

PRODUCT NUMBER

20020303-XXXXXXLF

20020303-

PITCH

D: 3.81 mm
G: 5.00 mm
H: 5.08 mm

POLES

02: 2 POLES
03: 3 POLES
.....
24: 24 POLES

LF : DENOTED RoHS COMPATIBLE

1 : STANDARD PRODUCT
W/ BOX PACKING

PROPERTY TABLE

FCI SERIES NAME		09-381	09-500	09-508
PITCH (mm)		3.81	5.00	5.08
VOLTAGE RATING (VAC)		300	300	300
CURRENT RATING (A)		6	10	10
APPLICABLE WIRE RANGE (AWG)		1-WIRE	16~26	14~24
		2-WIRE	NA	NA
WIRE CROSS SECTION (mm ²)	SOLID	1-WIRE	1.0	1.5
		2-WIRE	NA	NA
	STRANDED	1-WIRE	1.0	1.5
		2-WIRE	NA	NA
OPENING CONTACT HOUSING(mm ²)		1.7x1.7	2.4x2.4	2.4x2.4
WIRE STRIP LENGTH(mm)		9~10	9~10	9~10
WITHSTANDING VOLTAGE (kV)		1.6	1.6	1.6
OPERATING TEMP. (°C)		-40~+115	-40~+115	-40~+115
SOLDERING TEMP. (°C)		250±10 (5 sec.)	250±10 (5 sec.)	250±10 (5 sec.)
POLES AVAILABLE		02~24	02~24	02~24
SAFETY CERTIFICATE				

HOUSING CODE

CODE	COLOR	AVAILABILITY
1	GREEN(RAL 6018/T)	STANDARD
2	BLACK	ON REQUEST ONLY
3	GREY(RAL 7004/P)	ON REQUEST ONLY
4	BLUE(RAL 5015/A)	ON REQUEST ONLY

NOTES:

1. MATERIALS

- 1-1 TERMINAL BODY: THERMALPLASTIC RESIN, UL 94V-0 RATED.
- 1-2 TERMINAL COVER: THERMALPLASTIC RESIN, UL 94V-0 RATED.
- 1-3 TERMINAL LEVER: THERMALPLASTIC RESIN, UL 94V-0 RATED.
- 1-5 TERMINAL: COPPER ALLOY, TIN PLATED.
- 1-6 SPRING CLAMP: STAINLESS STEEL.

2. PRODUCT SPECIFICATION REFER TO FCI GS-12-625.

3. PRODUCT PACKING SPECIFICATION REFER TO FCI GS-14-1394.

4. FCI, SAFETY CERTIFICATE LOGO AND SERIES NAME TO BE SHOWN ON PRODUCT SURFACE.

5. THE PRODUCTS WHERE THE PART NUMBER END IN "LF" MEET THE EUROPEAN UNION DIRECTIVE AND OTHER COUNTRY REGULATIONS AS DESCRIBED IN GS-22-008.

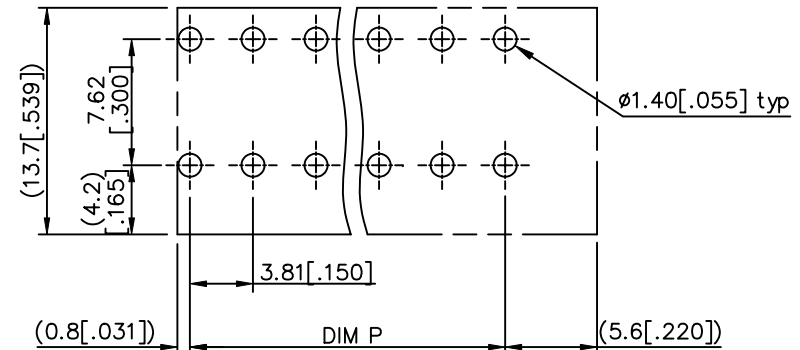
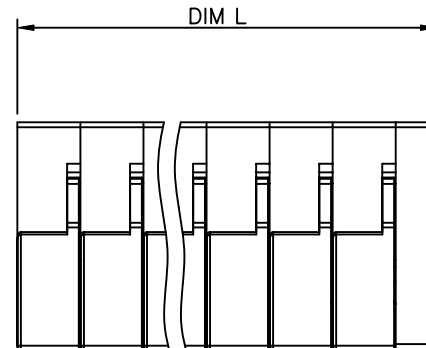
6. RECOMMENDED SOLDERING PROCESS BY WAVE SOLDER.

