

PRODUCT NUMBER

20020012-XXXXXXLF

20020012—

PITCH

C: 3.50mm
D: 3.81mm
G: 5.00mm
H: 5.08mm

POLES

02: 2 POLES
03: 3 POLES
04: 4 POLES
24: 24 POLES

LF : DENOTED RoHS COMPATIBLE

1 : STANDARD PRODUCT
W/ BOX PACKING

SCREW CODE

CODE	SCREW TYPE	AVAILABILITY
A	-/+	ON REQUEST ONLY
B	-	STANDARD

ALL FLANGE SCREWS ARE ONLY AVAILABLE IN +/-
COMBINATION SCREW TYPES.

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

FCI SERIES NAME		03-350	03-381	03-500	03-508	
PITCH (mm)		3.50	3.81	5.00	5.08	
VOLTAGE RATING (VAC)		300	300	300	300	
CURRENT RATING (A)		10	10	10	10	
APPLICABLE WIRE RANGE (AWG)		1-WIRE	16~28	16~28	12~22	12~22
		2-WIRE	20	20	18	18
WIRE CROSS SECTION (mm ²)	SOLID	1-WIRE	1.5	1.5	2.5	2.5
		2-WIRE	0.5	0.5	1.0	1.0
	STRANDED	1-WIRE	1.5	1.5	2.5	2.5
		2-WIRE	0.75	0.75	1.5	1.5
OPENING CONTACT HOUSING(mm ²)		1.8x2.4	1.8x2.4	2.6x2.8	2.6x2.8	
WIRE STRIP LENGTH(mm)		6~7	6~7	6~7	6~7	
TORQUE +/– 10% (N-m/Lb-in)		0.19/1.7	0.19/1.7	0.4/3.5	0.4/3.5	
SCREW		M2x0.4	M2x0.4	M2.5x0.4	M2.5x0.4	
WITHSTANDING VOLTAGE (kV)		1.6	1.6	1.6	1.6	
OPERATING TEMP. (°C)		–40~+115	–40~+115	–40~+115	–40~+115	
POLES AVAILABLE		02~24	02~24	02~24	02~24	

SAFETY CERTIFICATE



NOTES:

1. MATERIALS

- 1-1 HOUSING: THERMALPLASTIC RESIN, UL 94V-0 RATED.
1-2 SCREW: STEEL, ZINC PLATED.
1-3 CLAMP: COPPER ALLOY, NICKEL PLATED.
1-4 TERMINAL: COPPER ALLOY, TIN PLATED.

