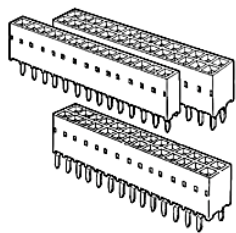


**75915-323LF - DUBOX™ : 23  
Position PCB Mounted  
Receptacle Through Mount,  
Top Entry, Single Row**



[www.fci.com](http://www.fci.com)

## Specifications

### General

<b>Hold Down Style</b>	No Locating Pegs
<b>Number of contacts (per row)</b>	23
<b>Number of contacts (Total)</b>	23
<b>Number of rows</b>	1
<b>Orientation</b>	Vertical
<b>Packaging</b>	Tube
<b>Mating half</b>	Mates with 0.64 mm (0.025 in.) Square pins.
<b>Series Number</b>	75915

### Dimensional

<b>Thickness (Board)</b>	1.6 mm (0.062 in.) or 2.36 mm (0.093 in.)
<b>Footprint (Board)</b>	2.54 mm x 2.54 mm (0.1 in. x 0.1 in.)

### Electrical

<b>Current rating</b>	3A max. per Contact/2A max. per Contact for Full Load
<b>Resistance (Contact)</b>	15 milli ohms Initial, 20 milli ohms After test
<b>Resistance (Insulation)</b>	100000 M-ohms
<b>Voltage rating</b>	1000V rms

### Mechanical

<b>Insertion force</b>	1.50N (150 gf) per Contact
<b>Withdrawal Force</b>	0.3N (30 gf) min. per Contact

### Mounting

<b>Solder process</b>	Compatible with Wave Soldering Processes
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### Physical

<b>Color (Housing)</b>	Blue
<b>Material (Contact)</b>	Phosphor Bronze
<b>Material (Housing)</b>	Glass - Filled Thermoplastic Polyester
<b>Plating (Contact area)</b>	0.76 µm (30 µin.) Gold
<b>Plating (Tail)</b>	2.54 µm (100 µin.) Tin
<b>Underplating (Contact)</b>	1.27 µm (50 µin.) Nickel
<b>Flammability rating</b>	UL 94 V-0
<b>Temperature (Range)</b>	-65 °C to +125 °C

### Approvals / Certifications

<b>UL File Number</b>	E66906
<b>CSA File Number</b>	LR46923
<b>Approvals / Certifications</b>	UL and CSA Approved

PRODUCT NUMBER  
75915-YXXXLF

WHEN NEEDED, SUFFIX LETTER "LF"  
INDICATES THE PRODUCT IS RoHS  
COMPATIBLE, SEE NOTE 6

OPTIONAL LETTER.

G: HIGH TEMPERATURE BLACK PRODUCT.

H: HIGH TEMPERATURE GREY PRODUCT.

NUMBER OF POSITIONS: 02 TO 50.

PLATING CODE

3= 0.76µm GOLD ON CONTACT AREA.

3.81µm TIN-LEAD ON TAIL.

4= 5µm TIN-LEAD ON CONTACT AREA.

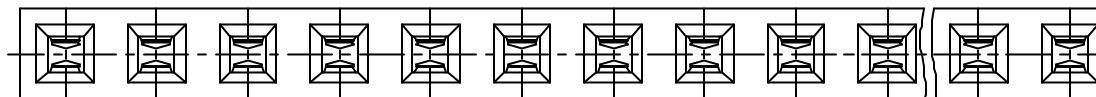
3.81µm TIN-LEAD ON TAIL.

8= 0.38µm GOLD ON CONTACT AREA.

3.81µm TIN-LEAD ON TAIL.

