

REVISIONS			
REV	DATE	BY	APP
B6	100C12017	RK	AS
REVISIONS		DESCRIPTION	
REVISED PER		ECO-17-002273	

Specifications:

Materials:

CASE: NYLON 66 UL94HB, 30% GF-BLACK
ACTUATOR: PBT OR NYLON 66, UL94HB
COVER: STEEL-TIN PLATE
MOVING CONTACT: COPPER ALLOY-SILVER PLATE
FIXED CONTACT/TERMINAL: COPPER ALLOY-SILVER OVER NICKEL PLATE

Electrical:

Max Contact Rating: 50 milliamp@ 24V DC
Min Contact Rating: 10 microamp@1V DC
Initial Contact resistance, 100 milliohms max
Insulation Resistance, 100 Megohm min., @ 100V DC
Dielectric strength, 500 V AC for 1 minute
Life Expectancy, 100,000 cycles min (2 cycles per second and 150% actuation force)

Mechanical:

Actuation force, See Table
Actuation Travel, .010 +.008/- .004
Life Expectancy, 100,000 cycles min (2 cycles per second and 150% actuation force)

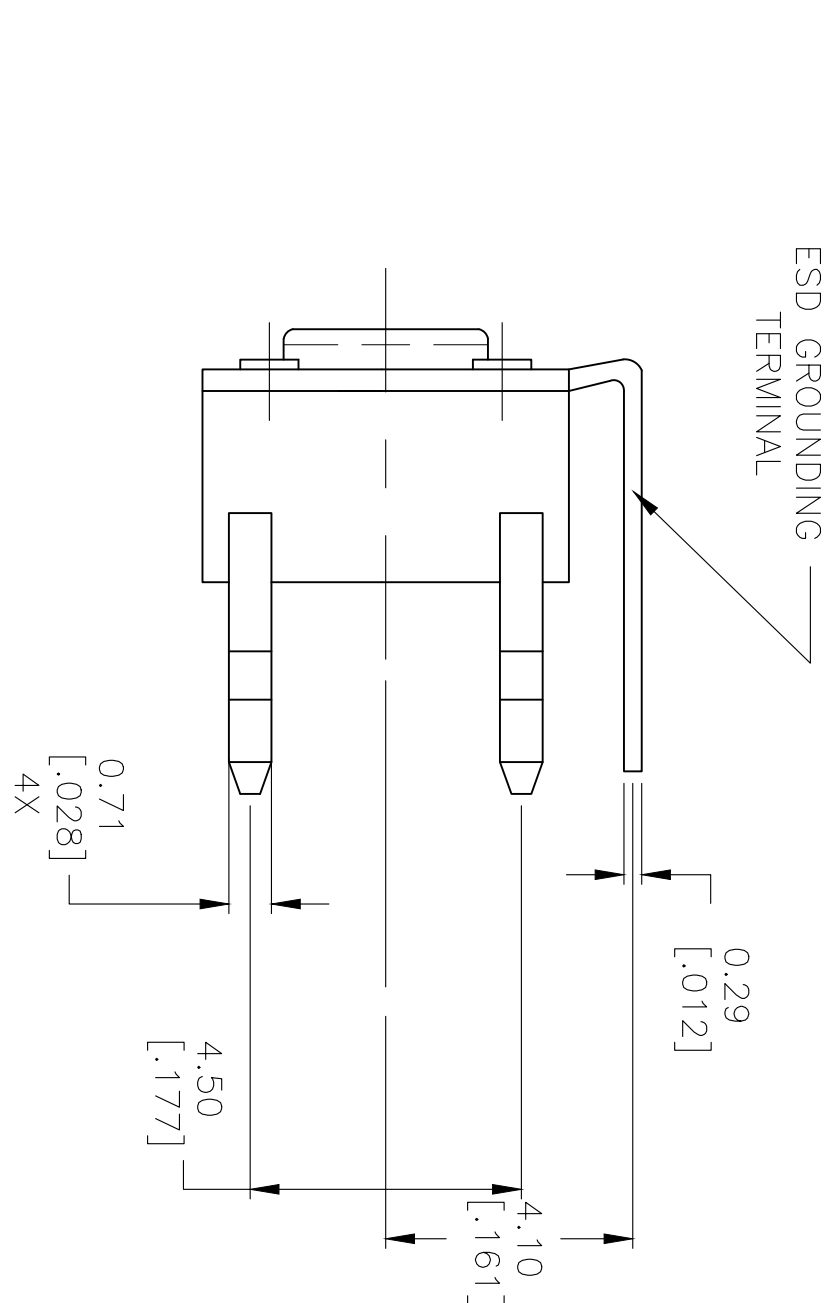
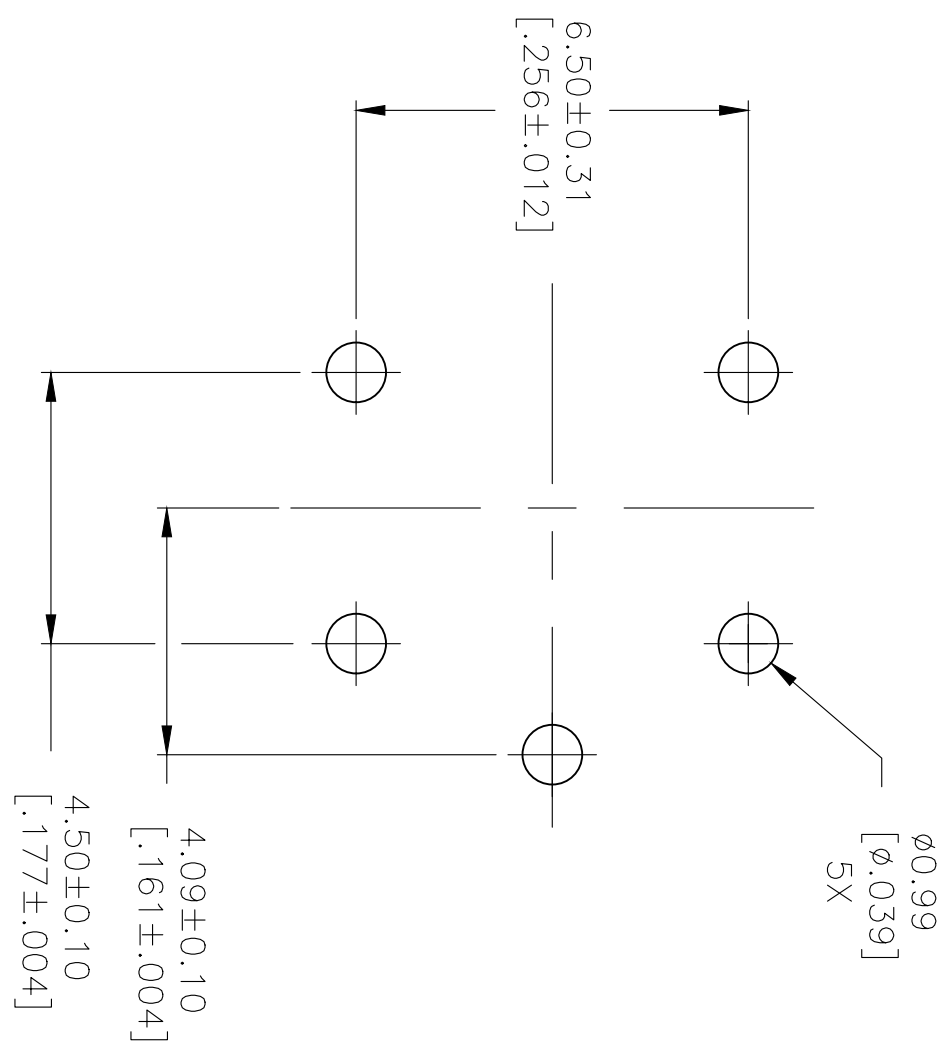
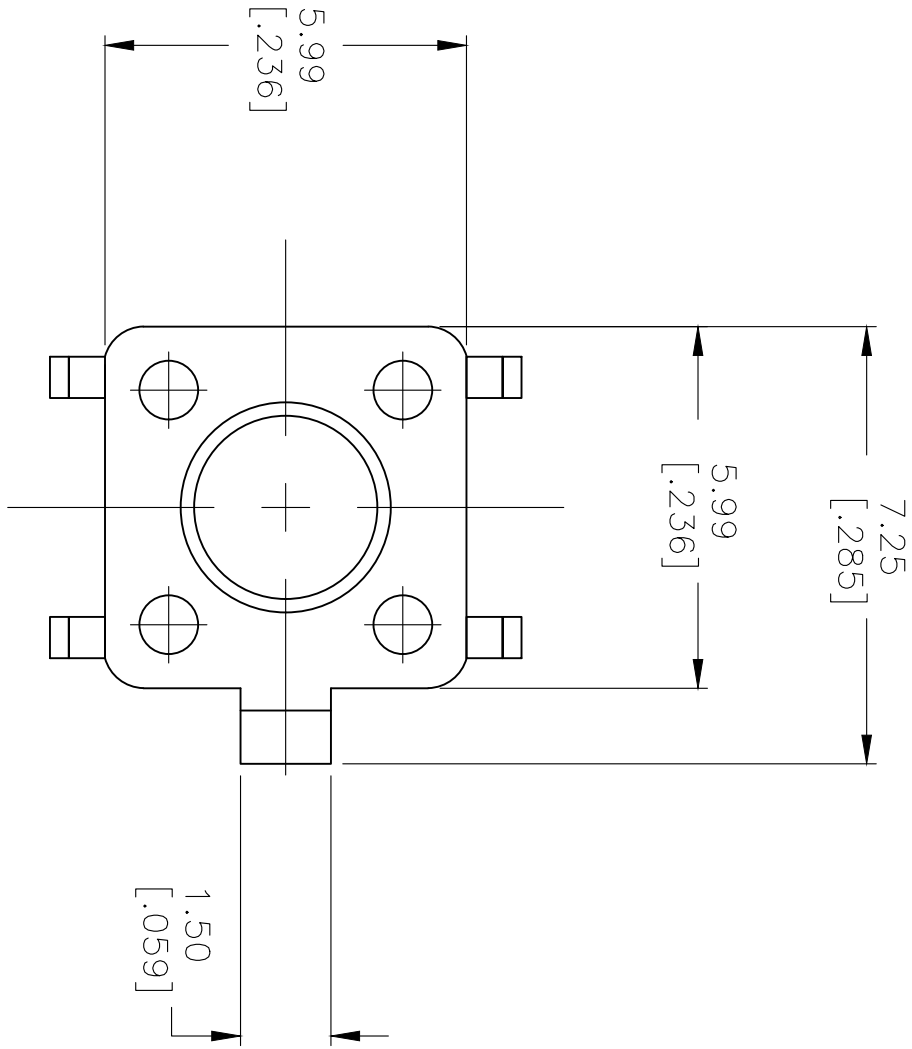
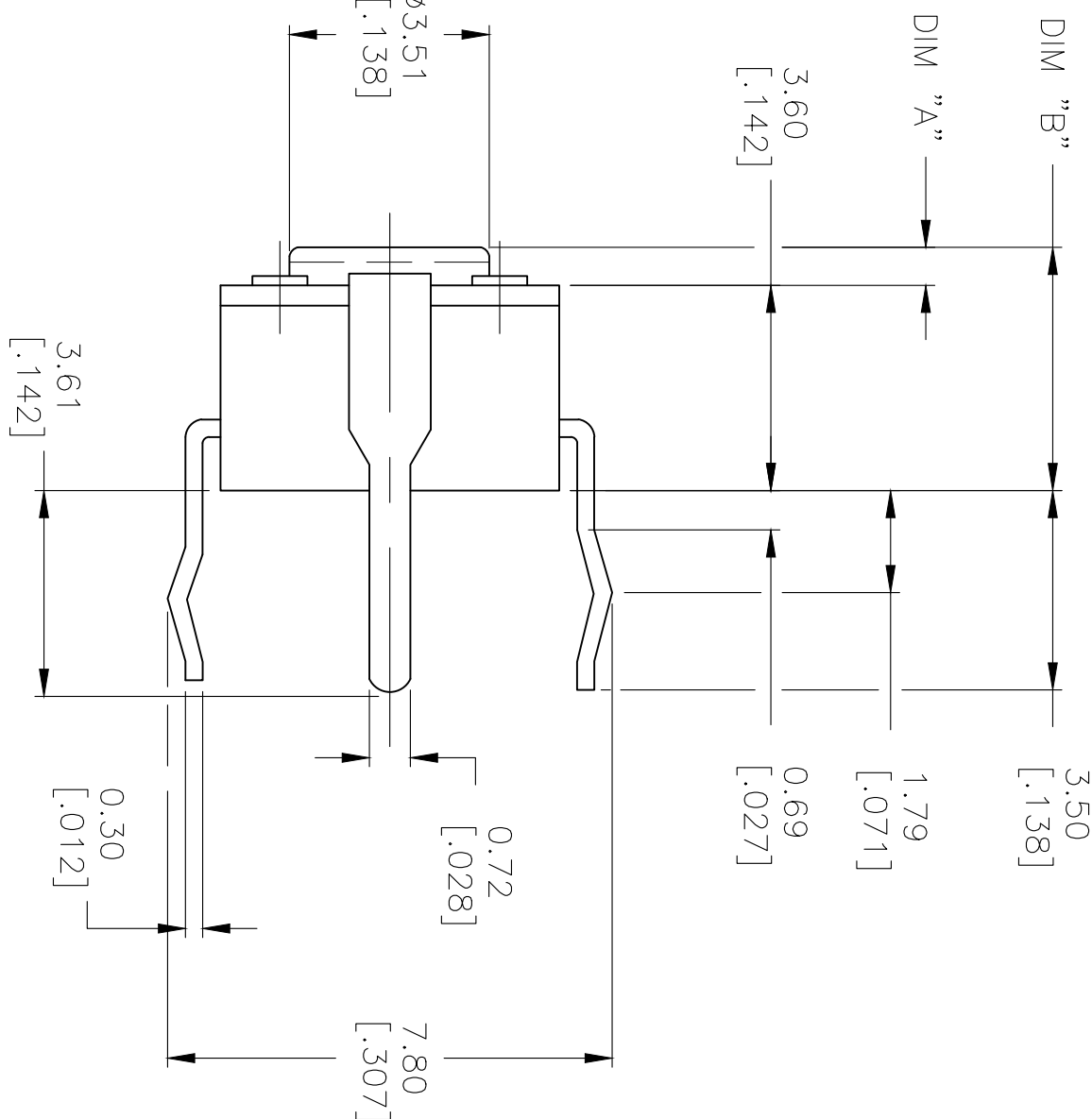
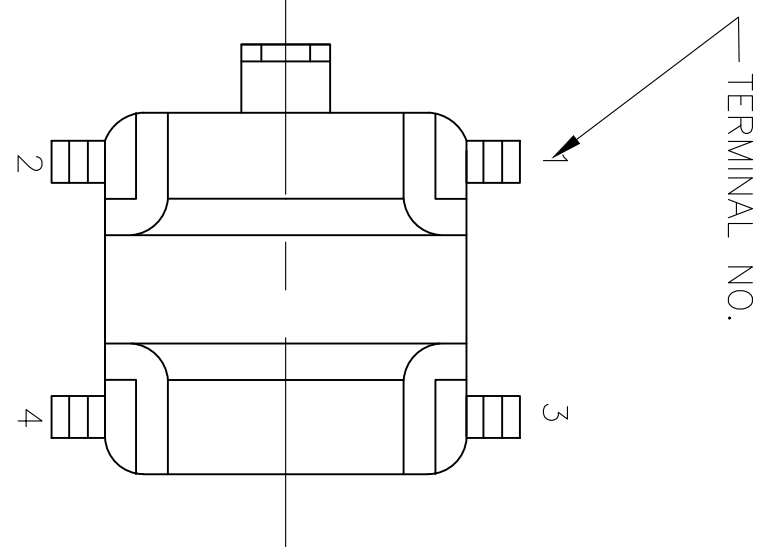
Environmental:

Operating Temperature, -35 to +85 degrees C
Storage Temperature, -35 to +85 degrees C
Thermal Shock, Per EIA-364-32C, -35 to +85 degrees C
Solderability, Per EIA-364-52, Class 2, Category 1, Category 2, 95% Minimum coverage
Resistance to Solder Heat, Per 109-202, Condition B

Notes:

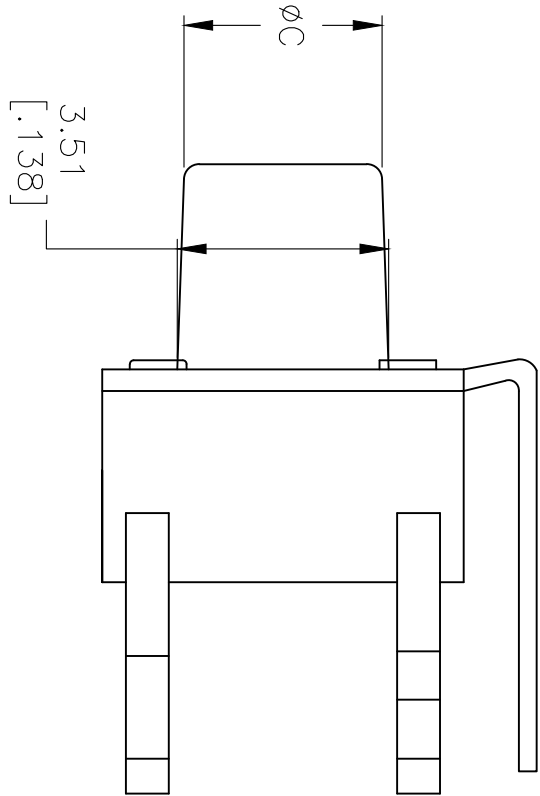
1 ALL MATERIALS AND FINISHES SHALL COMPLY WITH EU DIRECTIVE 2002/95/EC OF 27JAN2003 (ROHS).

