

PRODUCT NUMBER
20020131-XXXXXXLF

20020131—

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

PROPERTY TABLE

FCI SERIES NAME		30-350	30-381	30-500	30-508
PITCH (mm)		3.50	3.81	5.00	5.08
VOLTAGE RATING (VAC)		300	300	300	300
CURRENT RATING (A)	cULus	8	8	15	15
	VDE	10	10	NA	NA
WITHSTANDING VOLTAGE (kV)	cULus	1.6	1.6	1.6	1.6
	VDE	2.5	2.5	NA	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					

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:

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.

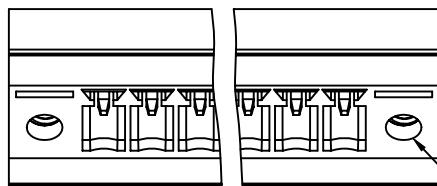
4. FCI, SAFETY CERTIFICATE LOGO AND SERIES NAME TO BE SHOWN ON PRODUCT SURFACE.

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.

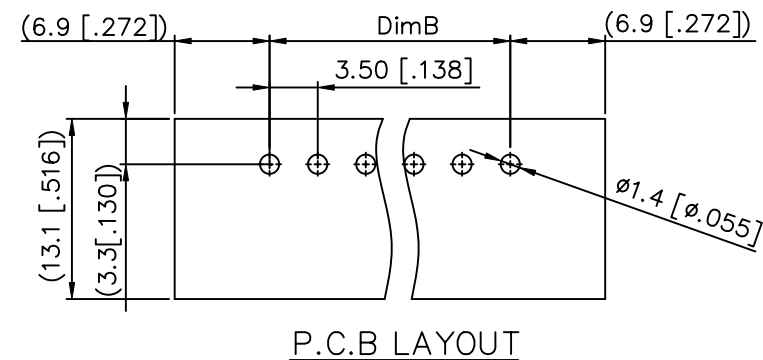
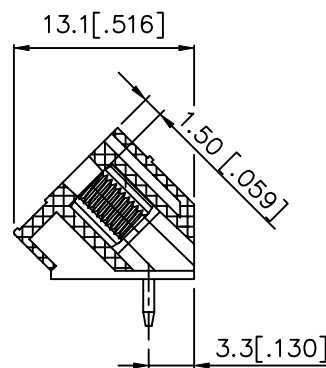
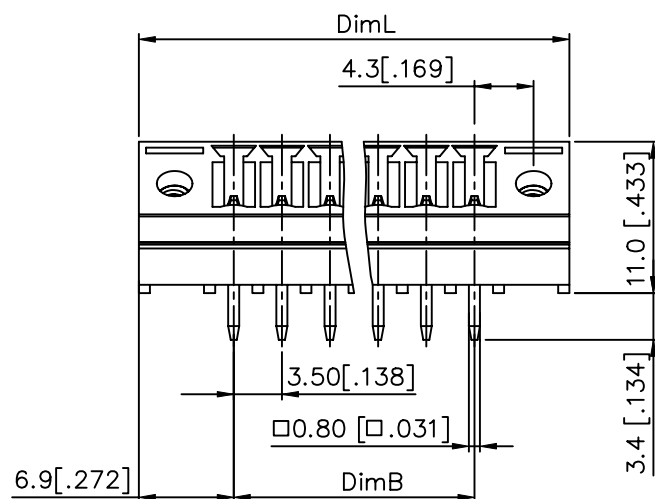
6. RECOMMENDED SOLDERING PROCESS BY WAVE SOLDER.

mat'l. code				surface ASME Y14.5	tolerance ASME Y14.5	projection	product family
tolerances unless otherwise specified							TERMINAL BLOCK
ltr	ecn no	dr	date	angles	tolerance	MM [INCH]	title
A	T10-0099	WL	070110	X±0.5 X.X±0.3 X.XX±0.1			TERMINAL BLOCK
B	T10-0161	WL	101210				PLUGGABLE SIGNAL, SOCKET W/FLANGE
C	T10-0187	WL	121410				45° ANGLE
D	T11-0015	WL	030211	dr	WENDY CHEN	062310	dwg no
E	T11-0013	WL	040811	enr	JASON HSU	062310	sheet 1 of 5
				chr	GARY HSIEH	062310	size
				appd	JOSEPH HSIA	062310	A4
sheet index	revision sheet	E	E	E	E	E	type
		1	2	3	4	5	CUSTOMER Drawing

