

PRODUCT NUMBER

20020302-XXXXXXLF

20020302-□□□□B0□LF

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

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

PROPERTY TABLE

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				

NOTES:

1. MATERIALS

- 1-1 HOUSING: THERMALPLASTIC RESIN, UL 94V-0 RATED.
- 1-2 COVER: THERMALPLASTIC RESIN, UL 94V-0 RATED.
- 1-3 LEVER: THERMALPLASTIC RESIN, UL 94V-0 RATED.
- 1-4 TERMINAL: COPPER ALLOY, TIN PLATED.
- 1-5 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.

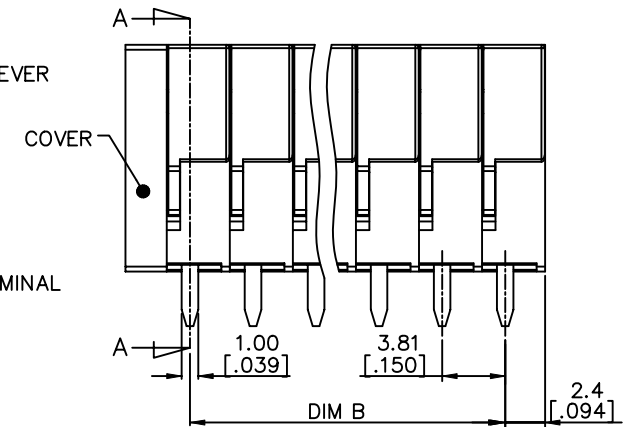
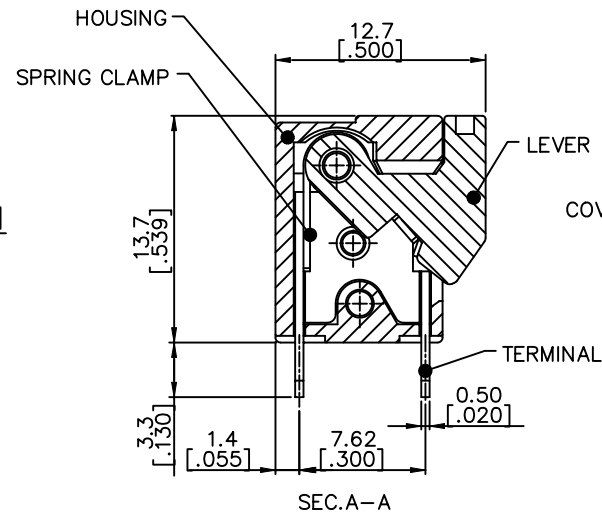
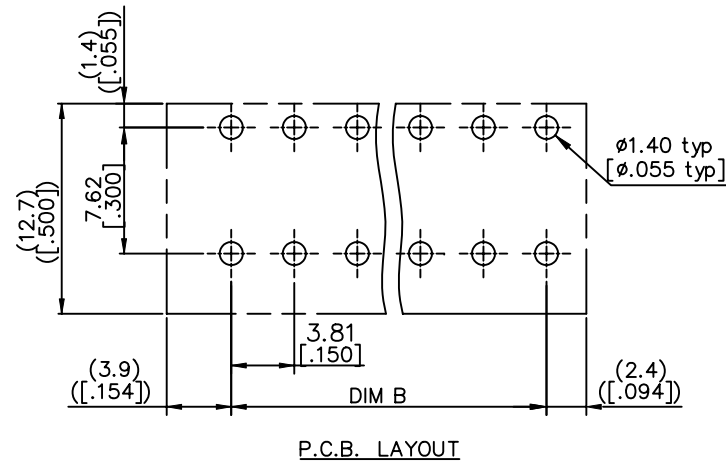
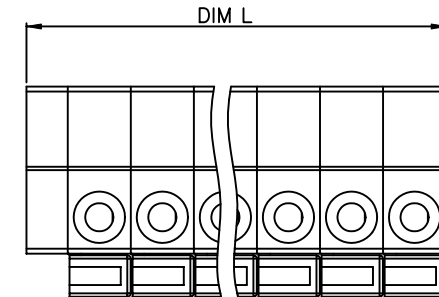
6. RECOMMENDED SOLDERING PROCESS BY WAVE SOLDER.

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 [INCH]	TERMINAL BLOCK
				hole	X.X±0.3		FIXED SIGNAL PLUG, VERTICAL WIRE INLET
				X*±1"	X.XX±0.1	scale	dwg no
				dr	WENDY CHEN	110910	sheet 1 of 4 size
				enrg	JASON HSU	110910	20020302
				chr	JASON HSU	110910	A4
				appd	JASON HSU	110910	type
sheet index	revision sheet	A	A	A	A		CUSTOMER Drawing
		1	2	3	4		

PRODUCT NUMBER	SERIES NAME	PITCH
20020302-DXXXXXXLF	09-381	3.81 mm

N = Number of poles
Dim L = $(N \times 3.81 [.150]) + 2.50 [.098]$
Dim B = $(N - 1) \times 3.81 [.150]$