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

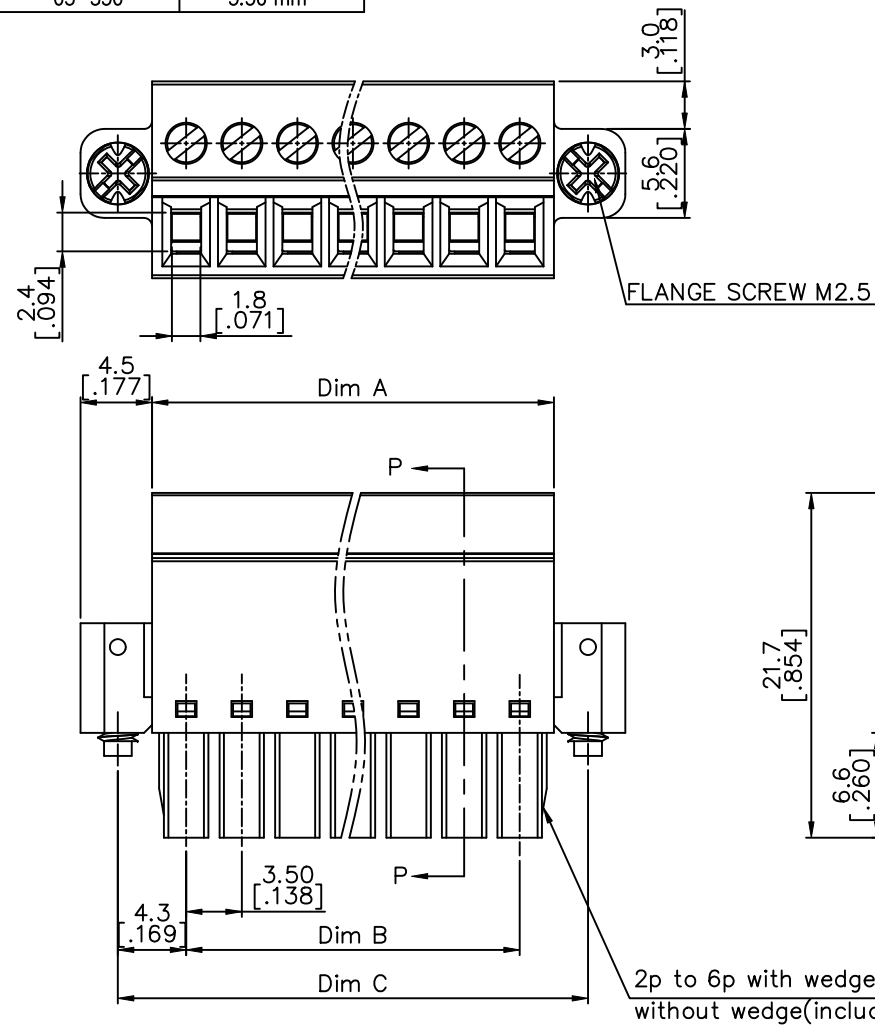
3. PRODUCT PACKING SPECIFICATION REFER TO FCI GS-14-1394.

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.

mat'l. code				surface ASME Y14.5✓		tolerance ASME Y14.5		projection 		product family TERMINAL BLOCK									
litr		ecn no		dr		date		tolerances unless otherwise specified				title							
A		T10-0082		WL		080810		angles		lineal		X.±0.5		MM [INCH]		TERMINAL BLOCK PLUGGABLE, PLUG, SIGNAL, W/FLANGE FRONT SCREW			
B		T10-0158		WL		100410						X.X±0.3							
C		T10-0180		WL		111510		X'±1"				X.XX±0.1		scale					
D		T10-0186		WL		120810		dr		WENDY CHEN		051810		dwg no				sheet 1 of 5 size	
E		T11-0006		WL		012611		engr		JASON HSU		051810		20020012				A4	
F		T-005908		WL		091311		chr		GARY HSIEH		051810		type				CUSTOMER Drawing	
								appd		JOSEPH HSIA		051810							
sheet index		revision		F		F		F		F		F							
		sheet		1		2		3		4		5							

PRODUCT NUMBER	SERIES NAME	PITCH
20020012-CXXXXXL	03-350	3.50 mm



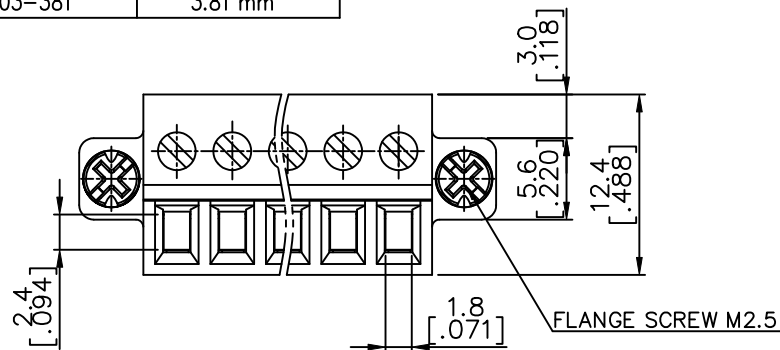
N = Number of poles

Dim A = $N \times 3.5 [0.138] + 0.80 [0.031]$ Dim B = $(N-1) \times 3.5 [0.138]$ Dim C = $(N-1) \times 3.5 [0.138] + 8.6 [0.339]$

