0 x 8.0	6.0X6.0	3.0 x 2.0
Height (mm)	There are multiple options, please refer part list for more details.					
Case Material						
Case Color						
Actuator Material						
Actuator Color						
Lifecycle (min-max)						
Actuation Force						
Actuator Travel						
Terminal Plating	Silver (Ag)					
PCB Mounting Style	J-Lead	Through Hole	Gullwing	Through Hole	Gullwing	Gullwing
Electrical Specifications						
Contact configuration	SPST					
Contact rating max	50 mA @ 24 VDC					
Contact rating min	10µA @ 1 VDC					
Contact resistance	max 100 mΩ					
Insulation resistance	min 100 MΩ					
Dielectric strength	500 VAC for 1 min					
Environment Specifications						
Operating Temperature	-20°C to +105°C					
Storage Temperature	Refer drawing for individual part number					
Moisture Sensitivity Level (MSL)	1	NA	1	NA	1	1
Solder Conditions	Refer drawing for individual part number					
RoHS	EU RoHS2.0((RoHS 2011/65/EU with (EU) 2015/863 Compliance)					
IP Rating	IP 67					

DRAWINGS (UNIT:MM):

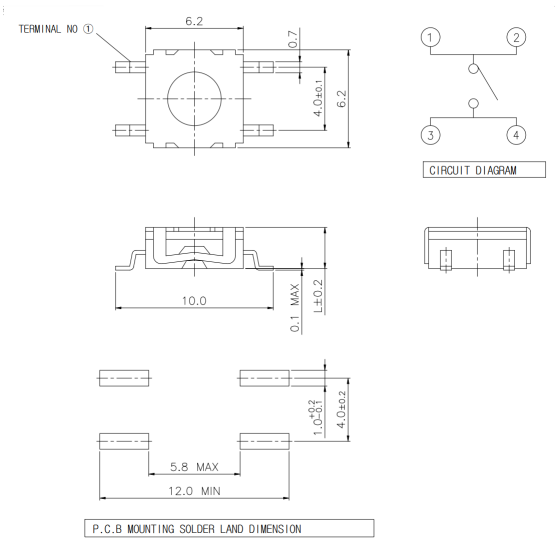
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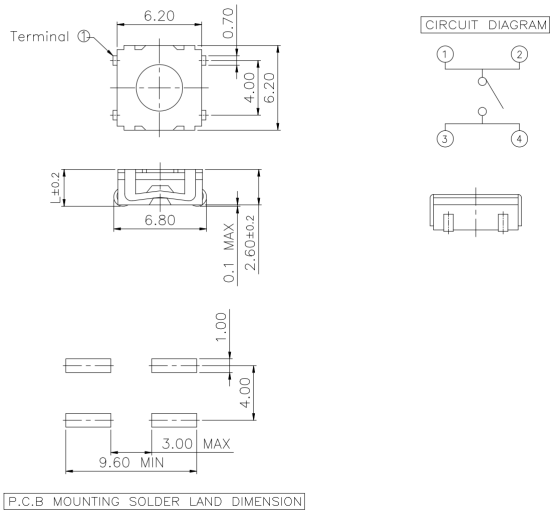
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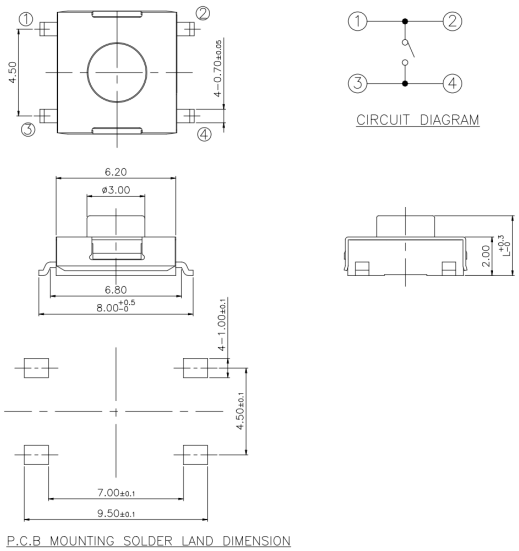
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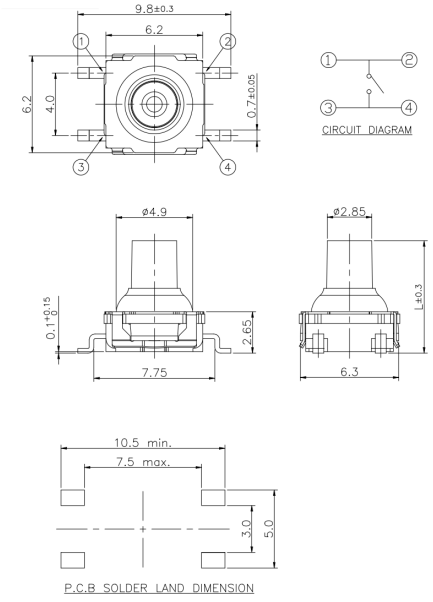
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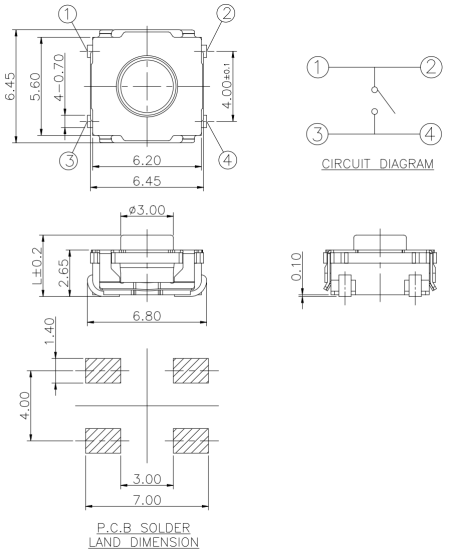


