



Copyright FCI



FCIconnect.com



1 | 2

3 |

4

PRODUCT NUMBER

20020107-XXXXXXLF

20020107-□□□□△○□LF

PITCH

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

POLES

02: 2 POLES
03: 3 POLES
04: 4 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

FCI SERIES NAME	06-350	06-381	06-500	06-508
PITCH (mm)	3.50	3.81	5.00	5.08
VOLTAGE RATING (VAC)	300	300	300	300
CURRENT RATING (A)	cULus	10	10	12
	VDE	10.5	10.5	NA
WITHSTANDING VOLTAGE (kV)	cULus	1.6	1.6	1.6
	VDE	2.5	2.5	NA
OPERATING TEMP. (°C)	-40~+115	-40~+115	-40~+115	-40~+115
SOLDERING TEMP. (°C)	250±10 (5 sec.)	250±10 (5 sec.)	250±10 (5 sec.)	250±10 (5 sec.)
POLES AVAILABLE	02~24	02~24	02~24	02~24
SAFETY CERTIFICATE				

NOTES:

MATERIALS

- 1-1 HOUSING: THERMALPLASTIC RESIN, UL 94V-0 RATED.
- 1-2 TERMINAL: COPPER ALLOY, TIN PLATED.
2. PRODUCTION SPECIFICATION REFER TO FCI GS-12-625.
3. BOXED PACKAGING.
- DETAILED 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	tolerance	projection	product family		
				ASME Y14.5	ASME Y14.5		TERMINAL BLOCK		
ltr	ecn no	dr	date	tolerances unless otherwise specified			title		
A	0609-0203	BF	062509	angles	X.±0.5	MM	TERMINAL BLOCK PLUGGABLE SOCKET, STRAIGHT		
B	T09-1148	BF	111709		X.X±0.3	INCH			
C	T09-1152	BF	112609	X'±1"	X.XX±0.1	scale			
D	T10-0042	WL	030310	dr	BEER FU	062509	FCI		
E	T10-0159	WL	100410	enrg	BEER FU	062509			
F	T10-0187	WL	121410	chr	GARY HSIEH	062509			
G	T11-0013	WL	040811	appd	JOSEPH HSIA	062509	type CUSTOMER Drawing		
sheet	revision	G	G	G	G	G			
index	sheet	1	2	3	4	5			

form: A4mmXLC

1 |

2 |

PDM: Rev:G 3 | STATUS Released Printed: Apr 21, 2011 4

Copyright FCI



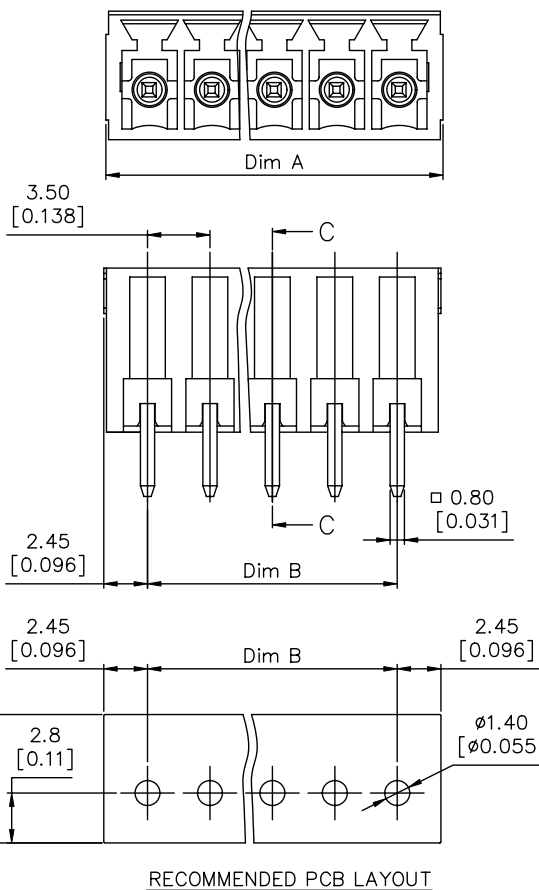
FCIconnect.com

1 2

3

4

PRODUCT NUMBER	SERIES NAME	PITCH
20020107-CXXXXXL	06-350	3.50 mm



N = Number of poles
Dim A = Dim B + 4.9 [0.193]
Dim B = (N-1) x 3.5 [0.138]