PRODUCT NUMBER	SERIES NAME	PITCH
20020131-CXXXXXXLF	30-350	3.50 mm



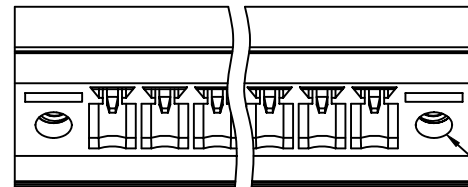
FLANGE NUT M2.5



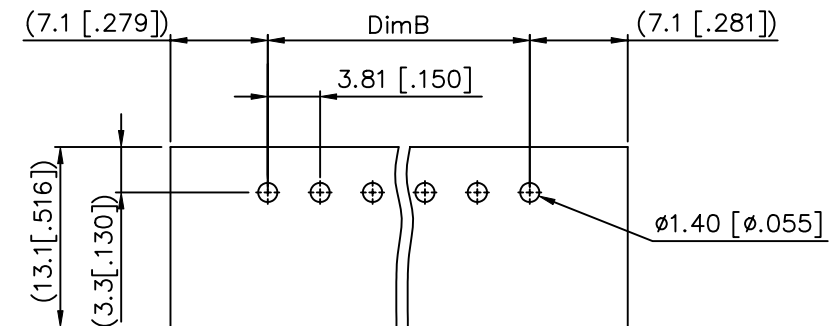
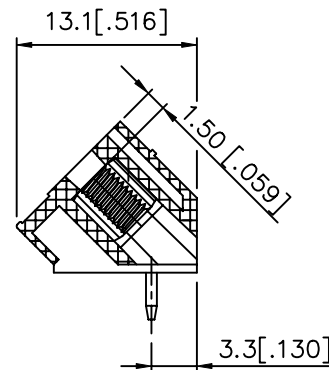
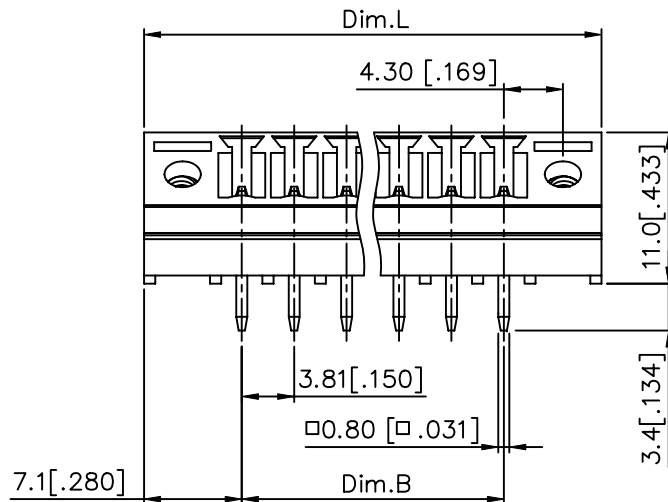
POLE		2	3	4	5	6	7	8
DIM.L		17.3[.681]	20.8[.818]	24.3[.956]	27.8[1.094]	31.3[1.2322]	34.8[1.370]	38.3[1.507]
DIM.B		3.50[.138]	7.00[.276]	10.50[.413]	14.00[.551]	17.50[.689]	21.00[.827]	24.50[.965]
Tol.		±0.10[.004]				±0.15[.006]		
POLE	9	10	11	12	13	14	15	16
DIM.L	41.8[1.645]	45.3[1.783]	48.8[1.921]	52.3[2.059]	55.8[2.196]	59.3[2.334]	62.8[2.472]	66.3[2.610]
DIM.B	28.00[1.102]	31.50[1.240]	35.00[1.378]	38.50[1.516]	42.00[1.654]	45.5[1.791]	49.0[1.929]	52.50[2.067]
Tol.	±0.20[.008]				±0.25[.010]			
POLE	17	18	19	20	21	22	23	24
DIM.L	69.8[2.748]	73.3[2.885]	76.8[3.023]	80.3[3.161]	83.8[3.299]	87.3[3.437]	90.8[3.574]	94.3[3.712]
DIM.B	56.00[2.205]	59.50[2.342]	63.00[2.480]	66.50[2.618]	70.00[2.756]	73.50[2.894]	77.00[3.031]	80.50[3.169]
Tol.	±0.25[.010]		±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
E				angles	X.±0.5	MM	TERMINAL BLOCK
				tolerances	X.X±0.3	[INCH]	PLUGGABLE SIGNAL, SOCKET W/FLANGE
				X*±1"	X.XX±0.1	scale	45° ANGLE
				dr	WENDY CHEN 062310	FCI	sheet 2 of 5
				engr	JASON HSU 062310		size
				chr	GARY HSIEH 062310		20020131
				appd	JOSEPH HSIA 062310		A4
sheet index	revision	sheet					type
							CUSTOMER Drawing