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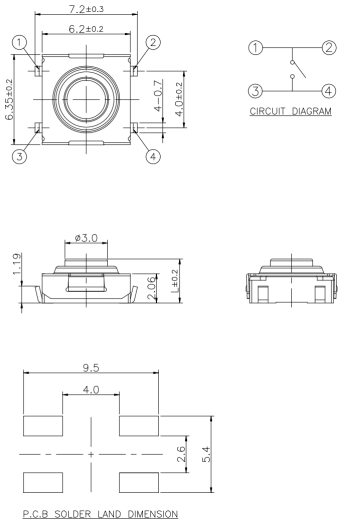


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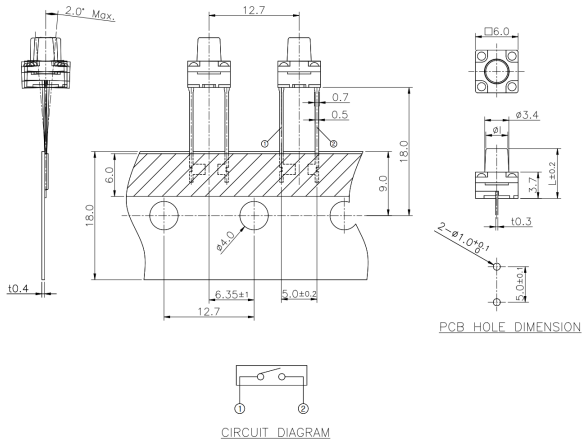
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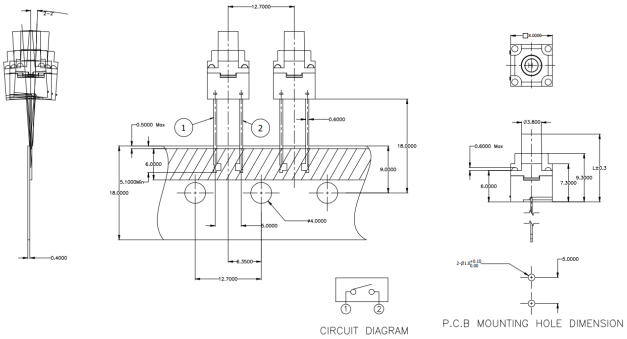
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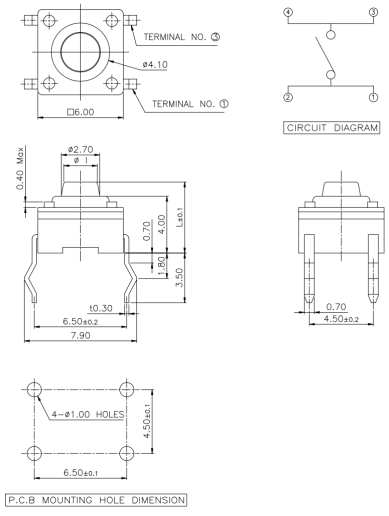
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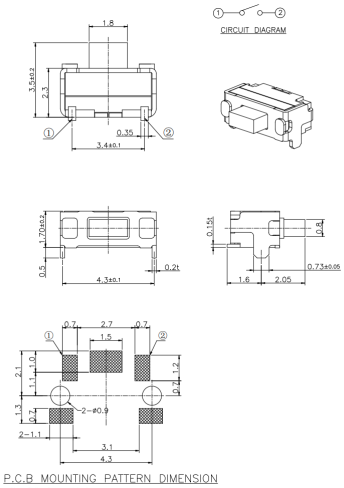
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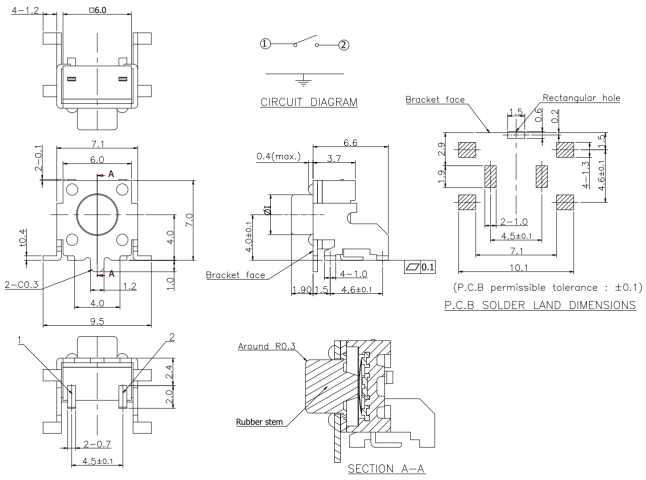
2506476