POLES	Dim A	Dim B
2-6p	± 0.15 [0.006]	
7-12p	± 0.20 [0.008]	
13-18p	± 0.25 [0.010]	
19-24p	± 0.30 [0.012]	

mat'l. code	surface ASME Y14.5	tolerance ASME Y14.5	projection MM [INCH] scale	product family TERMINAL BLOCK
ltr	ecn no	dr	date	title TERMINAL BLOCK PLUGGABLE SOCKET, STRAIGHT
g				dwg no 20020107
				sheet 2 of 5
				size A4
				type CUSTOMER Drawing
dr	BEER FU	062509		
enr	BEER FU	062509		
chr	GARY HSIEH	062509		
appd	JOSEPH HSIA	062509		
sheet index	revision sheet			

form: A4mmXLc

1

2

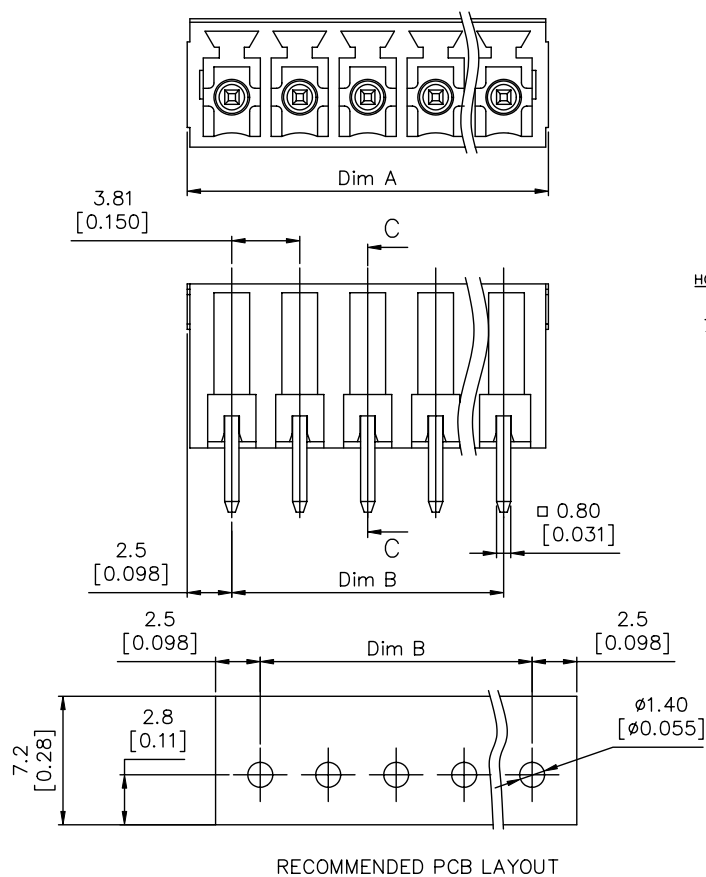
PDM: Rev:G 3 STATUS Released Printed: Apr 21, 2011 4

Copyright FCI



FCIconnect.com

PRODUCT NUMBER	SERIES NAME	PITCH
20020107-DXXXXXL	06-381	3.81 mm



N = Number of poles
Dim A = Dim B + 5.0 [0.197]
Dim B = (N - 1) x 3.81 [0.150]

POLES	Dim A	Dim B
2-6p	±0.15 [0.006]	
7-12p	±0.20 [0.008]	
13-16p	±0.25 [0.010]	
17-24p	±0.30 [0.012]	

mat'l. code		surface ASME Y14.5	tolerance ASME Y14.5	projection MM [INCH] scale	product family TERMINAL BLOCK
ltr	ecr no	dr	date	tolerances unless otherwise specified	title
g				angles X.±0.5 X.X±0.3 X.XX±0.1	TERMINAL BLOCK PLUGGABLE SOCKET, STRAIGHT
		dr	BEER FU	062509	dwg no
		enr	BEER FU	062509	sheet 3 of 5
		chr	GARY HSIEH	062509	size
		appd	JOSEPH HSIA	062509	20020107
sheet	revision				A4
index	sheet				type
					CUSTOMER Drawing