PRODUCT NUMBER	SERIES NAME	PITCH
20020131-DXXXXXXLF	30-381	3.81 mm



FLANGE NUT M2.5

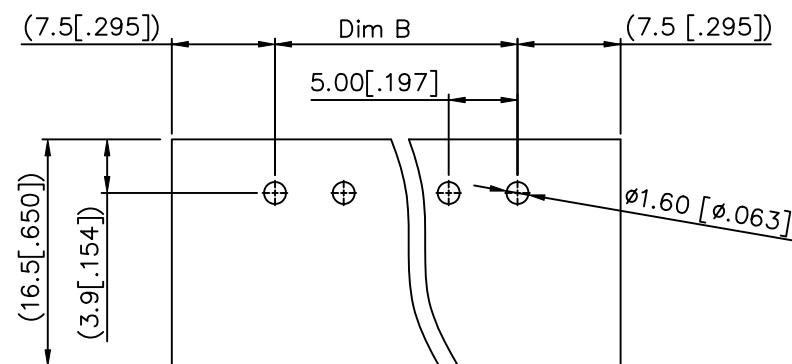
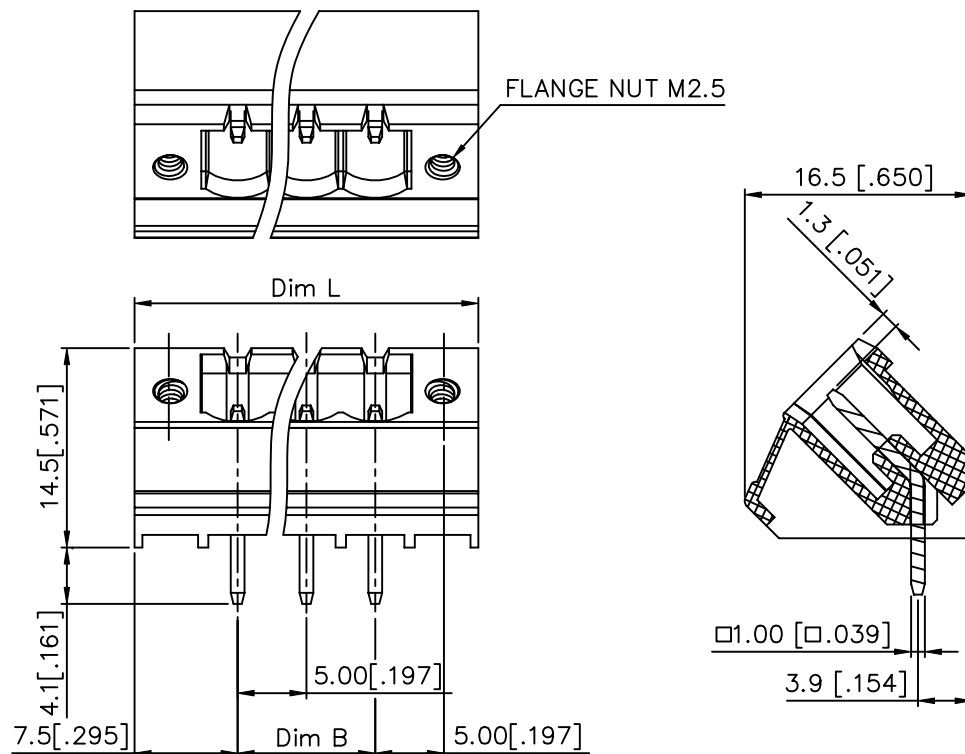