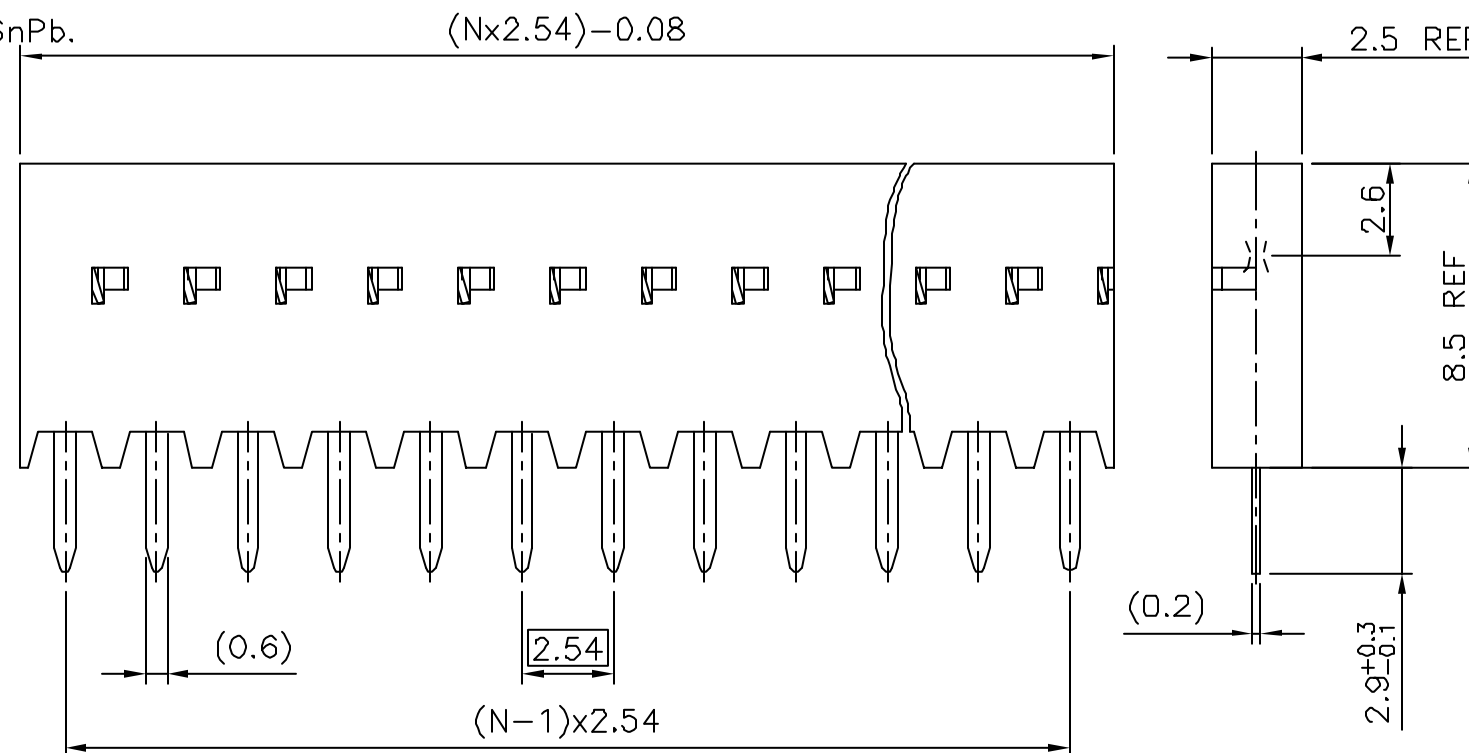
WHEN SUFFIX "LF" IS REQUIRED, 2µm MIN MATTE

TIN OVER 1.27 MIN Ni IS SUPPLIED INSTEAD OF SnPb.



NOTES:

- 1 - HOUSING MAT'L: THERMOPLASTIC GLASS FILLED  
FLAME RETARDANT PER UL 94 V-0.  
LOW TEMPERATURE: COLOR BLUE.  
HIGH TEMPERATURE: COLOR GREY OR BLACK.
- 2 - TERMINAL MATERIAL: PHOSPHOR BRONZE.
- 3 - 2 UP TO 4 POSITIONS PRODUCT PACKED IN PLASTIC BOX.  
5 UP TO 50 POSITIONS PRODUCT PACKED IN TUBE.
- 4 - TO DETERMINE DIMENSIONS:  
N = NUMBER OF POSITIONS  
EXAMPLE: 8 POS: (Nx2.54)-0.08=20.24 mm
- 5 - HE13 PRINTING ON 75915-3xx PRODUCT.
- 6 - RoHS COMPATIBLE PRODUCT SPECIFICATIONS
  - a - PLATING:
    - "LF" MEANS THE PRODUCT IS LEAD-FREE,  
2µm MINIMUM MATTE TIN OVER 1.27µm  
MINIMUM NICKEL UNDERPLATE.
  - b - MANUFACTURING PROCESS COMPATIBILITY
    - THE HOUSING WILL WITHSTAND EXPOSURE TO  
260°C ±5°C SOLDER BATH TEMPERATURE FOR  
5 SECONDS IN A WAVE SOLDER APPLICATION  
WITH A 1.6mm MIN THICK CIRCUIT BOARD.
  - c - LABELING:
    - MEETS PACKAGING SPECS AS PER GS-14-920
  - d - LEGAL STATEMENT: SEE GS-22-008
- 7 - PRINTING & HOLE PATTERN SEE NEXT SHEET.