PACKAGED IN TRAY



RECOMMENDED HOLE LAYOUT

TOLERANCE ±.002
UNLESS OTHERWISE NOTED



FSM5J THRU FSM17J

() - INDICATES MOMENTARY POSITION	
CIRCUIT CHARACTERISTICS	
CONTACT POSITION	CIRCUIT DIAGRAM
OFF	
(ON)	

	PBT	BLACK	160 +/-50 GF	N/A	5.00 (.196)	1.40 (.055)	FSM3JHTR	3-1825955-7
	NYLON 6/6	YELLOW	520 +/-100 GF	3.09 (.122)	8.50 (.335)	4.90 (.193)	FSM17JAAH	3-1825955-6
	NYLON 6/6	WHITE	260 +/-50 GF	3.09 (.122)	8.50 (.335)	4.90 (.193)	FSM17JAH	3-1825955-5
	NYLON 6/6	BLACK	160 +/-50 GF	3.09 (.122)	8.50 (.335)	4.90 (.193)	FSM17JH	3-1825955-4
	NYLON 6/6	BROWN	100 +/-50 GF	3.09 (.122)	8.50 (.335)	4.90 (.193)	FSM17JLH	3-1825955-3
	NYLON 6/6	YELLOW	520 +/-100 GF	2.80 (.110)	17.00 (.669)	13.40 (.527)	FSM15JAAH	3-1825955-2
	NYLON 6/6	WHITE	260 +/-50 GF	2.80 (.110)	17.00 (.669)	13.40 (.527)	FSM15JAH	3-1825955-1
	NYLON 6/6	BLACK	160 +/-50 GF	2.80 (.110)	17.00 (.669)	13.40 (.527)	FSM15JH	3-1825955-0
	NYLON 6/6	BROWN	100 +/-50 GF	2.80 (.110)	17.00 (.669)	13.40 (.527)	FSM15JLH	2-1825955-9
	NYLON 6/6	YELLOW	520 +/-100 GF	2.87 (.118)	13.00 (.512)	9.40 (.370)	FSM13JAAH	2-1825955-8
	NYLON 6/6	WHITE	260 +/-50 GF	2.87 (.118)	13.00 (.512)	9.40 (.370)	FSM13JAH	2-1825955-7
	NYLON 6/6	BLACK	160 +/-50 GF	2.87 (.118)	13.00 (.512)	9.40 (.370)	FSM13JH	2-1825955-6
	NYLON 6/6	BROWN	100 +/-50 GF	2.87 (.118)	13.00 (.512)	9.40 (.370)	FSM13JLH	2-1825955-5
	NYLON 6/6	YELLOW	520 +/-100 GF	3.20 (.126)	8.00 (.315)	4.40 (.173)	FSM11JAAH	2-1825955-4
	NYLON 6/6	WHITE	260 +/-50 GF	3.20 (.126)	8.00 (.315)	4.40 (.173)	FSM11JAH	2-1825955-3
	NYLON 6/6	BLACK	160 +/-50 GF	3.20 (.126)	8.00 (.315)	4.40 (.173)	FSM11JH	2-1825955-2
	NYLON 6/6	BROWN	100 +/-50 GF	3.20 (.126)	8.00 (.315)	4.40 (.173)	FSM11JLH	2-1825955-1
	NYLON 6/6	YELLOW	520 +/-100 GF	3.25 (.128)	7.30 (.287)	3.70 (.146)	FSM9JAAH	1-1825955-8
	NYLON 6/6	WHITE	260 +/-50 GF	3.25 (.128)	7.30 (.287)	3.70 (.146)	FSM9JAH	1-1825955-7
	NYLON 6/6	BLACK	160 +/-50 GF	3.25 (.128)	7.30 (.287)	3.70 (.146)	FSM9JH	1-1825955-6
	NYLON 6/6	BROWN	100 +/-50 GF	3.25 (.128)	7.30 (.287)	3.70 (.146)	FSM9JLH	1-1825955-5
	NYLON 6/6	YELLOW	520 +/-100 GF	3.10 (.122)	9.50 (.374)	5.90 (.232)	FSM7JAAH	1-1825955-6
	NYLON 6/6	WHITE	260 +/-50 GF	3.10 (.122)	9.50 (.374)	5.90 (.232)	FSM7JAH	1-1825955-5
	NYLON 6/6	BLACK	160 +/-50 GF	3.10 (.122)	9.50 (.374)	5.90 (.232)	FSM7JH	1-1825955-4
	NYLON 6/6	BROWN	100 +/-50 GF	3.10 (.122)	9.50 (.374)	5.90 (.232)	FSM7JLH	1-1825955-3
	NYLON 6/6	YELLOW	520 +/-100 GF	3.30 (.130)	7.00 (.276)	3.40 (.134)	FSM5JAAH	1-1825955-2
	NYLON 6/6	WHITE	260 +/-50 GF	3.30 (.130)	7.00 (.276)	3.40 (.134)	FSM5JAH	1-1825955-1
	NYLON 6/6	BLUE	160 +/-50 GF	3.30 (.130)	7.00 (.276)	3.40 (.134)	FSM5JH	1-1825955-0
	NYLON 6/6	BROWN	100 +/-50 GF	3.30 (.130)	7.00 (.276)	3.40 (.134)	FSM5JLH	1825955-9
	NYLON 6/6	YELLOW	520 +/-100 GF	3.30 (.130)	7.00 (.276)	3.40 (.134)	FSM3JAAH	1825955-8
	NYLON 6/6	WHITE	260 +/-50 GF	3.30 (.130)	7.00 (.276)	3.40 (.134)	FSM3JAH	1825955-7
	NYLON 6/6	BLACK	160 +/-50 GF	3.30 (.130)	7.00 (.276)	3.40 (.134)	FSM3JH	1825955-6
	NYLON 6/6	BROWN	100 +/-50 GF	3.30 (.130)	7.00 (.276)	3.40 (.134)	FSM3JLH	1825955-5
	NYLON 6/6	YELLOW	520 +/-100 GF	3.30 (.130)	7.00 (.276)	3.40 (.134)	FSM1JAAH	1825955-4
	NYLON 6/6	WHITE	260 +/-50 GF	3.30 (.130)	7.00 (.276)	3.40 (.134)	FSM1JAH	1825955-3
	NYLON 6/6	BLACK	160 +/-50 GF	3.30 (.130)	7.00 (.276)	3.40 (.134)	FSM1JH	1825955-2
	NYLON 6/6	BROWN	100 +/-50 GF	3.30 (.130)	7.00 (.276)	3.40 (.134)	FSM1JLH	1825955-1