POLES	Dim L	Dim B
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	$\pm 0.40 [.016]$	$\pm 0.30 [.012]$

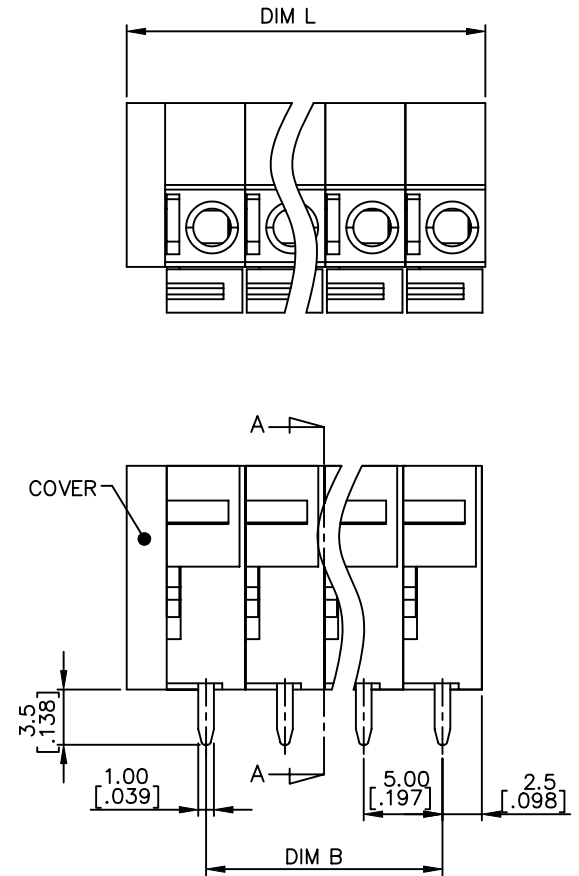
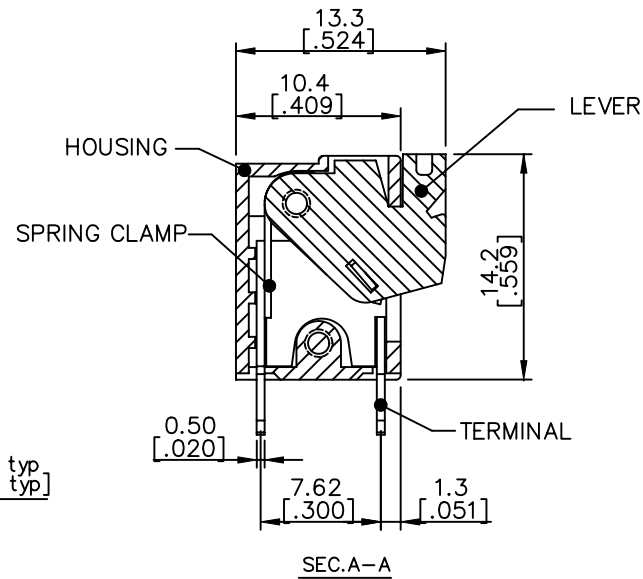
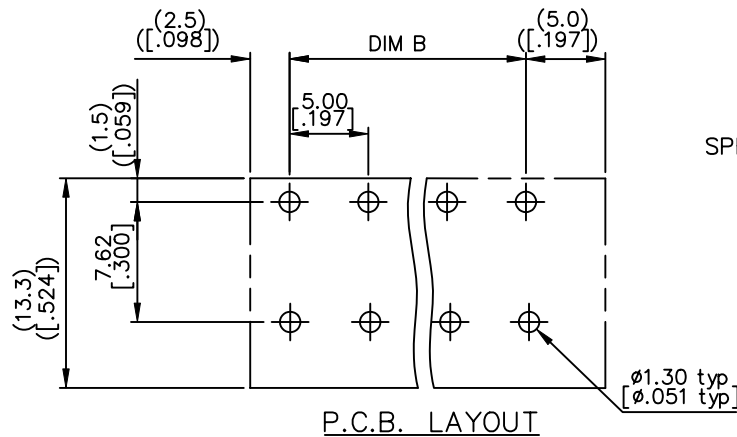


mat'l. code				surface ASME Y14.5	tolerance ASME Y14.5	projection 	product family TERMINAL BLOCK
ltr ecn no dr date				tolerances unless otherwise specified			title
A				angles X° ± 1°	linear X.X ± 0.3	MM [INCH]	TERMINAL BLOCK
					X.XX ± 0.1	scale	FIXED SIGNAL PLUG, VERTICAL WIRE INLET
				dr	WENDY CHEN	110910	dwg no
				enr	JASON HSU	110910	sheet 2 of 4 size
				chr	JASON HSU	110910	20020302
				appd	JASON HSU	110910	A4
sheet index				revision	sheet		type
							CUSTOMER Drawing

PRODUCT NUMBER	SERIES NAME	PITCH
20020302-GXXXXXXLF	09-500	5.00 mm

N = Number of poles
Dim L = (N x 5.0 [.197]) + 2.54 [.100]
Dim B = (N - 1) x 5.0 [.197]