mat'l. code				surface ASME Y14.5	tolerance ASME Y14.5	projection 	product family TERMINAL BLOCK
ltr	ecn no	dr	date	tolerances unless otherwise specified			title
A	T10-0191	WL	122010	angles	X.±0.5	MM	TERMINAL BLOCK FIXED SIGNAL PLUG, RIGHT ANGLE WIRE INLET
B	T11-0012	WL	021711	holes	X.X±0.3	[INCH]	
C	T-005281	WL	082311	holes	X.XX±0.1	scale	
				dr	WENDY CHEN	110910	dwg no 20020303 sheet 1 of 4 size A4
				enrg	JASON HSU	110910	
				chr	JASON HSU	110910	
				appd	JASON HSU	110910	
sheet index	revision	C	C	C	C		type CUSTOMER Drawing
	sheet	1	2	3	4		

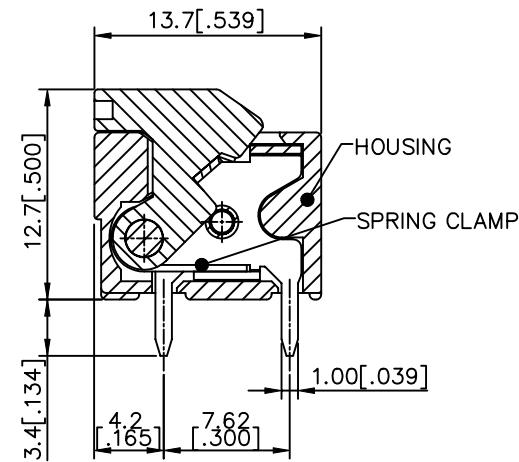
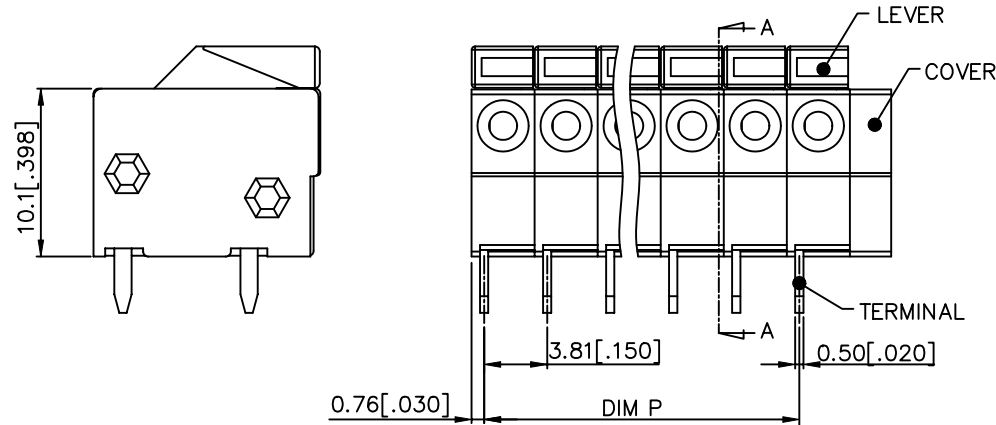
PRODUCT NUMBER	SERIES NAME	PITCH
20020303-DXXXXXXLF	09-381	3.81 mm

N = Number of poles
 Dim L = $N \times 3.81[.150] + 2.5[.098]$
 Dim P = $(N-1) \times 3.81[.150]$