ALCOSWITCH SEALED TACTILE SWITCHES

TYPE ALCOSWITCH SERIES

2506477



PRODUCT CODE STRUCTURE

STS -SEALED TACTILE SWITCH

Part Number

STS 35|77 A 10|25 A SM Blank

Actuator Length mm

35	3.5	**77**	7.7
52	5.2	**43**	4.3
26	2.6	**70**	7
34	3.4	**13**	1.3
25	2.5	**12**	12.85
31	3.1	**80**	8
50	5	**17**	1.7
72	7.2	**Blank**	N/A

Version

A	Sealed 6.2 x 6.2
B	Sealed 6.45 x 6.45
C	Sealed 4.5 x 3.65
D	Sealed 8.0 x 8.0
E	Sealed 7.1 x 8.5
Blank	Sealed 6.0 x 6.0

Actuator Force

10	100 gf	**25**	250 gf
16	160 gf	**26**	260 gf
18	180 gf	**35**	350 gf
20	200 gf	**50**	500 gf

Packaging Style

Blank	Bulk/Polybag
R	Radial Tape
TR	Tape/Reel

Mounting Style

SM	Surface Mount
TH	Through Hole
JT	J Lead
RS	Right Angle Surface Mount
RT	Right Angle Through Hole

Actuator Color

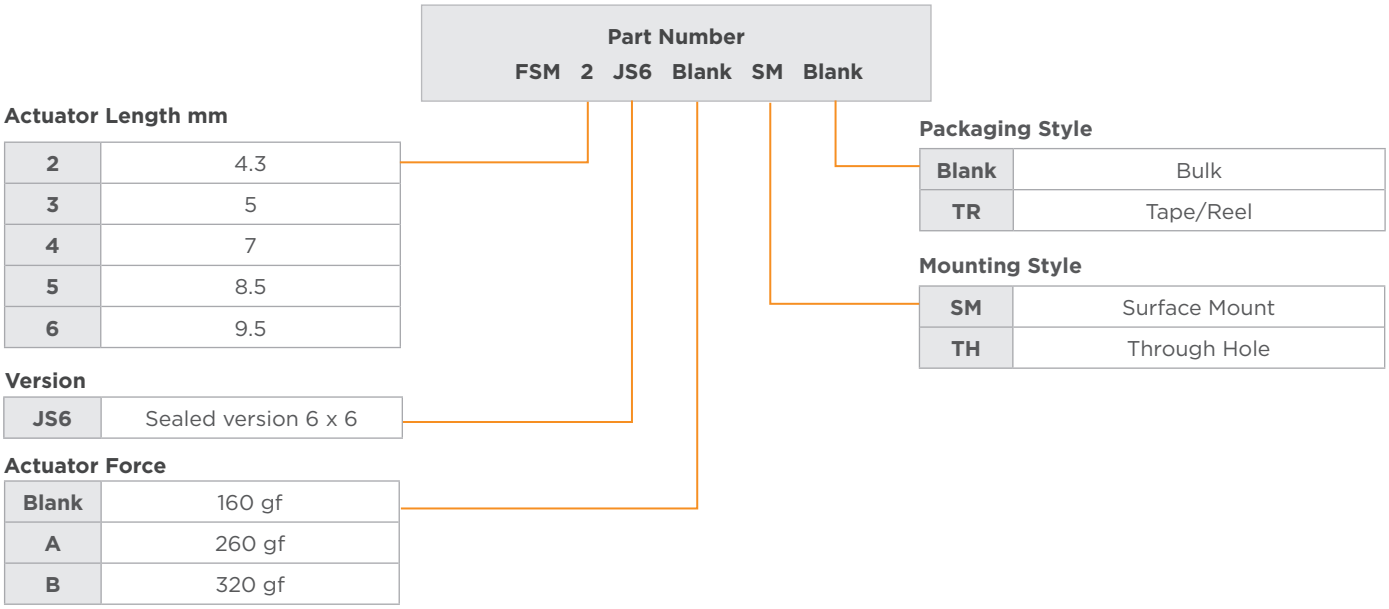
A	Amber
B	Black
C	Blue
E	Grey
G	Green
H	Brown
O	Orange
R	Red
Y	Yellow
W	White

PRODUCT INFORMATION

TE Smart Part Number	Description	Packaging Type	Lifecycle (cycles)	TCPN
STS26A16WSMTR	6.2 x 6.2 x 2.6, 160gf, IP67, Tact	Tape & Reel	100,000	2506465-1
STS26A26RSMTR	6.2 x 6.2 x 2.6, 260gf, IP67, Tact	Tape & Reel	100,000	2506465-2
STS26A50YSMTR	6.2 x 6.2 x 2.6, 500gf, IP67, Tact	Tape & Reel	100,000	2506465-3
STS26A26RJT	6.2 x 6.2 x 2.6, 260gf, IP67, Tact	Bulk	100,000	2506467-1
STS26A26RJ TTR	6.2 x 6.2 x 2.6, 260gf, IP67, Tact T/R	Tape & Reel	100,000	2506467-2
STS34A26RJTR	6.2 x 6.2 x 3.4, 260gf, IP67, Tact	Tape & Reel	100,000	2506467-3
STS34A50YJTR	6.2 x 6.2 x 3.4, 500gf, IP67, Tact	Tape & Reel	100,000	2506467-4
STS25A18BSMTR	6.2 x 6.2 x 2.5, 180gf, IP67, Tact	Tape & Reel	300,000	2506469-1
STS50A18GSMTR	6.2 x 6.2 x 5.0, 180gf, IP67, Tact	Tape & Reel	300,000	2506469-2