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

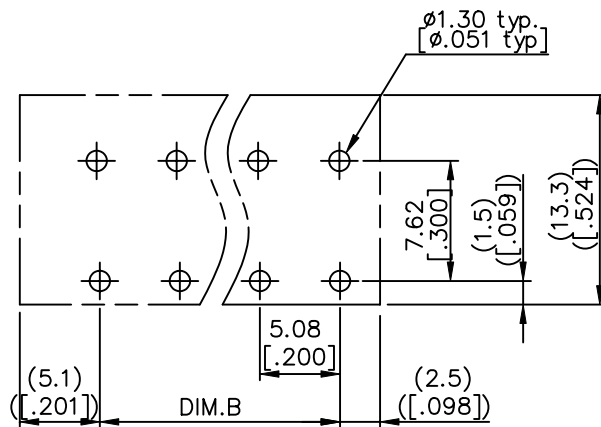
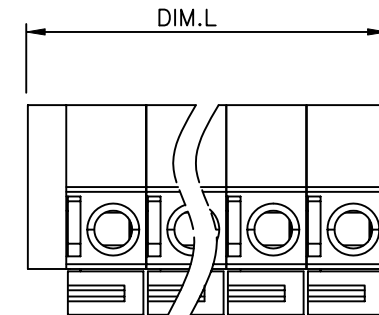


mat'l. code				surface ASME Y14.5	tolerance ASME Y14.5	projection MM [INCH]	product family TERMINAL BLOCK
ltr	ecn	no	dr	date			title
A							TERMINAL BLOCK FIXED SIGNAL PLUG, VERTICAL WIRE INLET
				angles	X.±0.5 X.X±0.3	scale	dwg no
				X*±1*	X.XX±0.1		sheet 3 of 4 size
				dr	WENDY CHEN	110910	20020302
				enr	JASON HSU	110910	A4
				chr	JASON HSU	110910	
				appd	JASON HSU	110910	
sheet index	revision sheet						type
							CUSTOMER Drawing

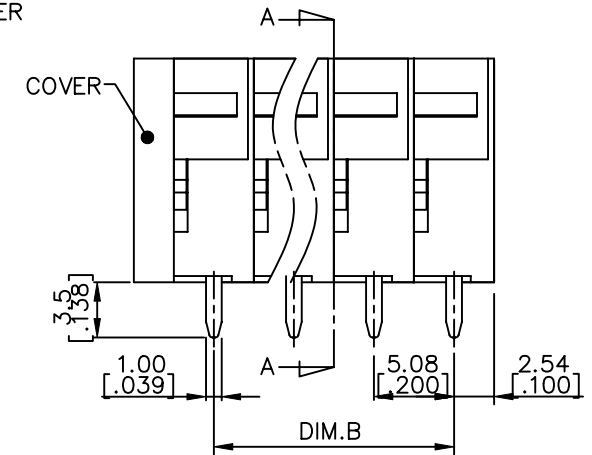
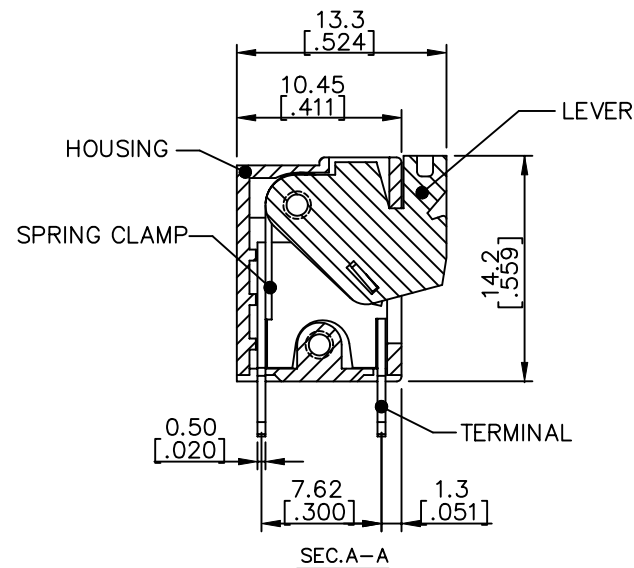
PRODUCT NUMBER	SERIES NAME	PITCH
20020302-HXXXXXXLF	09-508	5.08 mm

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

POLES	Dim L	Dim B
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



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					angles X $\pm$ 0.5	MM [INCH]	TERMINAL BLOCK
					inlet X.X $\pm$ 0.3		FIXED SIGNAL PLUG, VERTICAL WIRE INLET
					X $\pm$ 1°	scale	
			dr	WENDY CHEN	110910		sheet 4 of 4 size
			enr	JASON HSU	110910		20020302
			chr	JASON HSU	110910		A4
			appd	JASON HSU	110910		type
sheet index	revision	sheet					CUSTOMER Drawing

Mouser Electronics

Authorized Distributor

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[FCI / Amphenol:](#)

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