

Keyboard Switches & Accessories - continued

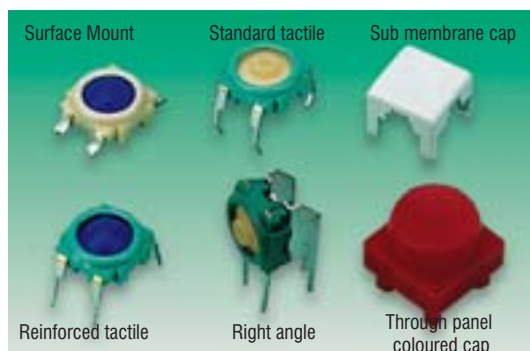
PCB Mount, SPNO - continued

B3F/W Series - Sealed and Unsealed, 50mA @ 24V dc - continued

213076

| | Order Code | Price Each | | |
|------------------------------------|-----------------|------------|-------|-------|
| | | 1+ | 25+ | 50+ |
| Unsealed Switches - B3F | | | | |
| 6 x 6mm, flat | 176-432 | 31.00 | 28.00 | 26.00 |
| 6 x 6mm, projected | 176-433 | 31.00 | 28.00 | 26.00 |
| 6 x 6mm, extended | 959-698 | 35.00 | 31.00 | 29.00 |
| 7.4 x 7.3mm, flat right angle | 959-704 | 31.00 | 28.00 | 26.00 |
| 7.4 x 7.3mm, projected right angle | 959-716 | 31.00 | 28.00 | 26.00 |
| 12 x 12mm, flat | 176-434 | 34.00 | 30.00 | 27.00 |
| 12 x 12mm, projected | 176-435 | 34.00 | 30.00 | 27.00 |
| Sealed Switches - B3W | | | | |
| 6 x 6mm, flat | 176-986 | 34.00 | 30.00 | 27.00 |
| 6 x 6mm, projected | 176-987 | 34.00 | 30.00 | 27.00 |
| 12 x 12mm, flat | 176-988 | 37.00 | 33.00 | 32.00 |
| 12 x 12mm, projected | 176-989 | 37.00 | 33.00 | 30.00 |
| Caps for projected plungers | All Order Codes | 27.00 | 24.00 | 22.00 |

Micro-Cosmos Series, SPNO
Sealed Gold or Silver Contacts



- Tropicalised gold or silver contacts available.
- Surface mount or Auto Insertion through-hole.
- 1 million operations.
- Sealed to withstand wave soldering and solvent immersion cleaning.
- Caps for sub membrane or through panel mounting.
- Positive tactile feel, 3N (std.) or 4.2N (reinforced).

| | | | |
|-----------------|----------------|-----------------------|------------------|
| Nominal voltage | 24V | Contact resistance | <100mR (silver) |
| Max. voltage | 50V | | <20mR (gold) |
| Min. voltage | 100mV (silver) | Dielectric strength | 250V RMS at 50Hz |
| | 10mV (gold) | Insulation resistance | >100MR @ 100V |
| Nominal current | 20mA | Max. bounce | <5ms |
| Min. Current | 10mA (silver) | | |
| | 500µA (gold) | | |

| Mfrs. List No. | Order Code | Mfrs. List No. | Order Code | Mfrs. List No. | Order Code |
|----------------|------------|----------------|------------|----------------|------------|
| MC-12511-92 | 924-880 | MC-10333-00 | 924-933 | 80-57000-03 | 924-982 |
| MC-10311-92 | 924-891 | MC-12555-00 | 924-945 | 80-57000-04 | 924-994 |
| MC-12511-00 | 924-908 | MC-10355-00 | 924-957 | 80-57000-05 | 925-007 |
| MC-10311-00 | 924-910 | 80-55000-09 | 924-969 | 80-57000-07 | 925-019 |
| MC-12551-00 | 924-921 | 80-57000-02 | 924-970 | 80-57000-09 | 925-020 |

