

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.

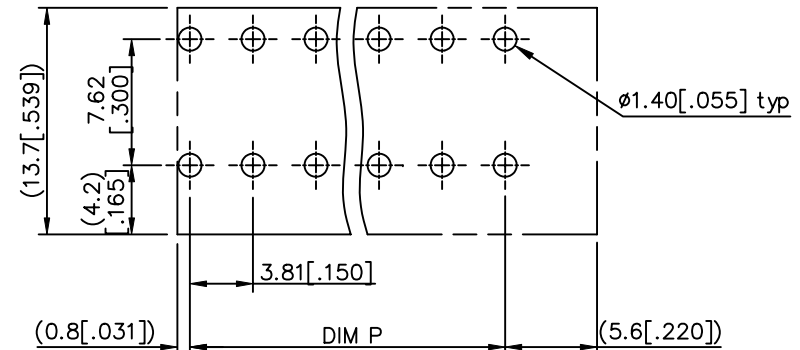
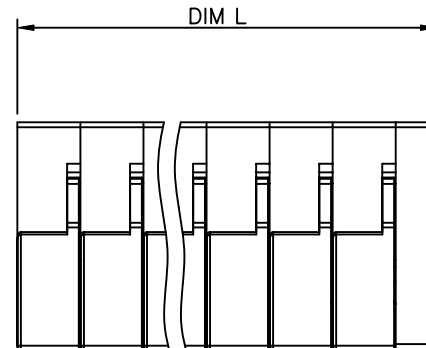
6. RECOMMENDED SOLDERING PROCESS BY WAVE SOLDER.

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

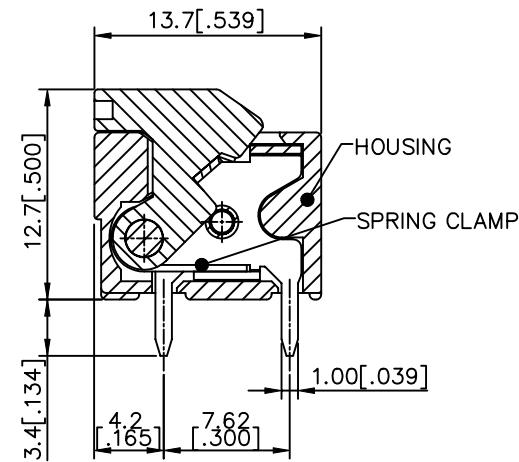
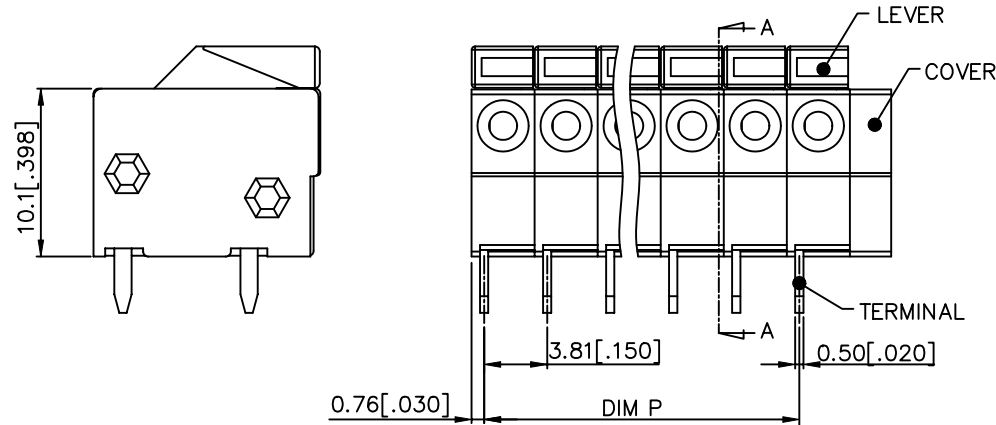
PRODUCT NUMBER	SERIES NAME	PITCH
20020303-DXXXXXXLF	09-381	3.81 mm