Poles	Dim A	Dim B	Dim C
2-4p	$\pm 0.10 [0.004]$	$\pm 0.15 [0.006]$	
5-7p	$\pm 0.15 [0.006]$	$\pm 0.20 [0.008]$	
8-12p	$\pm 0.20 [0.008]$	$\pm 0.25 [0.010]$	
13-18p	$\pm 0.25 [0.010]$	$\pm 0.30 [0.012]$	
19-24p	$\pm 0.30 [0.012]$	$\pm 0.40 [0.016]$	

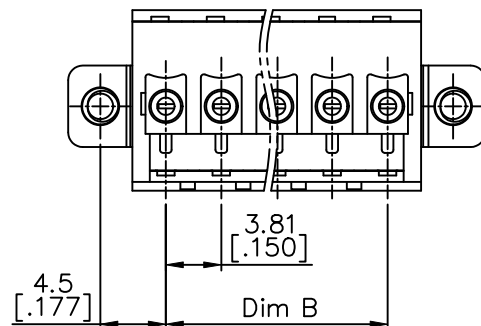
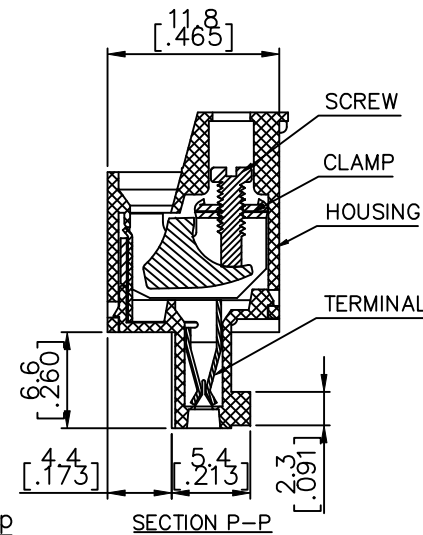
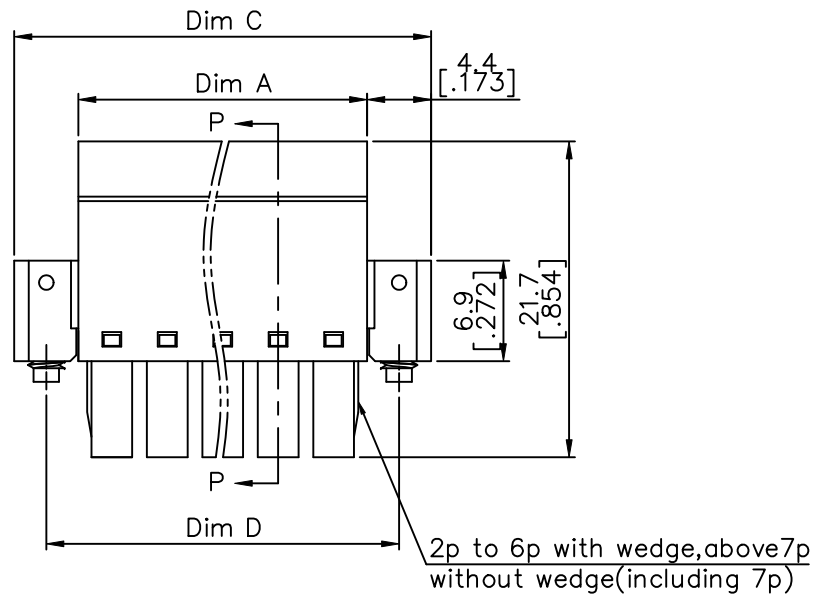
mat'l. code	surface ASME Y14.5	tolerance ASME Y14.5	projection	product family TERMINAL BLOCK
ltr	ecn no	dr	date	title
F				TERMINAL BLOCK PLUGGABLE, PLUG, SIGNAL, W/FLANGE FRONT SCREW
				sheet 2 of 5
				20020012
				A4
				type
				CUSTOMER Drawing
sheet index	revision	sheet		