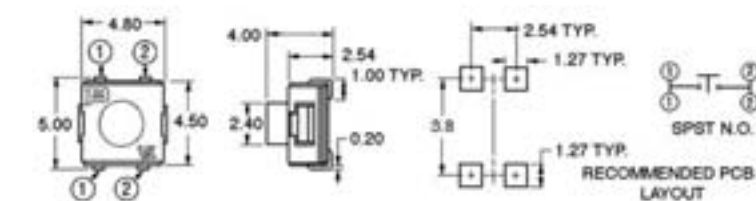
213251

| | Order Code | Price Each | | | |
|------------------------------------|-------------|------------|-------|-------|-------|
| | | 5+ | 50+ | 100+ | 250+ |
| Surface Mount Switches | | | | | |
| Gold contacts, reinfor'd tactile | SMD 924-880 | 76.00 | 67.00 | 59.00 | 51.00 |
| Silver contacts, reinfor'd tactile | SMD 924-891 | 52.00 | 47.00 | 42.00 | 36.00 |
| Through Hole Switches | | | | | |
| Gold contacts, reinfor'd tactile | 924-908 | 71.00 | 63.00 | 55.00 | 47.00 |
| Silver contacts, reinfor'd tactile | 924-910 | 47.00 | 43.00 | 38.00 | 32.00 |
| Gold contacts, std actuation | 924-921 | 54.00 | 50.00 | 44.00 | 40.00 |
| Silver contacts, std actuation | 924-933 | 32.00 | 29.00 | 26.00 | 21.00 |
| Right Angle Switches | | | | | |
| Gold contacts, std actuation | 924-945 | 78.00 | 74.00 | 69.00 | 62.00 |
| Silver contacts, std actuation | 924-957 | 54.00 | 50.00 | 44.00 | 37.00 |
| Caps | | | | | |
| Sub-membrane, square | SMD 924-969 | 12.00 | 10.00 | 9.00 | 8.00 |
| Through panel, round, Red | 924-970 | 16.00 | 15.00 | 14.00 | 12.00 |
| Through panel, round, Green | 924-982 | 16.00 | 15.00 | 14.00 | 12.00 |
| Through panel, round, Yellow | 924-994 | 16.00 | 15.00 | 14.00 | 12.00 |
| Through panel, round, Dark Grey | 925-019 | 16.00 | 15.00 | 14.00 | 12.00 |
| Through panel, round, Light Grey | 925-020 | 16.00 | 15.00 | 14.00 | 12.00 |
| Through panel, round, Blue | 925-007 | 16.00 | 15.00 | 14.00 | 12.00 |

SPNO, 4mm
100mA @ 24V



- Surface mount 4mm size
- Positive tactile operation
- Sealed construction
- Compatible with all surface mount soldering processes



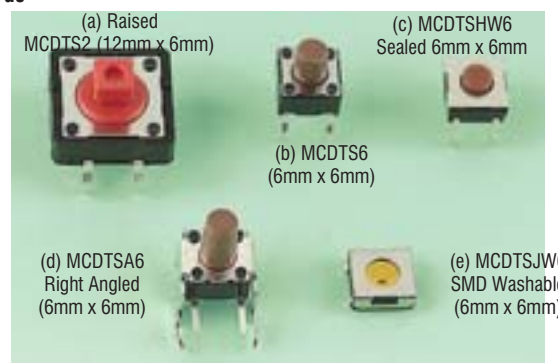
| | | | |
|-----------------------|---------------------|-----------------------|------------------|
| Current rating | 100mA | Voltage rating | 250Vac |
| Contact resistance | 100mR max | Dielectric strength | 250Vac |
| Insulation resistance | 100MR min @ 500V dc | Life cycle | 10000 actuations |
| | | Operating temperature | -55°C to +125°C |

Mfrs. List No. 7914J-001-000

213188

| Order Code | Price Each | | | |
|--------------|------------|-------|-------|-------|
| | 5+ | 25+ | 100+ | 250+ |
| SMD 112-3624 | 51.00 | 46.00 | 41.00 | 37.00 |

Tact Switches - SPNO
50mA @ 12Vdc



- Comprehensive range of SPNO tact switch
- High reliability, long operating life
- Select by overall height, body and actuator length, and operating force

| | | | |
|-----------------------|-----------------------|-----------------------|------------------------|
| Current rating | 50mA | Voltage rating | 12Vdc min. |
| Contact resistance | 100mR max | Insulation resistance | 10MR 500 Vdc |
| Dielectric strength | 250Vac/1 minute | Stop strength | 3kgf 15S |
| Operating temperature | -25°C to +70°C | Wave solder | 260°C max 5S 1.6mm PCB |
| Electrical life | 100000 operations min | Hand solder | 320°C 2S 30W iron |
| PCB Hole dia. | 1.0 +/- 0.05mm | | |