THIS DRAWING IS A CONTROLLED DOCUMENT.									
DIMENSIONS:		TOLERANCES UNLESS NOTED:		MATERIAL:		SPECIFICATIONS:		CUSTOMER DRAWING:	
mm [INCHES]		mm [INCHES]		SPECIFICATIONS		SPECIFICATIONS		CUSTOMER DRAWING:	
0 R/C		± .1		± .1		± .1		± .1	
1 R/C		± .05 (1.016)		± .05 (1.016)		± .05 (1.016)		± .05 (1.016)	
2 R/C		± .05 (1.016)		± .05 (1.016)		± .05 (1.016)		± .05 (1.016)	
3 R/C		± .05 (1.016)		± .05 (1.016)		± .05 (1.016)		± .05 (1.016)	
4 R/C		± .05 (1.016)		± .05 (1.016)		± .05 (1.016)		± .05 (1.016)	
5 R/C		± .05 (1.016)		± .05 (1.016)		± .05 (1.016)		± .05 (1.016)	
6 R/C		± .05 (1.016)		± .05 (1.016)		± .05 (1.016)		± .05 (1.016)	
7 R/C		± .05 (1.016)		± .05 (1.016)		± .05 (1.016)		± .05 (1.016)	
8 R/C		± .05 (1.016)		± .05 (1.016)		± .05 (1.016)		± .05 (1.016)	
9 R/C		± .05 (1.016)		± .05 (1.016)		± .05 (1.016)		± .05 (1.016)	
10 R/C		± .05 (1.016)		± .05 (1.016)		± .05 (1.016)		± .05 (1.016)	
11 R/C		± .05 (1.016)		± .05 (1.016)		± .05 (1.016)		± .05 (1.016)	
12 R/C		± .05 (1.016)		± .05 (1.016)		± .05 (1.016)		± .05 (1.016)	
13 R/C		± .05 (1.016)		± .05 (1.016)		± .05 (1.016)		± .05 (1.016)	
14 R/C		± .05 (1.016)		± .05 (1.016)		± .05 (1.016)		± .05 (1.016)	
15 R/C		± .05 (1.016)		± .05 (1.016)		± .05 (1.016)		± .05 (1.016)	
16 R/C		± .05 (1.016)		± .05 (1.016)		± .05 (1.016)		± .05 (1.016)	
17 R/C		± .05 (1.016)		± .05 (1.016)		± .05 (1.016)		± .05 (1.016)	
18 R/C		± .05 (1.016)		± .05 (1.016)		± .05 (1.016)		± .05 (1.016)	
19 R/C		± .05 (1.016)		± .05 (1.016)		± .05 (1.016)		± .05 (1.016)	
20 R/C		± .05 (1.016)		± .05 (1.016)		± .05 (1.016)		± .05 (1.016)	
21 R/C		± .05 (1.016)		± .05 (1.016)		± .05 (1.016)		± .05 (1.016)	
22 R/C		± .05 (1.016)		± .05 (1.016)		± .05 (1.016)		± .05 (1.016)	
23 R/C		± .05 (1.016)		± .05 (1.016)		± .05 (1.016)		± .05 (1.016)	
24 R/C		± .05 (1.016)		± .05 (1.016)		± .05 (1.016)		± .05 (1.016)	
25 R/C		± .05 (1.016)		± .05 (1.016)		± .05 (1.016)		± .05 (1.016)	
26 R/C		± .05 (1.016)		± .05 (1.016)		± .05 (1.016)		± .05 (1.016)	
27 R/C		± .05 (1.016)		± .05 (1.016)		± .05 (1.016)		± .05 (1.016)	
28 R/C		± .05 (1.016)		± .05 (1.016)		± .05 (1.016)		± .05 (1.016)	
29 R/C		± .05 (1.016)		± .05 (1.016)		± .05 (1.016)		± .05 (1.016)	
30 R/C		± .05 (1.016)		± .05 (1.016)		± .05 (1.016)		± .05 (1.016)	
31 R/C		± .05 (1.016)		± .05 (1.016)		± .05 (1.016)		± .05 (1.016)	