POLES	Dim L	Dim P
2-6P	$\pm 0.15[.006]$	$\pm 0.10[.004]$
7-12P	$\pm 0.20[.008]$	$\pm 0.20[.008]$
13-18P	$\pm 0.30[.012]$	$\pm 0.25[.010]$
19-24P	$\pm 0.40[.016]$	$\pm 0.30[.012]$



P.C.B. LAYOUT



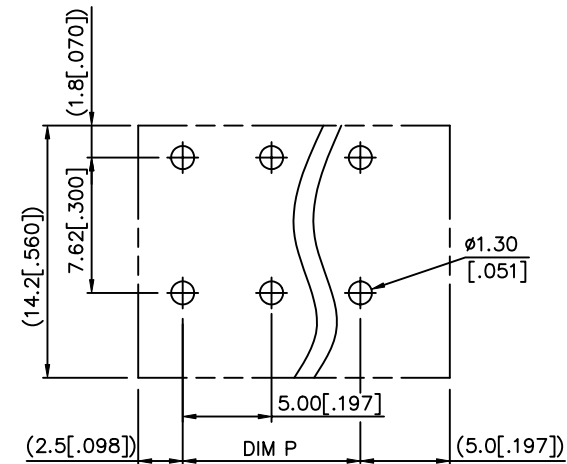
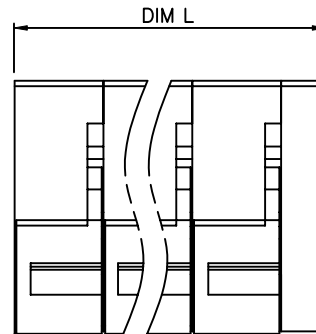
SEC. A-A

mat'l. code				surface ASME Y14.5	tolerance ASME Y14.5	projection 	product family TERMINAL BLOCK
ltr	ecn no	dr	date	tolerances unless otherwise specified			title
c				angles	$X \pm 0.5$	MM [INCH]	TERMINAL BLOCK
				linear	$X.X \pm 0.3$		FIXED SIGNAL PLUG, RIGHT ANGLE WIRE INLET
				$X \pm 1^\circ$	$X.XX \pm 0.1$	scale	dwg no
				dr	WENDY CHEN	110910	sheet 2 of 4
				enr	JASON HSU	110910	size
				chr	JASON HSU	110910	20020303
				appd	JASON HSU	110910	A4
sheet index	revision sheet						type
							CUSTOMER Drawing

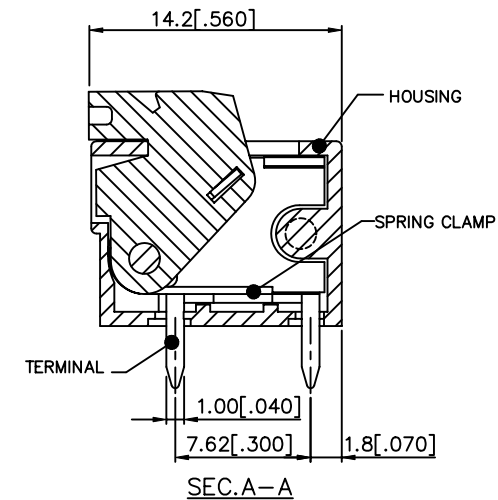
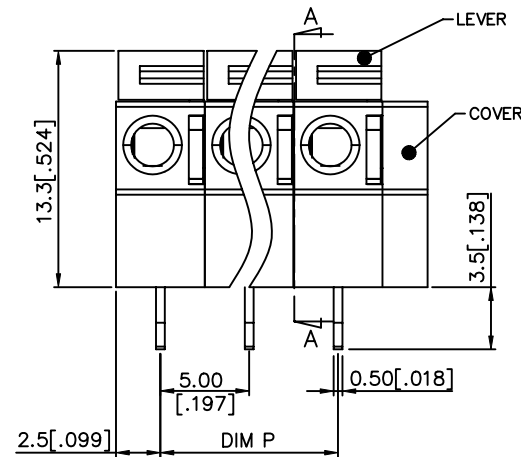
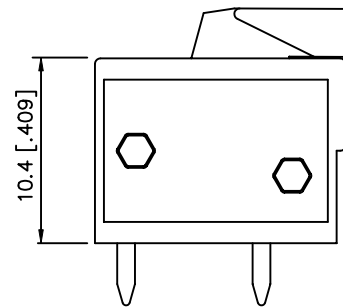
PRODUCT NUMBER	SERIES NAME	PITCH
20020303-GXXXXXXLF	09-500	5.00 mm

