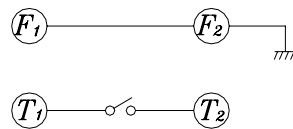
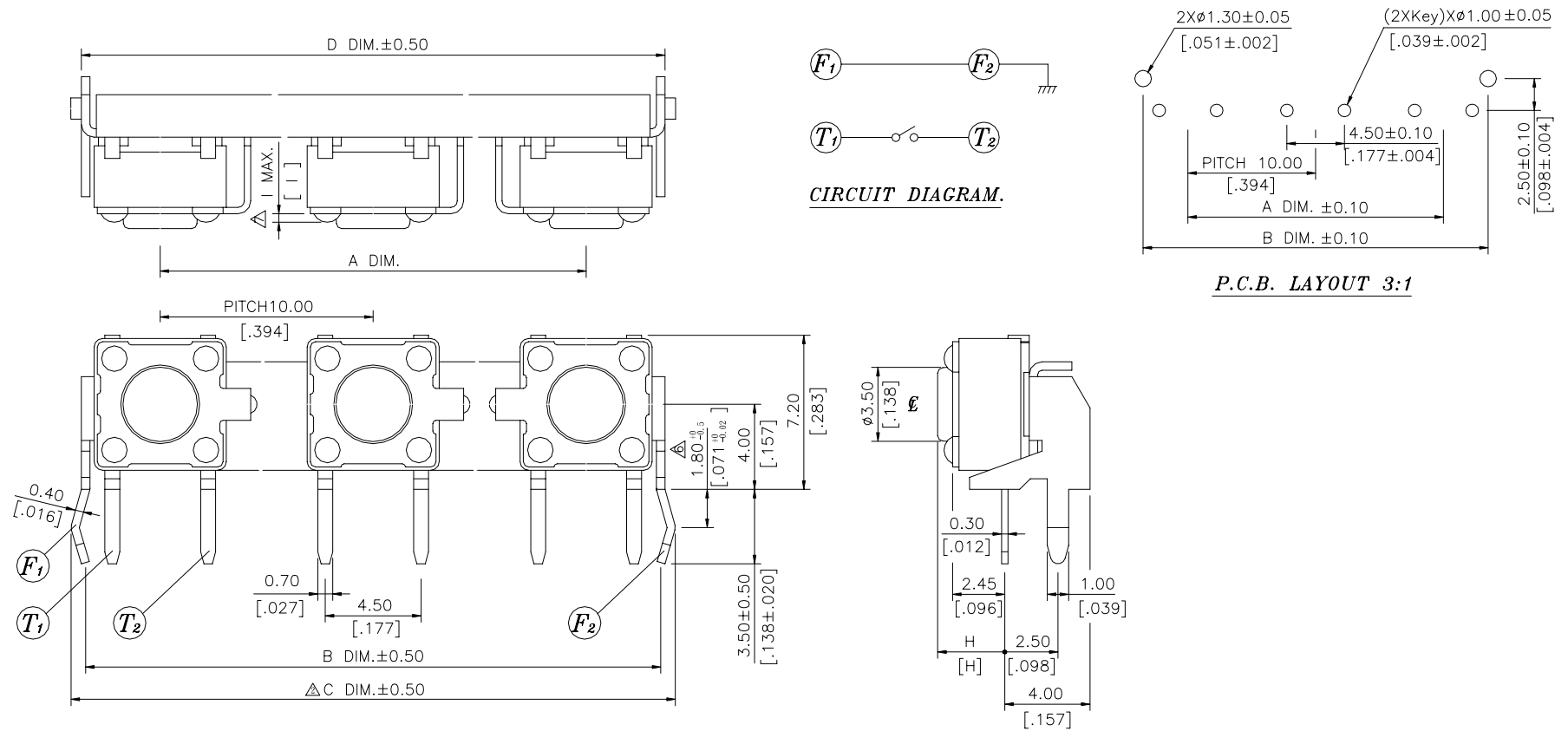


# DTSU-6 SERIES



## DIMENSIONS

### DTSU-6



CIRCUIT DIAGRAM.

P.C.B. LAYOUT 3:1

DTSU-62~66 □	0.5 MAX	.0236 MAX
DTSU-6 1 □	0.4 MAX	.0197 MAX
PROD. NO.	I	INCHES.