32 R/C		± .05 (1.016)		± .05 (1.016)		± .05 (1.016)		± .05 (1.016)	
33 R/C		± .05 (1.016)		± .05 (1.016)		± .05 (1.016)		± .05 (1.016)	
34 R/C		± .05 (1.016)		± .05 (1.016)		± .05 (1.016)		± .05 (1.016)	
35 R/C		± .05 (1.016)		± .05 (1.016)		± .05 (1.016)		± .05 (1.016)	
36 R/C		± .05 (1.016)		± .05 (1.016)		± .05 (1.016)		± .05 (1.016)	
37 R/C		± .05 (1.016)		± .05 (1.016)		± .05 (1.016)		± .05 (1.016)	
38 R/C		± .05 (1.016)		± .05 (1.016)		± .05 (1.016)		± .05 (1.016)	
39 R/C		± .05 (1.016)		± .05 (1.016)		± .05 (1.016)		± .05 (1.016)	
40 R/C		± .05 (1.016)		± .05 (1.016)		± .05 (1.016)		± .05 (1.016)	
41 R/C		± .05 (1.016)		± .05 (1.016)		± .05 (1.016)		± .05 (1.016)	
42 R/C		± .05 (1.016)		± .05 (1.016)		± .05 (1.016)		± .05 (1.016)	
43 R/C		± .05 (1.016)		± .05 (1.016)		± .05 (1.016)		± .05 (1.016)	
44 R/C		± .05 (1.016)		± .05 (1.016)		± .05 (1.016)		± .05 (1.016)	
45 R/C		± .05 (1.016)		± .05 (1.016)		± .05 (1.016)		± .05 (1.016)	
46 R/C		± .05 (1.016)		± .05 (1.016)		± .05 (1.016)		± .05 (1.016)	
47 R/C		± .05 (1.016)		± .05 (1.016)		± .05 (1.016)		± .05 (1.016)	
48 R/C		± .05 (1.016)		± .05 (1.016)		± .05 (1.016)		± .05 (1.016)	
49 R/C		± .05 (1.016)		± .05 (1.016)		± .05 (1.016)		± .05 (1.016)	
50 R/C		± .05 (1.016)		± .05 (1.016)		± .05 (1.016)		± .05 (1.016)	
51 R/C		± .05 (1.016)		± .05 (1.016)		± .05 (1.016)		± .05 (1.016)	
52 R/C		± .05 (1.016)		± .05 (1.016)		± .05 (1.016)		± .05 (1.016)	
53 R/C		± .05 (1.016)		± .05 (1.016)		± .05 (1.016)		± .05 (1.016)	
54 R/C		± .05 (1.016)		± .05 (1.016)		± .05 (1.016)		± .05 (1.016)	
55 R/C		± .05 (1.016)		± .05 (1.016)		± .05 (1.016)		± .05 (1.016)	
56 R/C		± .05 (1.016)		± .05 (1.016)		± .05 (1.016)		± .05 (1.016)	
57 R/C		± .05 (1.016)		± .05 (1.016)		± .05 (1.016)		± .05 (1.016)	
58 R/C		± .05 (1.016)		± .05 (1.016)		± .05 (1.016)		± .05 (1.016)	
59 R/C		± .05 (1.016)		± .05 (1.016)		± .05 (1.016)		± .05 (1.016)	
60 R/C		± .05 (1.016)		± .05 (1.016)		± .05 (1.016)		± .05 (1.016)	
61 R/C		± .05 (1.016)		± .05 (1.016)		± .05 (1.016)		± .05 (1.016)	
62 R/C		± .05 (1.016)		± .05 (1.016)		± .05 (1.016)		± .05 (1.016)	
63 R/C		± .05 (1.016)		± .05 (1.016)		± .05 (1.016)		± .05 (1.016)	
64 R/C		± .05 (1.016)		± .05 (1.016)		± .05 (1.016)		± .05 (1.016)	
65 R/C		± .05 (1.016)		± .05 (1.016)		± .05 (1.016)		± .05 (1.016)	
66 R/C		± .05 (1.016)		± .05 (1.016)		± .05 (1.016)		± .05 (1.016)	