213130

| Order Code | Price Each | | | | | |
|---|------------|-------|-------|-------|-------|----|
| | 5+ | 50+ | 100+ | 250+ | + | |
| MCDTS2 Series (12mm x 12mm) - PCB drilling 12.5mm x 5.0mm | | | | | | |
| Actuator style/Operating Force (gf) | | | | | | |
| Raised/160 | 947-1634 | 30.00 | 27.00 | 24.00 | 19.00 | -- |
| Flat/160 | 947-1642 | 30.00 | 27.00 | 24.00 | 19.00 | -- |
| Raised/260 | 947-1650 | 32.00 | 28.00 | 25.00 | 20.00 | -- |
| Flat/260 | 947-1669 | 30.00 | 28.00 | 25.00 | 20.00 | -- |
| MCDTS6 Series (6mm x 6mm) - PCB drilling 6.5mm x 4.5mm | | | | | | |
| Overall height/Operating Force (gf) | | | | | | |
| 4.3mm/100 | 947-1677 | 18.00 | 17.00 | 15.00 | 12.00 | -- |
| 4.3mm/160 | 947-1685 | 18.00 | 17.00 | 15.00 | 12.00 | -- |
| 4.3mm/260 | 947-1693 | 18.00 | 17.00 | 15.00 | 12.00 | -- |
| 5mm/160 | 947-1707 | 21.00 | 19.00 | 17.00 | 14.00 | -- |
| 5mm/260 | 947-1715 | 22.00 | 19.00 | 18.00 | 14.00 | -- |
| 7mm/100 | 947-1723 | 21.00 | 19.00 | 18.00 | 14.00 | -- |
| 7mm/160 | 947-1731 | 21.00 | 19.00 | 18.00 | 14.00 | -- |
| 7mm/260 | 947-1740 | 22.00 | 19.00 | 18.00 | 14.00 | -- |
| 9.5mm/100 | 947-1758 | 22.00 | 21.00 | 18.00 | 14.00 | -- |
| 9.5mm/160 | 947-1766 | 22.00 | 20.00 | 18.00 | 14.00 | -- |
| 9.5mm/260 | 947-1774 | 22.00 | 20.00 | 18.00 | 14.00 | -- |
| MCDTSHW6 Series (6mm x 6mm) Washable - PCB drilling 6.5mm x 4.0mm | | | | | | |
| 3.8mm/160 | 947-1782 | 39.00 | 35.00 | 31.00 | 26.00 | -- |
| MCDTSA6 Series (6mm x 6mm) Right Angled - PCB drilling about C/L of actuator | | | | | | |
| 4.5mm & 7.0mm row separation 2.5mm | | | | | | |
| Overall length (Switch body & actuator)/Operating force (gf) | | | | | | |
| 8.35mm/100 | 947-1790 | 29.00 | 26.00 | 23.00 | 21.00 | -- |
| 8.35mm/160 | 947-1804 | 27.00 | 24.00 | 21.00 | 18.00 | -- |
| 8.35mm/260 | 947-1820 | 27.00 | 24.00 | 22.00 | 18.00 | -- |
| 3.85mm/100 | 947-1839 | 26.00 | 24.00 | 21.00 | 17.00 | -- |
| 3.85mm/160 | 947-1847 | 26.00 | 24.00 | 21.00 | 17.00 | -- |
| 3.85mm/260 | 947-1855 | 27.00 | 24.00 | 21.00 | 17.00 | -- |
| MCDTSJW6 Series (6mm x 6mm) SMD Washable | | | | | | |
| Overall height/Operating force (gf) | | | | | | |
| 2.3mm/160 | 947-1863 | 43.00 | 38.00 | 34.00 | 28.00 | -- |
| 3.1mm/160 | 947-1871 | 48.00 | 42.00 | 38.00 | 30.00 | -- |