STS31A18GSMTR	6.2 x 6.2 x 3.1, 180gf, IP67, Tact	Tape & Reel	300,000	2506469-3
STS31A28CSMTR	6.2 x 6.2 x 3.1, 280gf, IP67, Tact	Tape & Reel	200,000	2506469-4
STS72A18RSMTR	6.2 x 6.2 x 7.2, 180gf, IP67, Tact	Tape & Reel	300,000	2506470-1
STS77A18RSMTR	6.2 x 6.2 x 7.7, 180gf, IP67, Tact	Tape & Reel	300,000	2506470-2
STS77A25BSMTR	6.2 x 6.2 x 7.7, 250gf, IP67, Tact	Tape & Reel	300,000	2506470-3
STS72A25BSMTR	6.2 x 6.2 x 7.2, 250gf, IP67, Tact	Tape & Reel	300,000	2506470-4
STS52BLOJTR	6.45 x 6.45 x 5.2, 350gf, IP67, Tact	Tape & Reel	500,000	2506471-1
STS52BDRJTR	6.45 x 6.45 x 5.2, 260gf, IP67, Tact	Tape & Reel	500,000	2506471-2
STS52BCWJTR	6.45 x 6.45 x 5.2, 180gf, IP67, Tact	Tape & Reel	3,00,0000	2506471-3
STS35BLOJJTR	6.45 x 6.45 x 3.5, 350gf, IP67, Tact	Tape & Reel	500,000	2506471-4
STS35BDRJTR	6.45 x 6.45 x 3.5, 260gf, IP67, Tact	Tape & Reel	500,000	2506471-5
STS35BCWJTR	6.45 x 6.45 x 3.5, 180gf, IP67, Tact	Tape & Reel	3,00,0000	2506471-6
STS31A26RJTR	6.2 x 6.2 x 3.1, 260gf, IP67, Tact	Tape & Reel	100,000	2506472-1
STS31A16HJTR	6.2 x 6.2 x 3.1, 160gf, IP67, Tact	Tape & Reel	100,000	2506472-2
STSC18RRTR	4.5 x 3.65 x 1.7, 180gf, IP67, Tact	Tape & Reel	100,000	2506476-1
STS E16BRSTR	7.1 x 8.5 x 7.0, 160gf, IP67, Tact	Tape & Reel	100,000	2506477-1
STS43I0ETHR	6.0 x 6.0 x 4.3, 100gf, IP67, Tact	Radial	100,000	2506473-1
STS7020BTHR	6.0 x 6.0 x 7.0, 200gf, IP67, Tact	Radial	100,000	2506473-2
STS4316CTHR	6.0 x 6.0 x 4.3, 160gf, IP67, Tact	Radial	100,000	2506473-3
STS13D26BTHR	8.0 x 8.0 x 13, 260gf, IP67, Tact	Radial	100,000	2506474-1
STS12D26BTHR	8.0 x 8.0 x 12.85, 260gf, IP67, Tact	Radial	100,000	2506474-2
STS80JS6BTH	6.0 x 6.0 x 8.0, 160gf, IP67, Tact	Bulk	100,000	2506475-1