N = Number of poles
 Dim L = $N \times 5.0[.197] + 2.54[.100]$
 Dim P = $(N-1) \times 5.0[.197]$

POLES	Dim L	Dim P
2-6p	$\pm 0.15[.006]$	$\pm 0.10[.004]$
7-12p	$\pm 0.20[.008]$	$\pm 0.20[.008]$
13-18p	$\pm 0.30[.012]$	$\pm 0.25[.010]$
19-24p	$\pm 0.40[.016]$	$\pm 0.30[.012]$



P.C.B. LAYOUT



SEC. A-A

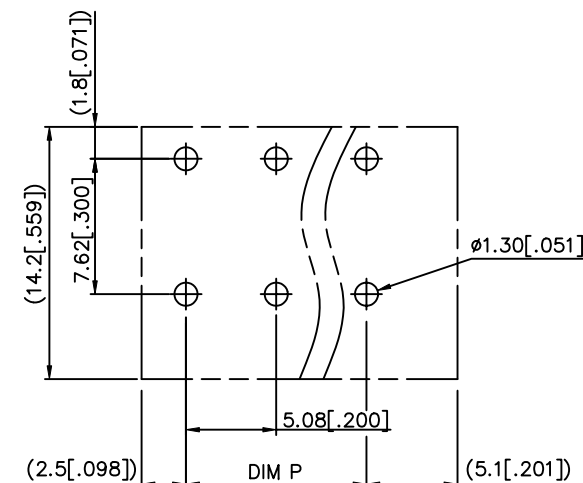
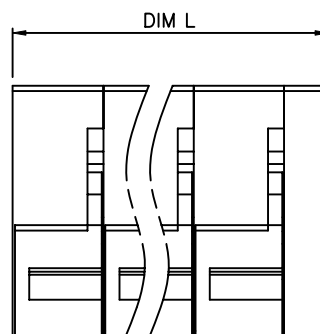
mat'l. code				surface ASME Y14.5	tolerance ASME Y14.5	projection	product family TERMINAL BLOCK
ltr	ecn no	dr	date	tolerances unless otherwise specified			title
c				angles	$X \pm 0.5$	MM	TERMINAL BLOCK FIXED SIGNAL PLUG, RIGHT ANGLE WIRE INLET
				$X \pm 1^\circ$	$X.X \pm 0.3$	[INCH]	
					$X.XX \pm 0.1$	scale	dwg no
				dr	WENDY CHEN	110910	sheet 3 of 4
				enr	JASON HSU	110910	size
				chr	JASON HSU	110910	20020303
				appd	JASON HSU	110910	A4
sheet index	revision sheet						type
							CUSTOMER Drawing