67 R/C		± .05 (1.016)		± .05 (1.016)		± .05 (1.016)		± .05 (1.016)	
68 R/C		± .05 (1.016)		± .05 (1.016)		± .05 (1.016)		± .05 (1.016)	
69 R/C		± .05 (1.016)		± .05 (1.016)		± .05 (1.016)		± .05 (1.016)	
70 R/C		± .05 (1.016)		± .05 (1.016)		± .05 (1.016)		± .05 (1.016)	
71 R/C		± .05 (1.016)		± .05 (1.016)		± .05 (1.016)		± .05 (1.016)	
72 R/C		± .05 (1.016)		± .05 (1.016)		± .05 (1.016)		± .05 (1.016)	
73 R/C		± .05 (1.016)		± .05 (1.016)		± .05 (1.016)		± .05 (1.016)	
74 R/C		± .05 (1.016)		± .05 (1.016)		± .05 (1.016)		± .05 (1.016)	
75 R/C		± .05 (1.016)		± .05 (1.016)		± .05 (1.016)		± .05 (1.016)	
76 R/C		± .05 (1.016)		± .05 (1.016)		± .05 (1.016)		± .05 (1.016)	
77 R/C		± .05 (1.016)		± .05 (1.016)		± .05 (1.016)		± .05 (1.016)	
78 R/C		± .05 (1.016)		± .05 (1.016)		± .05 (1.016)		± .05 (1.016)	
79 R/C		± .05 (1.016)		± .05 (1.016)		± .05 (1.016)		± .05 (1.016)	
80 R/C		± .05 (1.016)		± .05 (1.016)		± .05 (1.016)		± .05 (1.016)	
81 R/C		± .05 (1.016)		± .05 (1.016)		± .05 (1.016)		± .05 (1.016)	
82 R/C		± .05 (1.016)		± .05 (1.016)		± .05 (1.016)		± .05 (1.016)	
83 R/C		± .05 (1.016)		± .05 (1.016)		± .05 (1.016)		± .05 (1.016)	
84 R/C		± .05 (1.016)		± .05 (1.016)		± .05 (1.016)		± .05 (1.016)	
85 R/C		± .05 (1.016)		± .05 (1.016)		± .05 (1.016)		± .05 (1.016)	
86 R/C		± .05 (1.016)		± .05 (1.016)		± .05 (1.016)		± .05 (1.016)	
87 R/C		± .05 (1.016)		± .05 (1.016)		± .05 (1.016)		± .05 (1.016)	
88 R/C		± .05 (1.016)		± .05 (1.016)		± .05 (1.016)		± .05 (1.016)	
89 R/C		± .05 (1.016)		± .05 (1.016)		± .05 (1.016)		± .05 (1.016)	
90 R/C		± .05 (1.016)		± .05 (1.016)		± .05 (1.016)		± .05 (1.016)	
91 R/C		± .05 (1.016)		± .05 (1.016)		± .05 (1.016)		± .05 (1.016)	
92 R/C		± .05 (1.016)		± .05 (1.016)		± .05 (1.016)		± .05 (1.016)	
93 R/C		± .05 (1.016)		± .05 (1.016)		± .05 (1.016)		± .05 (1.016)	
94 R/C		± .05 (1.016)		± .05 (1.016)		± .05 (1.016)		± .05 (1.016)	
95 R/C		± .05 (1.016)		± .05 (1.016)		± .05 (1.016)		± .05 (1.016)	
96 R/C		± .05 (1.016)		± .05 (1.016)		± .05 (1.016)		± .05 (1.016)	
97 R/C		± .05 (1.016)		± .05 (1.016)		± .05 (1.016)		± .05 (1.016)	
98 R/C		± .05 (1.016)		± .05 (1.016)		± .05 (1.016)		± .05 (1.016)	
99 R/C		± .05 (1.016)		± .05 (1.016)		± .05 (1.016)		± .05 (1.016)	
100 R/C		± .05 (1.016)		± .05 (1.016)		± .05 (1.016)		± .05 (1.016)	