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



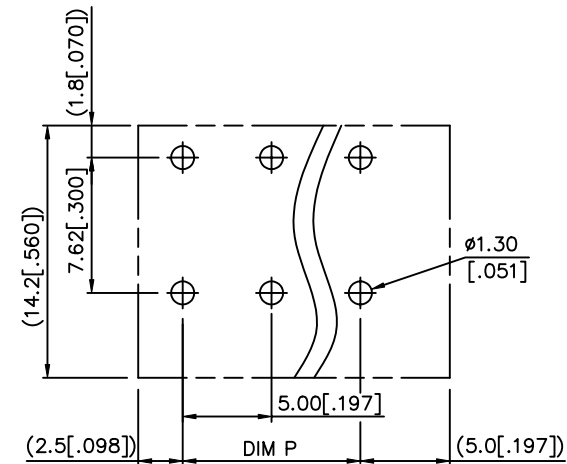
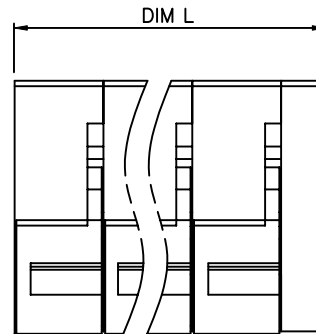
SEC. A-A

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		lineal		X.±0.5							
										MM		TERMINAL BLOCK							
								X'±1"		[INCH]		FIXED SIGNAL PLUG, RIGHT ANGLE WIRE INLET							
								X.XX±0.1		scale									
				dr		WENDY CHEN		110910				dwg no		sheet 2 of 4		size			
				enr		JASON HSU		110910				20020303		A4					
				chr		JASON HSU		110910											
				appd		JASON HSU		110910											
sheet index		revision sheet																	

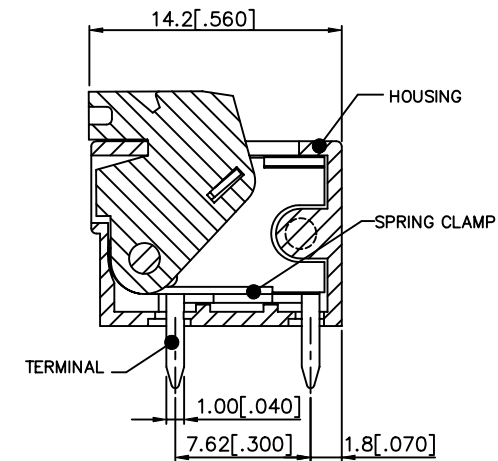
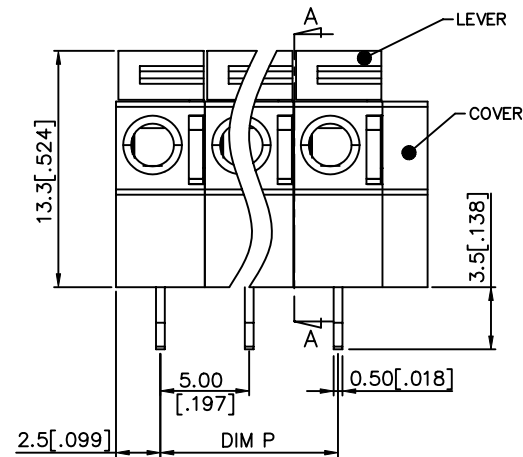
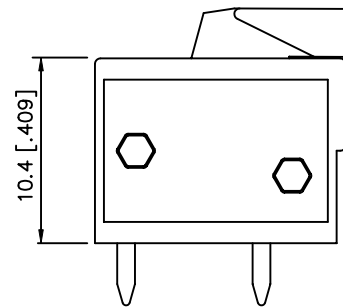
PRODUCT NUMBER	SERIES NAME	PITCH
20020303-GXXXXXXLF	09-500	5.00 mm

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

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

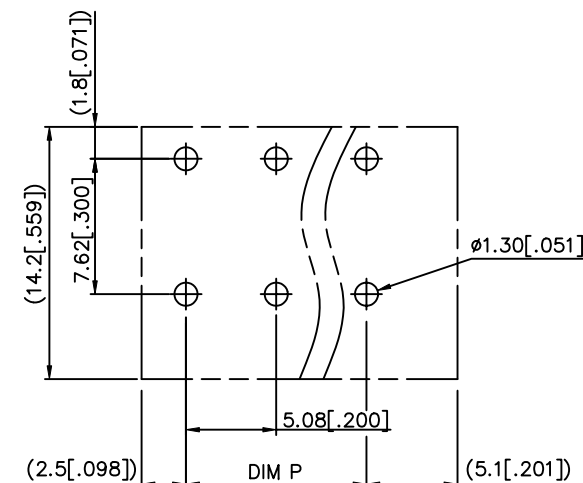
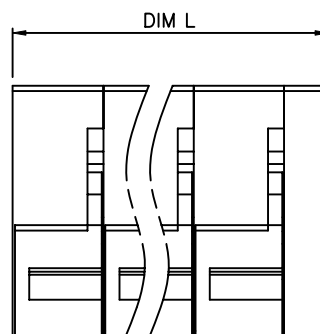
mat'l. code				surface ASME Y14.5	tolerance ASME Y14.5	projection 	product family TERMINAL BLOCK
ltr	ecn	no	dr	date	tolerances unless otherwise specified		title
c					angles total X $\pm$ 1°	$X \pm 0.5$ $X.X \pm 0.3$ $X.XX \pm 0.1$	TERMINAL BLOCK FIXED SIGNAL PLUG, RIGHT ANGLE WIRE INLET
					dr	WENDY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