PRODUCT CODE STRUCTURE

TACTILE SWITCH : SEALED VERSION 6 X 6



PRODUCT INFORMATION

TE Smart Part Number	Description	Packaging Type	Lifecycle (cycles)	TCPN
FSM2JS6SM	6.0 x 6.0 x 5.0, 160gf, IP67, Tact	Tape & Reel	1,000,000	1977265-1
FSM2JS6SMTR	6.0 x 6.0 x 5.0, 160gf, IP67, Tact	Tape & Reel	1,000,000	1977265-2
FSM3JS6ASMTR	6.0 x 6.0 x 5.0, 260gf, IP67, Tact	Tape & Reel	1,000,000	1977265-3
FSM5JS6SMTR	6.0 x 6.0 x 8.5, 160gf, IP67, Tact	Tape & Reel	1,000,000	1977265-4
FSM4JS6SMTR	6.0 x 6.0 x 7.0, 160gf, IP67, Tact	Tape & Reel	1,000,000	1977265-5
FSM2JS6SMTR-4.3	6.0 x 6.0 x 4.3, 160gf, IP67, Tact	Tape & Reel	1,000,000	1977265-6
FSM2JS6ASMTR	6.0 x 6.0 x 4.3, 260gf, IP67, Tact	Tape & Reel	1,000,000	1977265-7
FSM6JS6BSMTR	6.0 x 6.0 x 9.5, 320gf, IP67, Tact	Tape & Reel	350,000	1977265-8
FSM6JS6SMTR	6.0 x 6.0 x 9.5, 160gf, IP67, Tact	Tape & Reel	1,000,000	1977265-9

PRODUCT CODE STRUCTURE

UMS: ULTRA MINIATURE SERIES

Part Number
UMS A SM Blank

Actuator Force

A	100 gf
B	160 gf
C	260 gf
D	320 gf

Packaging Style

Blank	Bulk
TR	Tape/Reel

Mounting Style

SM	Surface Mount

PRODUCT INFORMATION

TE Smart Part Number	Description	Packaging Type	Lifecycle (cycles)	TCPN
UMSBSMTR	3.0 x 2.0 x 0.6, 160gf, IP67, Tact	Tape & Reel	300,000	2425753-1
UMSCSMTR	3.0 x 2.0 x 0.6, 240gf, IP67, Tact	Tape & Reel	300,000	2425753-2
UMSASMTR	3.0 x 2.0 x 0.6, 100gf, IP67, Tact	Tape & Reel	300,000	2425753-3
UMSDSMTR	3.0 x 2.0 x 0.6, 330gf, IP67, Tact	Tape & Reel	300,000	2425753-4

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