

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.

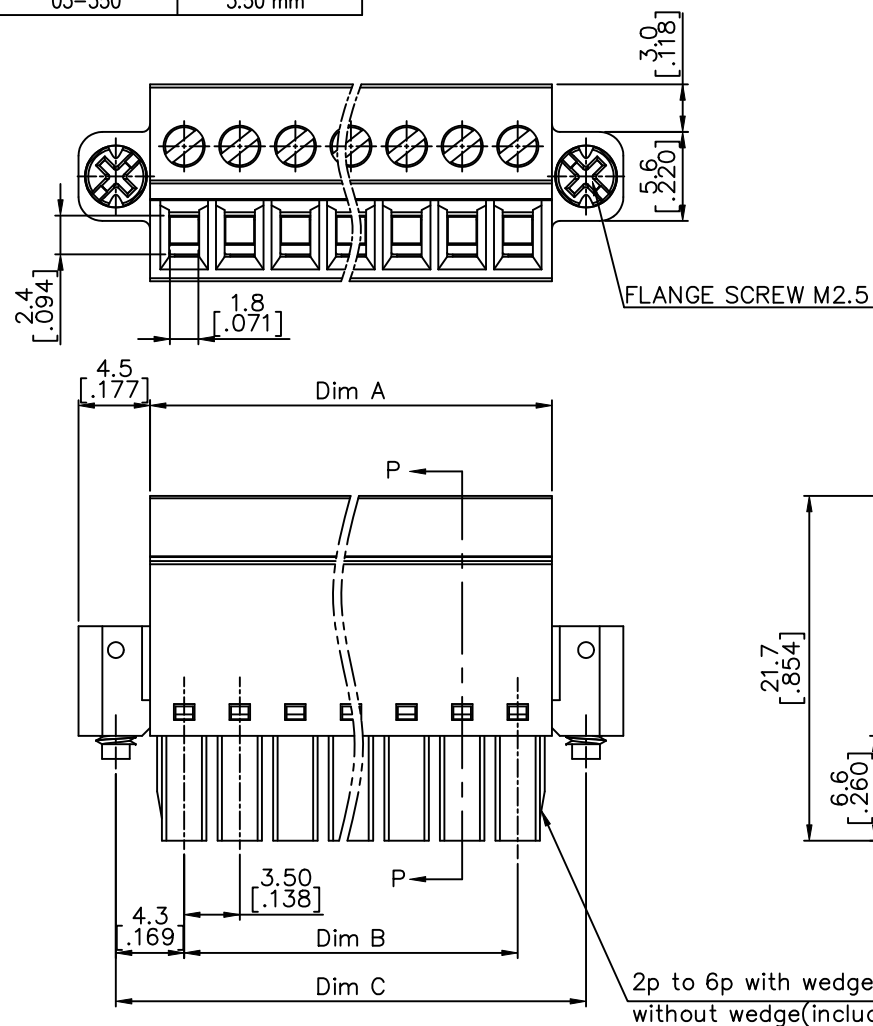
3. PRODUCT PACKING SPECIFICATION REFER TO FCI GS-14-1394.

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		X.±0.5						TERMINAL BLOCK PLUGGABLE, PLUG, SIGNAL, W/FLANGE FRONT SCREW									
B		T10-0158		WL		100410		parallel		X.X±0.3															
C		T10-0180		WL		111510		X'±1"		X.XX±0.1				scale		dwg no sheet 1 of 5 20020012 A4									
D		T10-0186		WL		120810		dr		WENDY CHEN 051810				FCI											
E		T11-0006		WL		012611		enrg		JASON HSU 051810				CUSTOMER Drawing											
F		T-005908		WL		091311		chr		GARY HSIEH 051810															
								appd		JOSEPH HSIA 051810															
sheet index		revision sheet		F		F		F		F		F													
				1		2		3		4		5													

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



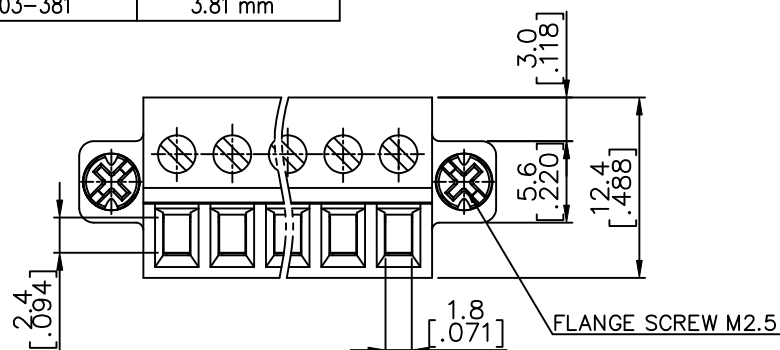
N = Number of poles

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	$\pm 0.30 [0.012]$	$\pm 0.40 [0.016]$	