form: A4mmXLc

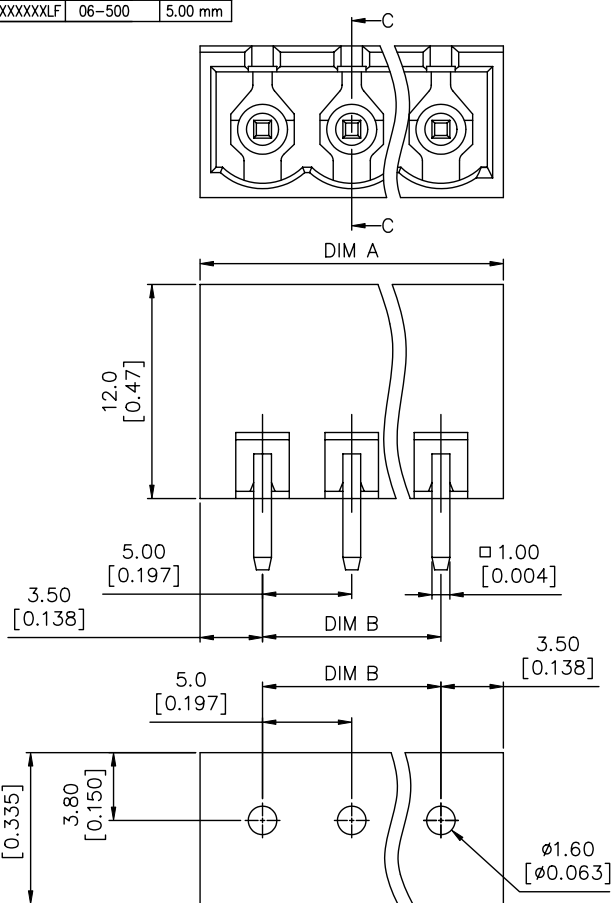
PDM: Rev:G 3 STATUS Released Printed: Apr 21, 2011 4

PRODUCT NUMBER	SERIES NAME	PITCH
20020107-GXXXXXL	06-500	5.00 mm

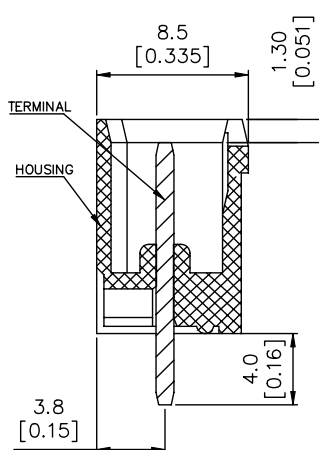
1 | 2

3 |

4



RECOMMENDED PCB LAYOUT



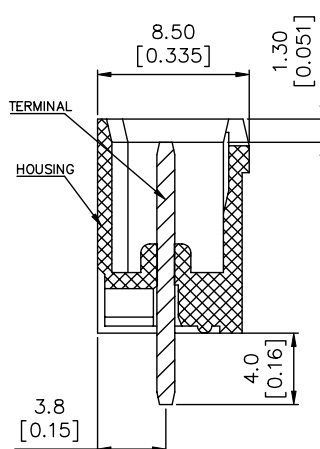
SECTION C-C

N = Number of poles
 Dim A = $N \times 5.0 [0.197] + 2.0 [0.193]$
 Dim B = $(N-1) \times 5.0 [0.197]$

POLES	Dim A	Dim B
2-6p	$\pm 0.15 [0.006]$	
7-12p	$\pm 0.25 [0.010]$	
13-16p	$\pm 0.35 [0.014]$	
17-24p	$\pm 0.40 [0.016]$	

mat'l. code	surface ASME Y14.5	tolerance ASME Y14.5	projection MM [INCH] scale	product family TERMINAL BLOCK
ltr ecn no dr date	tolerances unless otherwise specified	angles X.±0.5 X.X±0.3 X'±1"	title TERMINAL BLOCK PLUGGABLE SOCKET, STRAIGHT	
g		dr BEER FU 062509	dwg no 20020107	sheet 4 of 5 size A4
		enr BEER FU 062509		
		chr GARY HSIEH 062509		
		appd JOSEPH HSIA 062509		
sheet index	revision sheet		type CUSTOMER Drawing	

RECOMMENDED PCB LAYOUT



SECTION C-C

POLES	Dim A	Dim E
2-6p	$\pm 0.15[0.006]$	
7-12p	$\pm 0.25[0.010]$	
13-18p	$\pm 0.35[0.014]$	
19-24p	$\pm 0.40[0.016]$	

[illegible]