PRODUCT NUMBER	SERIES NAME	PITCH
20020012-DXXXXXL	03-381	3.81 mm



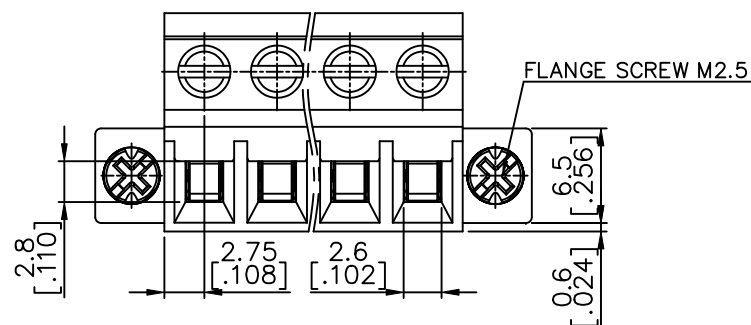
N = Number of poles
 Dim A = $N \times 3.81 [.150] + 0.80 [.031]$
 Dim B = $(N-1) \times 3.81 [.150]$
 Dim C = $N \times 3.81 [.150] + 9.6 [.378]$
 Dim D = $(N-1) \times 3.81 [.150] + 9.0 [.354]$

Poles	Tolerance
2-6p	$\pm 0.15 [.006]$
7-11p	$\pm 0.20 [.008]$
12-17p	$\pm 0.25 [.010]$
18-24p	$\pm 0.30 [.012]$



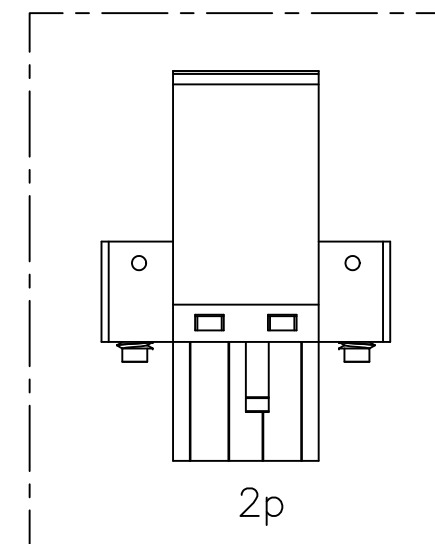
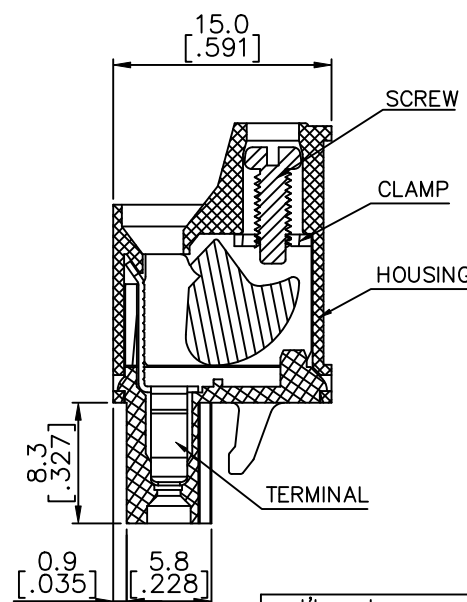
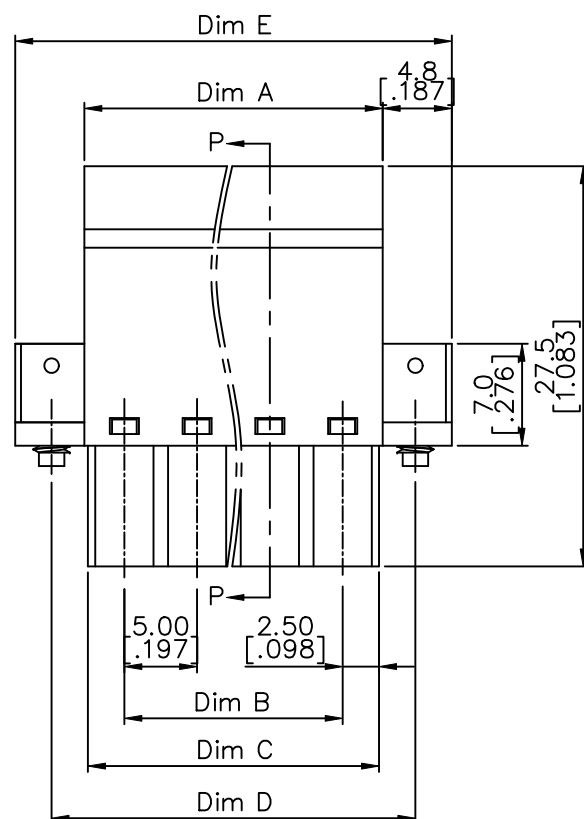
mat'l. code	surface ASME Y14.5 ✓	tolerance ASME Y14.5	projection MM [INCH]	product family TERMINAL BLOCK
ltr	ecn no	dr	date	title
F				TERMINAL BLOCK PLUGGABLE, PLUG, SIGNAL, W/FLANGE FRONT SCREW
				sheet 3 of 5 size
				20020012 A4
				type CUSTOMER Drawing
sheet index	revision sheet			