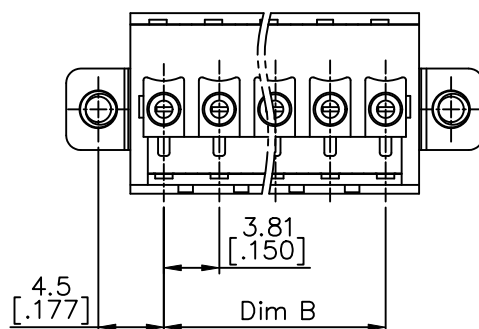
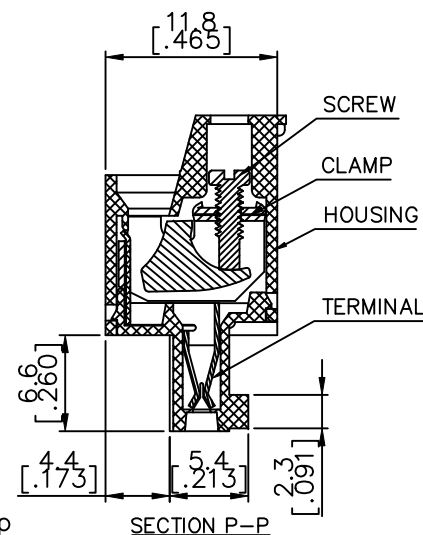
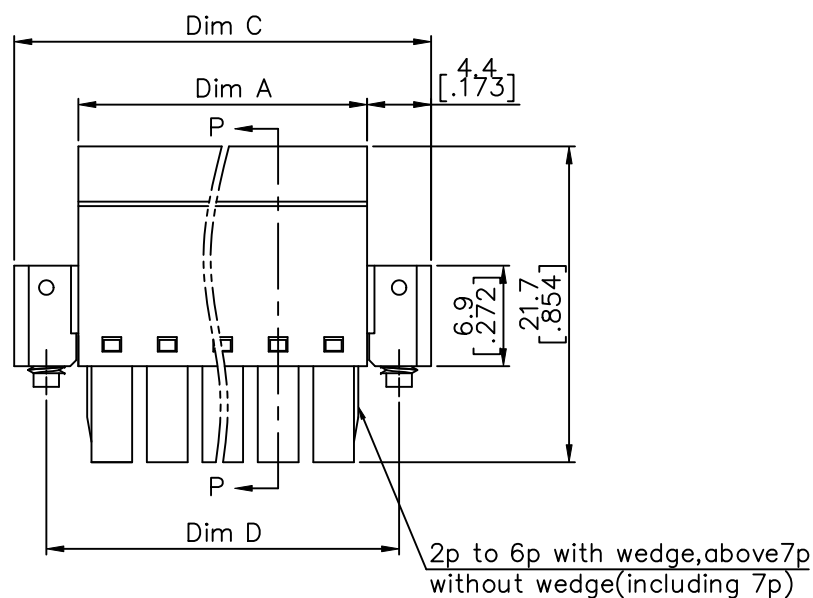
mat'l. code	surface ASME Y14.5	tolerance ASME Y14.5	projection	product family TERMINAL BLOCK
ltr	ecn no	dr	date	title
F				TERMINAL BLOCK PLUGGABLE, PLUG, SIGNAL, W/FLANGE FRONT SCREW
				sheet 2 of 5 size
				20020012 A4
				type CUSTOMER Drawing
sheet index	revision sheet			

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



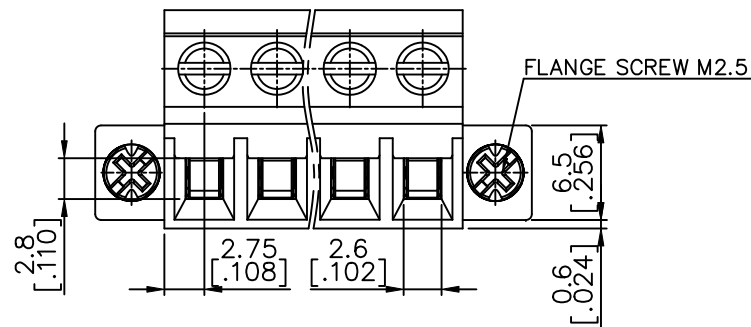
N = Number of poles
 Dim A = $N \times 3.81 [.150] + 0.80 [.031]$
 Dim B = $(N-1) \times 3.81 [.150]$
 Dim C = $N \times 3.81 [.150] + 9.6 [.378]$
 Dim D = $(N-1) \times 3.81 [.150] + 9.0 [.354]$