P.C.B LAYOUT

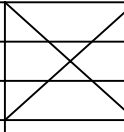
POLE		2	3	4	5	6	7	8
Dim.L		18.01[.710]	21.82[.860]	25.63[1.010]	29.44[1.160]	33.25[1.310]	37.06[1.460]	40.87[1.610]
Dim.B		3.81[.150]	7.62[.300]	11.43[.450]	15.24[.600]	19.05[.750]	22.86[.900]	26.67[1.050]
Tol.		±0.10[.004]		±0.15[.006]				±0.20[.008]
POLE	9	10	11	12	13	14	15	16
Dim.L	44.68[1.760]	48.49[1.910]	52.3[2.060]	56.11[2.210]	59.92[2.360]	63.73[2.510]	67.54[2.660]	71.35[2.810]
Dim.B	30.48[1.200]	34.29[1.350]	38.10[1.500]	41.91[1.650]	45.72[1.800]	49.53[1.950]	53.34[2.100]	57.15[2.250]
Tol.	±0.20[.008]				±0.25[.010]			
POLE	17	18	19	20	21	22	23	24
Dim.L	75.16[2.960]	78.97[3.110]	82.78[3.260]	86.59[3.410]	90.4[3.560]	94.21[3.710]	98.02[3.860]	101.83[4.010]
Dim.B	60.96[2.400]	64.77[2.550]	68.58[2.700]	72.39[2.850]	76.20[3.000]	80.01[3.150]	83.82[3.300]	87.63[3.450]
Tol.	±0.25[.010]	±0.30[.012]						

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	
E				angles	$X \pm 0.5$	 MM [INCH]	TERMINAL BLOCK PLUGGABLE SIGNAL, SOCKET W/FLANGE 45° ANGLE	
				$X \pm 1^\circ$	$X.XX \pm 0.1$		sheet 3 of 5	
				dr	WENDY CHEN	062310	FCI	20020131
				enr	JASON HSU	062310		
				chr	GARY HSIEH	062310		
				appd	JOSEPH HSIA	062310		
sheet index	revision	sheet					type	CUSTOMER Drawing

PRODUCT NUMBER	SERIES NAME	PITCH
20020131-GXXXXXXLF	30-500	5.00 mm



PCB LAYOUT

POLE		2	3	4	5	6	7	8
DIM.L		20.0[.787]	25.0[.984]	30.0[1.181]	35.0[1.377]	40.0[1.574]	45.0[1.771]	50.0[1.968]
DIM.B		5.0[.196]	10.0[.394]	15.0[.590]	20.0[.787]	25.0[.984]	30.0[1.181]	35.0[1.377]
Tol.	±0.15[.006]							±0.25[.010]
POLE	9	10	11	12	13	14	15	16
DIM.L	55.0[2.165]	60.0[2.362]	65.0[2.559]	70.0[2.755]	75.0[2.952]	80.0[3.149]	85.0[3.346]	90.0[3.543]
DIM.B	40.0[1.574]	45.0[1.771]	50.0[1.968]	55.0[2.165]	60.0[2.362]	65.0[2.559]	70.0[2.755]	75.0[2.952]
Tol.	±0.25[.010]				±0.30[.012]			
POLE	17	18	19	20	21	22	23	24
DIM.L	95.0[3.74]	100.0[3.937]	105.0[4.133]	110.0[4.330]	115.0[4.527]	120.0[4.724]	125.0[4.921]	130.0[5.118]
DIM.B	80.0[3.149]	85.0[3.346]	90.0[3.543]	95.0[3.740]	100.0[3.937]	105.0[4.133]	110.0[4.330]	115.0[4.527]
Tol.	±0.30[.012]		±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
E				angles	X.±0.5		TERMINAL BLOCK
				to	X.X±0.3		PLUGGABLE SIGNAL, SOCKET W/FLANGE
				X°±1°	X.XX±0.1	scale	45° ANGLE
				dr	WENDY CHEN 062310	FCI	sheet 4 of 5 size
				engr	JASON HSU 062310		dwg no
				chr	GARY HSIEH 062310		20020131
				appd	JOSEPH HSIA 062310		A4
sheet index	revision	sheet					type
							CUSTOMER Drawing

Technical drawing of a mechanical part showing dimensions in inches and millimeters. The drawing includes a top view and a side view. The top view shows a rectangular part with a central slot. The dimensions are as follows:

- Overall width: (7.6 [.300])
- Distance from left edge to center of slot: 5.08 [.200]
- Distance from right edge to center of slot: 5.08 [.200]
- Overall height: (16.5 [.650])
- Distance from top edge to center of slot: (3.9 [.154])
- Slot width: $\phi 1.60 \text{ [\phi.063]}$

[illegible]