PRODUCT NUMBER	SERIES NAME	PITCH
20020012-GXXXXXL	03-500	5.00 mm



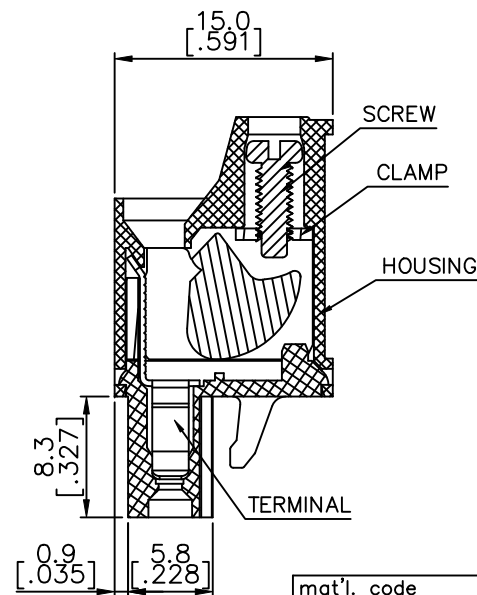
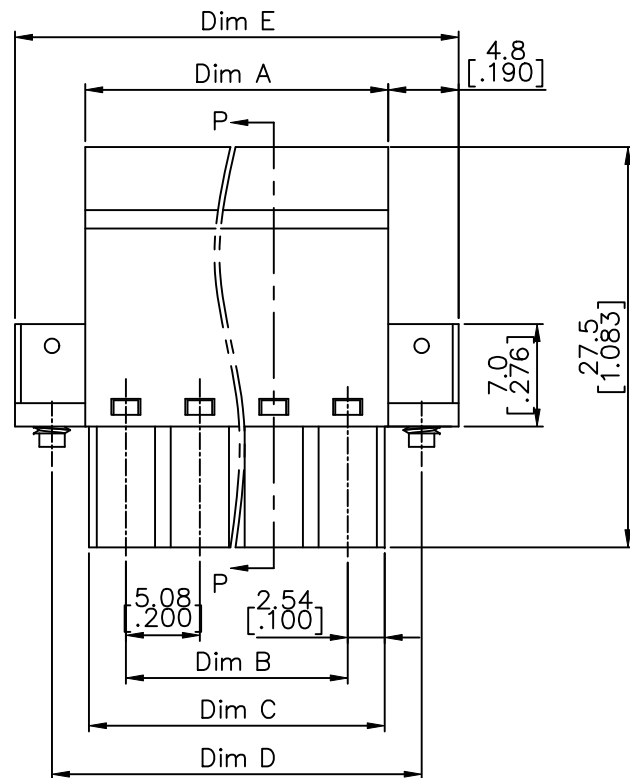
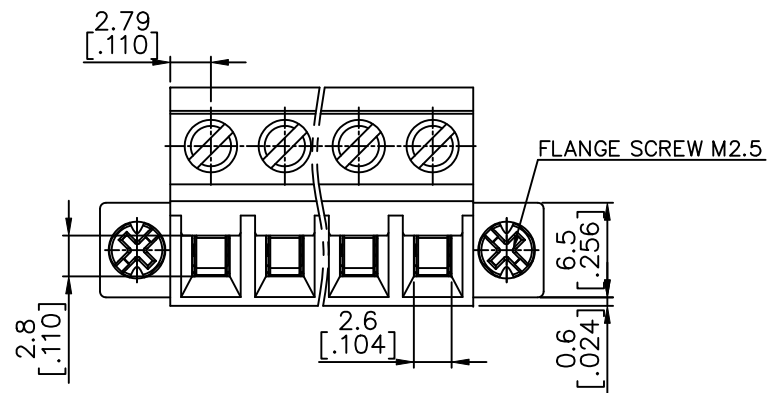
N = Number of poles
 Dim A = $N \times 5.0 [.197] + 0.5 [.020]$
 Dim B = $(N-1) \times 5.0 [.197]$
 Dim C = $N \times 5.0 [.197]$
 Dim D = $(N+1) \times 5.0 [.197]$
 Dim E = $(N+2) \times 5.0 [.197]$