mat'l. code SEE NOTE 1				surface ISO 1302 ✓	tolerance ISO 406 ISO 1101	projection mm	product family DUBOX		
ltr	ecn na	dr	date	tolerances unless otherwise specified		mm	title BtB RECEPT. VERT SR TMT		
AD	F06-0204	DLE	06.06.20	angles	Linear		scale 5:1	dwg no 75915	
AE	F07-0109	DLE	07.01.16	±2'				sheet 1 of 2 size A3	
AF	F09-0030	LMU	09.03.16			type CUSTOMER Drawing			
AA	F04-0347	DLE	04.09.23	dr	D.LEGRAND	96.04.01			
AB	F05-0230	DLE	05.08.08	enr	P.NIZZI	96.04.01			
AC	F06-0150	DLE	06.03.17	chr	D.LEGRAND	96.04.01			
				appd	P.NIZZI	96.04.01			
sheet index	revision	AF	D						
	sheet	1	2						



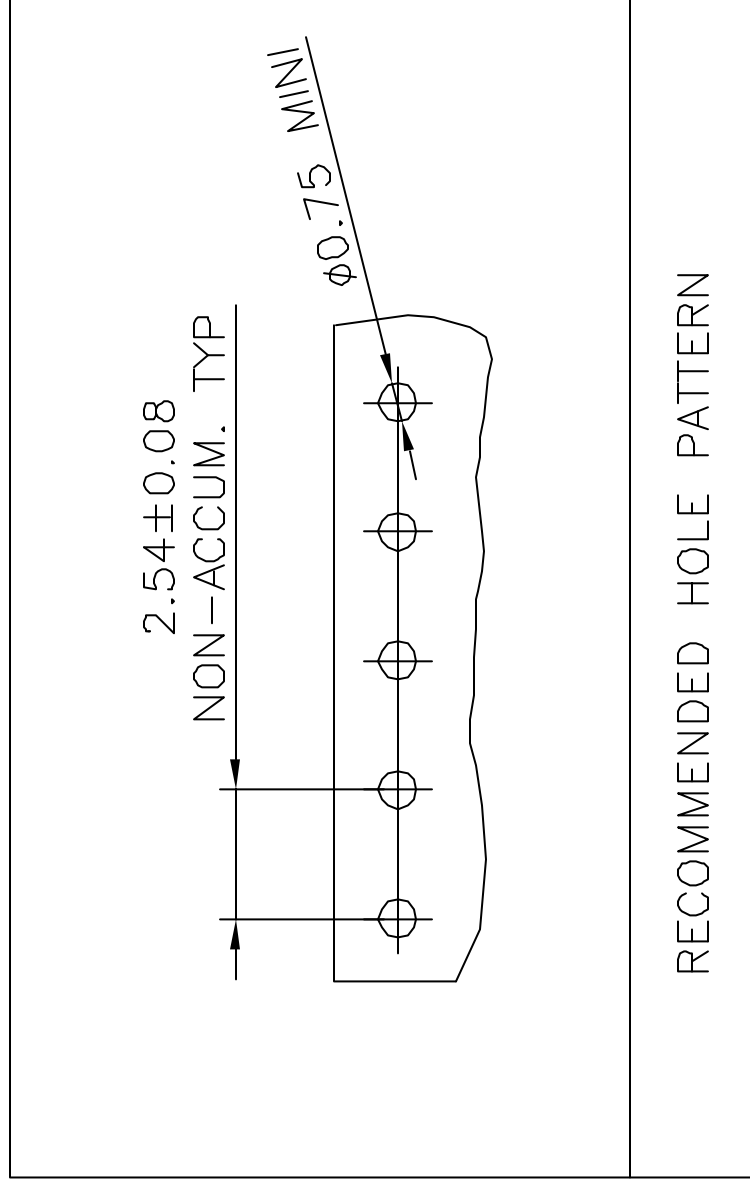
Copyright FCI

A

B

C

D



RECOMMENDED HOLE PATTERN

Copyright FCI

FCIconnect.com



mat'l. code		surface		tolerance		projection		product family		
SEE SHEET 1		ISO 1302 ✓		ISO 406 ISO 1101				DUBOX		
ltr ecn no dr		tolerances unless otherwise specified		±0.3		mm		title		
A	F04-0347	DLE	04.09.23	linear		scale N/A		BtB RECEPT.		
B	F05-0230	DLE	05.08.08	±2°				VERT SR TMT		
C	F06-0204	DLE	06.06.20	D.LEGRAND				dwg no		
D	F07-0109	DLE	07.01.16	P.NIZZI		sheet 2 of -		size		
				D.LEGRAND		04.09.23		75915		
				P.NIZZI		04.09.23		A4		
				D.LEGRAND		04.09.23		type		
				P.NIZZI		04.09.23		CUSTOMER		
				appd				Drawing		
sheet	revision									
index	sheet									