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



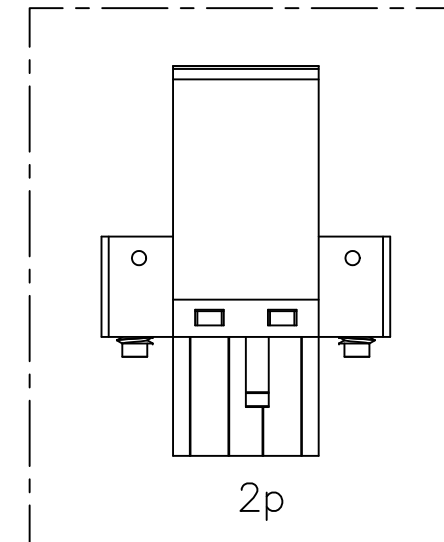
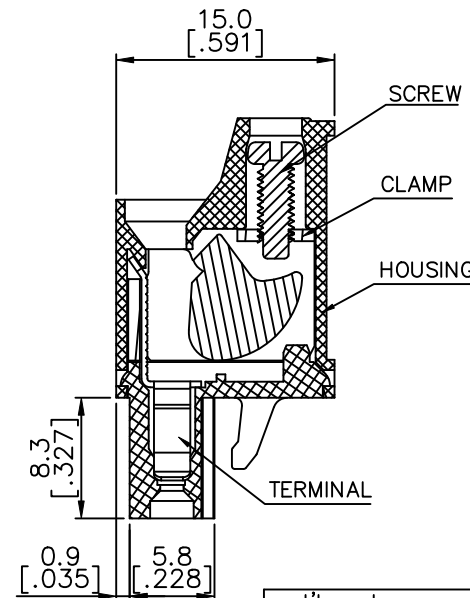
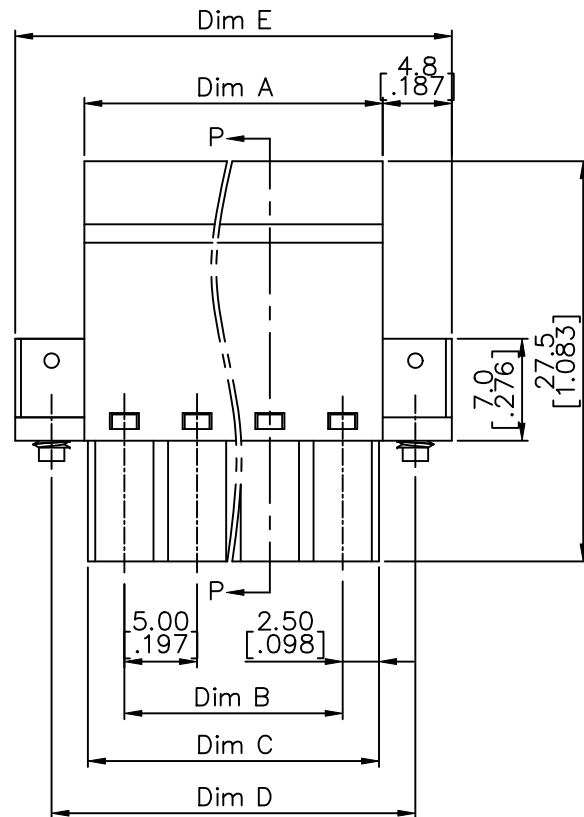
mat'l. code	surface ASME Y14.5 ✓	tolerance ASME Y14.5	projection MM [INCH]	product family TERMINAL BLOCK
ltr	ecn no	dr	date	title
F				TERMINAL BLOCK PLUGGABLE, PLUG, SIGNAL, W/FLANGE FRONT SCREW
				sheet 3 of 5 size
				20020012 A4
				type CUSTOMER Drawing
sheet index	revision sheet			