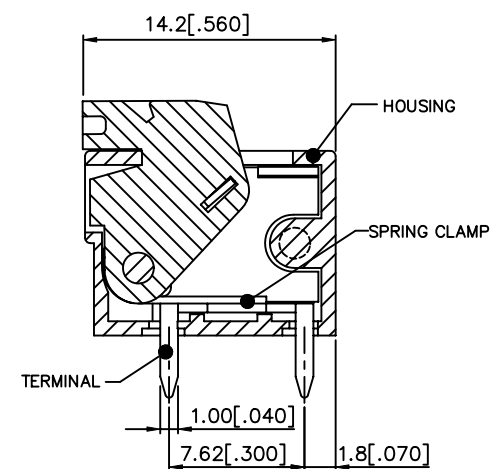
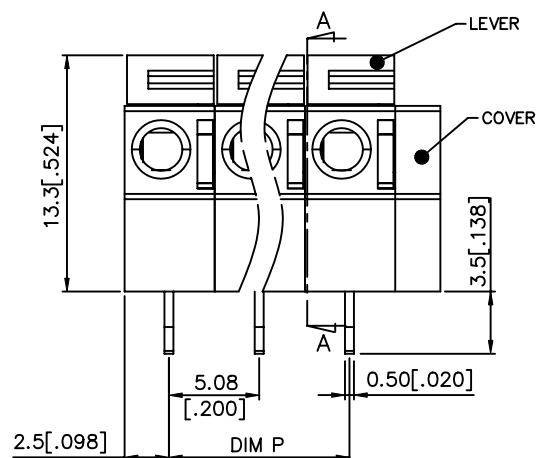
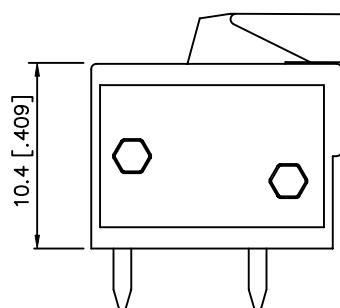
PRODUCT NUMBER	SERIES NAME	PITCH
20020303-HXXXXXXLF	09-508	5.08 mm

N = Number of poles
 Dim L = $N \times 5.08 [.200] + 2.54 [.100]$
 Dim P = $(N-1) \times 5.08 [.200]$

POLES	Dim L	Dim P
2-6p	$\pm 0.15 [.006]$	$\pm 0.10 [.004]$
7-12p	$\pm 0.20 [.008]$	$\pm 0.20 [.008]$
13-18p	$\pm 0.30 [.012]$	$\pm 0.25 [.010]$
19-24p	$\pm 0.40 [.016]$	$\pm 0.30 [.012]$



P.C.B. LAYOUT



SEC. A-A

mat'l. code				surface ASME Y14.5	tolerance ASME Y14.5	projection 	product family TERMINAL BLOCK
ltr	ecn	no	dr	date			title
c							
				angles	$X \pm 0.5$	$\frac{MM}{INCH}$	TERMINAL BLOCK
					$X.X \pm 0.3$		FIXED SIGNAL PLUG, RIGHT ANGLE WIRE INLET
				$X \pm 1^\circ$	$X.XX \pm 0.1$	scale	
			dr	WENDY CHEN	110910		dwg no
			enr	JASON HSU	110910		sheet 4 of 4
			chr	JASON HSU	110910		size
			appd	JASON HSU	110910		A4
sheet index	revision	sheet					type
							CUSTOMER Drawing

Mouser Electronics

Authorized Distributor

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[20020303-H231B01LF](#) [20020303-H061B01LF](#) [20020303-D091B01LF](#) [20020303-H171B01LF](#) [20020303-D211B01LF](#)
[20020303-G201B01LF](#) [20020303-G111B01LF](#) [20020303-D231B01LF](#) [20020303-G241B01LF](#) [20020303-](#)
[D241B01LF](#) [20020303-H111B01LF](#) [20020303-H141B01LF](#) [20020303-D101B01LF](#) [20020303-G101B01LF](#) [20020303-](#)
[G231B01LF](#) [20020303-H071B01LF](#) [20020303-G211B01LF](#) [20020303-H081B01LF](#) [20020303-H211B01LF](#)
[20020303-D071B01LF](#) [20020303-D181B01LF](#) [20020303-D061B01LF](#) [20020303-G091B01LF](#) [20020303-G191B01LF](#)
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[20020303-G141B01LF](#) [20020303-D141B01LF](#) [20020303-G032B01LF](#) [20020303-G042B01LF](#)