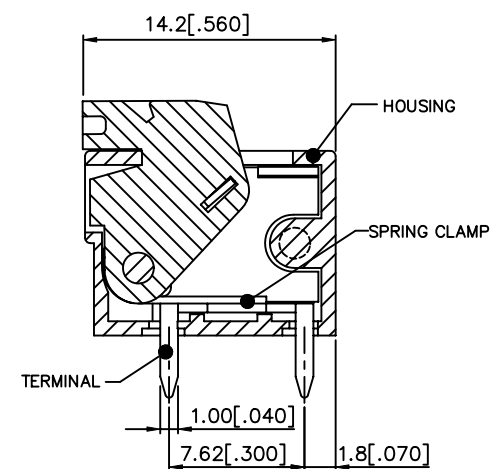
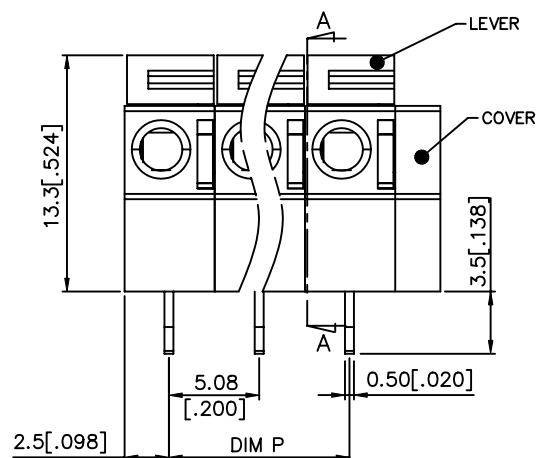
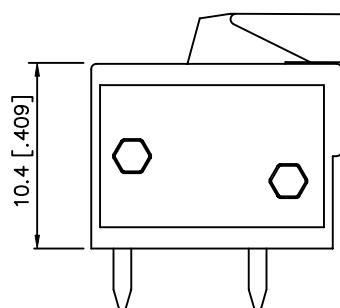
PRODUCT NUMBER	SERIES NAME	PITCH
20020303-HXXXXXXLF	09-508	5.08 mm

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	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	FCI	sheet 4 of 4
			enr	JASON HSU	110910		size
			chr	JASON HSU	110910		20020303
			appd	JASON HSU	110910		A4
sheet index	revision	sheet				type	CUSTOMER Drawing

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Amphenol:

[20020303-D021B01LF](#) [20020303-G041B01LF](#) [20020303-D041B01LF](#) [20020303-G032B01LF](#) [20020303-G042B01LF](#) [HA0201500000G](#)

FCI / Amphenol:

[20020303-G021B01LF](#) [20020303-H021B01LF](#) [20020303-H041B01LF](#) [20020303-D031B01LF](#) [20020303-H031B01LF](#)
[20020303-G031B01LF](#) [20020303-D051B01LF](#) [20020303-H191B01LF](#) [20020303-D151B01LF](#) [20020303-H221B01LF](#)
[20020303-G221B01LF](#) [20020303-D081B01LF](#) [20020303-G051B01LF](#) [20020303-H121B01LF](#) [20020303-H051B01LF](#) [20020303-G151B01LF](#) [20020303-H151B01LF](#) [20020303-G161B01LF](#) [20020303-G131B01LF](#)
[20020303-G061B01LF](#) [20020303-D121B01LF](#) [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](#) [20020303-G121B01LF](#) [20020303-D191B01LF](#) [20020303-H161B01LF](#)
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