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



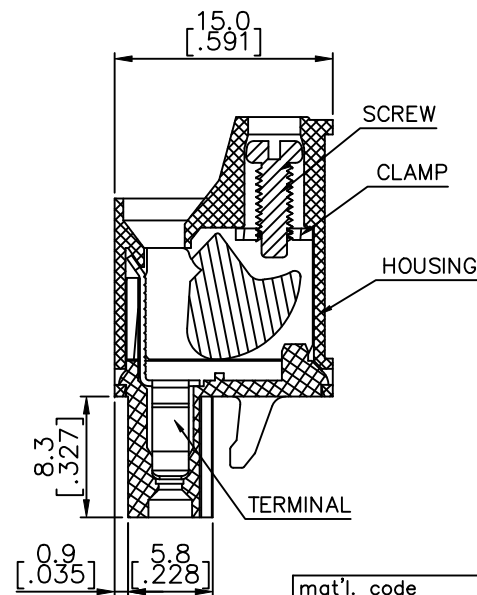
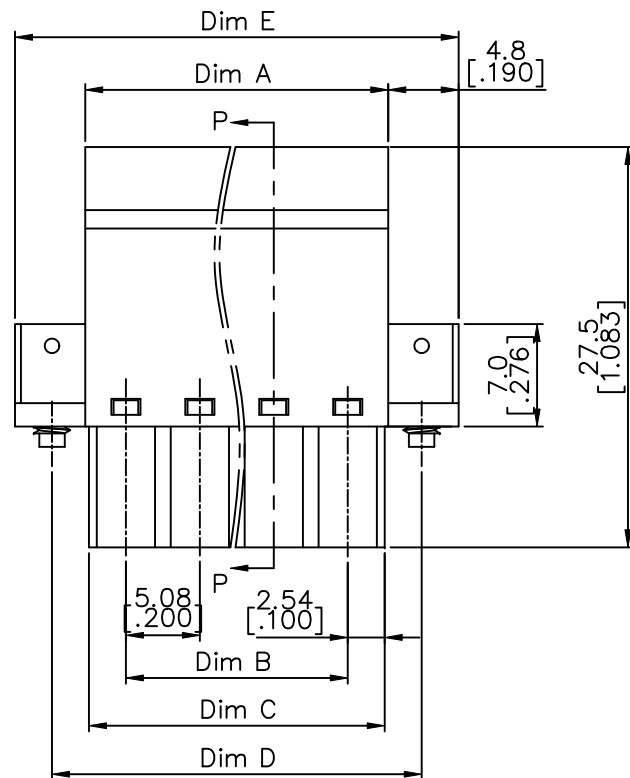
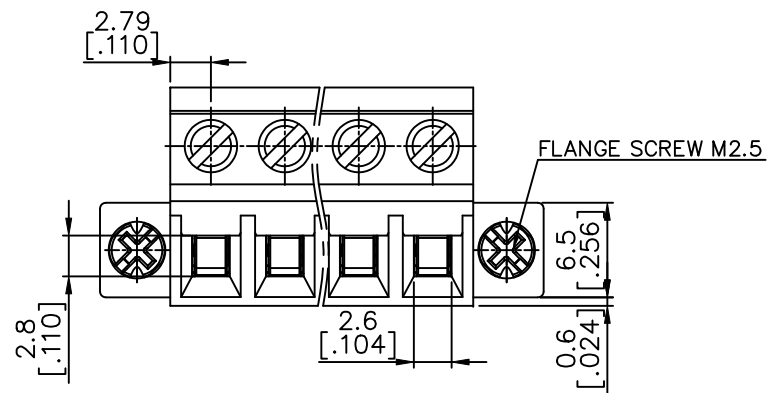
N = Number of poles
 Dim A = $N \times 5.0 [.197] + 0.5 [.020]$
 Dim B = $(N-1) \times 5.0 [.197]$
 Dim C = $N \times 5.0 [.197]$
 Dim D = $(N+1) \times 5.0 [.197]$
 Dim E = $(N+2) \times 5.0 [.197]$

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 MM INCH	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	scale	FRONT SCREW
		dr	WENDY CHEN	051810		FCI	sheet 4 of 5
		enr	JASON HSU	051810			size
		chr	GARY HSIEH	051810			A4
		appd	JOSEPH HSIA	051810			type
sheet index	revision sheet						CUSTOMER Drawing

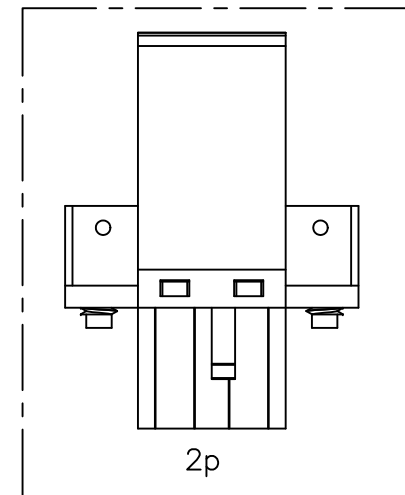
PRODUCT NUMBER	SERIES NAME	PITCH
20020012-HXXXXXXLF	03-508	5.08 mm



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		TERMINAL BLOCK
				linear	X.X±0.3		PLUGGABLE, PLUG, SIGNAL, W/FLANGE
				X*±1*	X.XX±0.1	scale	FRONT SCREW
		dr	WENDY CHEN	051810			sheet 5 of 5 size
		enr	JASON HSU	051810			20020012
		chr	GARY HSIEH	051810			A4
		appd	JOSEPH HSIA	051810			type
sheet index	revision sheet						CUSTOMER Drawing