Poles	Tolerance
2-7p	$\pm 0.15 [.006]$
8-12p	$\pm 0.25 [.010]$
13-18p	$\pm 0.30 [.012]$
19-24p	$\pm 0.40 [.016]$



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
F					angles	$X \pm 0.5$	TERMINAL BLOCK
					linear	$X.X \pm 0.3$	PLUGGABLE, PLUG, SIGNAL, W/FLANGE
					$X' \pm 1'$	$X.XX \pm 0.1$	FRONT SCREW
			dr	WENDY CHEN	051810	scale	sheet 4 of 5 size
			enr	JASON HSU	051810	FCI	20020012 A4
			chr	GARY HSIEH	051810		
			appd	JOSEPH HSIA	051810		
sheet index	revision	sheet				type	CUSTOMER Drawing

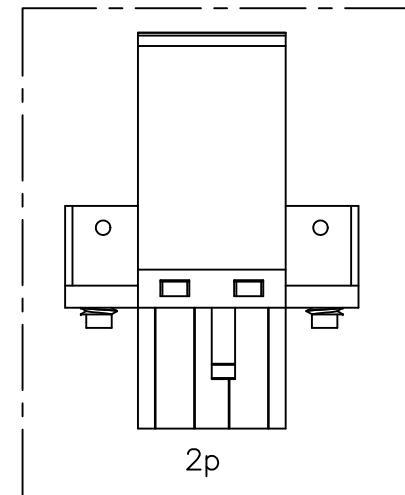
PRODUCT NUMBER	SERIES NAME	PITCH
20020012-HXXXXXXLF	03-508	5.08 mm



SECTION P-P

N = Number of poles
 Dim A = $N \times 5.08 [.200] + 0.50 [.020]$
 Dim B = $(N-1) \times 5.08 [.200]$
 Dim C = $N \times 5.08 [.200]$
 Dim D = $(N+1) \times 5.08 [.200]$
 Dim E = $(N+2) \times 5.08 [.200]$

Poles	Tolerance
2-6p	$\pm 0.15 [.006]$
7-12p	$\pm 0.25 [.010]$
13-18p	$\pm 0.30 [.012]$
19-24p	$\pm 0.40 [.016]$



mat'l. code				surface ASME Y14.5 ✓	tolerance ASME Y14.5	projection MM INCH	product family TERMINAL BLOCK
ltr	ecn no	dr	date	tolerances unless otherwise specified			title
F				angles	X.±0.5 X.X±0.3 X.XX±0.1	scale	TERMINAL BLOCK PLUGGABLE, PLUG, SIGNAL, W/FLANGE FRONT SCREW
		dr	WENDY CHEN	051810			sheet 5 of 5 size
		enr	JASON HSU	051810			
		chr	GARY HSIEH	051810			
		appd	JOSEPH HSIA	051810			
sheet index	revision sheet						type CUSTOMER Drawing