### DIMENSION.

DTSU-66 □ - 3 □	11.85 [.467]
DTSU-65 □ - 3 □	8.35 [.329]
DTSU-64 $\frac{4}{8}$ □ - 3 □	6.15 (SQ) [.242]
DTSU-63 □ - 3 □	5.85 [.230]
DTSU-62 □ - 3 □	3.85 [.152]
DTSU-61 □ - 3 □	3.15 [.124]
PROD. NO.	DIM. H

### MODELS

10	2	10	17	18.7	17.4
	3	20	27	28.7	27.4
	4	30	37	38.7	37.4
	5	40	47	48.7	47.4
	6	50	57	58.7	57.4
	7	60	67	68.7	67.4
	14	2	14	22	23.5
3		28	36	37.5	36.4
4		42	50	51.5	50.4
5		56	64	65.5	64.4
6		70	78	79.5	78.4
7		84	92	93.5	92.4
15		2	15	22	23.7
	3	30	37	38.7	37.4
	4	45	52	53.7	52.4
	5	60	67	68.7	67.4
	6	75	82	83.7	82.4
	7	100	97	98.7	97.4
	18	2	18	25	26.7
3		36	43	44.7	43.4
4		54	61	62.7	61.4
5		72	79	80.7	79.4
6		90	97	98.7	97.4
7		108	115	116.7	115.4
20		2	20	27	28.7
	3	40	47	48.7	47.4
	4	60	67	68.7	67.4
	5	80	87	88.7	87.4
	6	100	107	108.7	107.4
	7	120	127	128.7	127.4
	Kind of Pitch	Q'TY of Keys	A DIM	B DIM	C DIM

## HOW TO ORDER

DTSU - 6

Soldering  
V=Lead Free Solderable

QTY Of Keys:

Pitch:  
0 = 2 Keys  
1 = 3 Keys  
2 = 4 Keys  
3 = 6 Keys  
4 = 7 Keys  
5 = 5 Keys

Color of Stem For Operating Force:

K = Black, 100gf  
N = Brown, 160gf  
R = Red, 260gf  
S = Salmon, 320gf  
Y = Yellow, 520gf

Dimension:

1 = 3.15mm  
2 = 3.85mm  
3 = 5.85mm  
44 = 6.15mm (SQ.) x 2.4mm  
48 = 6.15mm (SQ.) x 2.8mm  
5 = 8.35mm  
6 = 11.85mm

Multiple Type Tactile Switch

## SPECIFICATION

### MECHANICAL

520 ± 130gf Yellow (Y)  
320 ± 80gf Salmon (S)  
Operation Force: 260 ± 50gf Red (R)  
160 ± 50gf Brown (N)  
100 ± 50gf Black (K)  
Stop Strength: Max. 3kgf vertical static load continuously  
for 15 seconds.  
Stroke: (6x6) 0.25 + 0.2mm / - 0.1mm  
Operation Temperature: -25 to +70  
Storage Temperature: -30 to +80

### ELECTRICAL

Electrical Life: 100,000 cycles for 320gf, 520gf  
100,000 cycles for 260gf  
200,000 cycles for 100gf, 160gf  
Rating: 50mA , 12VDC  
Contact Resistance: 100MΩ max.  
Insulation Resistance: 100MΩ min. at 500VDC  
Dielectric Strength: 250VAC/ minute  
Contact Arrangement: 1 pole 1 throw

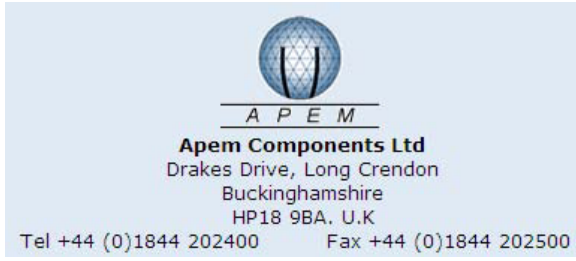
## MATERIALS

COVER: Steel, Tin plated  
BASE: UL94V-0 Nylon Thermoplastic.  
Color: Black  
STEM: UL94V-0 Nylon Thermoplastic  
Color: Black (100gf), Brown (160gf)  
Red (260gf), Salmon (320gf)  
Yellow (520gf)  
CONTACT DISC: Phosphor bronze with silver cladding  
TERMINAL: Brass with silver cladding  
FRAME CASE: Steel, Tin plated

## SOLDERING PROCESS

**WAVE SOLDERING** : Recommended solder temperature at 500 (260 ) max. 5 seconds subject to PCB 1.6 mm. thickness. ( For through hole type )

**HAND SOLDERING** : Use a soldering iron of 30 watts, controlled at 350 approximately max 5 seconds while applying solder.



## **PACKING**

<b>Part Number</b>	<b>Number Per Set</b>	
<b>DTSU-62-10</b>	<b>190</b>	
<b>DTSU-62-11</b>	<b>70</b>	
<b>DTSU-62-12</b>	<b>56</b>	
<b>DTSU-62-13</b>	<b>32</b>	
<b>DTSU-62-14</b>	<b>57</b>	
<b>DTSU-62-15</b>	<b>76</b>	
<b>DTSU-62-20</b>	<b>90</b>	
<b>DTSU-62-21</b>	<b>76</b>	
<b>DTSU-62-22</b>	<b>57</b>	
<b>DTSU-62-23</b>	<b>26</b>	
<b>DTSU-62-31</b>	<b>76</b>	
<b>DTSU-62-32</b>	<b>42</b>	
<b>DTSU-62-33</b>	<b>38</b>	
<b>DTSU-62-42</b>	<b>38</b>	
<b>DTSU-62-52</b>	<b>40</b>	