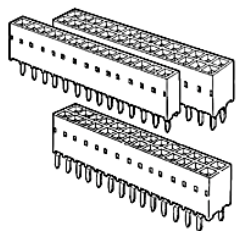


**75915-318LF - DUBOX™ : 18  
Position PCB Mounted  
Receptacle Through Mount,  
Top Entry, Single Row**



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## Mating Half

77311-401-18LF

## Specifications

### General

<b>Hold Down Style</b>	No Locating Pegs
<b>Number of contacts (per row)</b>	18
<b>Number of contacts (Total)</b>	18
<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> <b>Underplating (Contact)</b>	2.54 $\mu\text{m}$ (100 $\mu\text{in.}$ ) Tin 1.27 $\mu\text{m}$ (50 $\mu\text{in.}$ ) Nickel
<b>Flammability rating</b>	UL 94 V-0
<b>Temperature (Range)</b>	-65 °C to +125 °C
<b>Approvals / Certifications</b>	
<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.

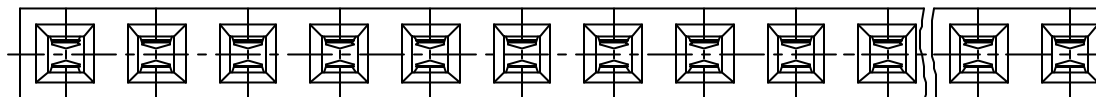
3.81µm TIN-LEAD ON TAIL.

8= 0.38µm GOLD ON CONTACT AREA.

3.81µm TIN-LEAD ON TAIL.

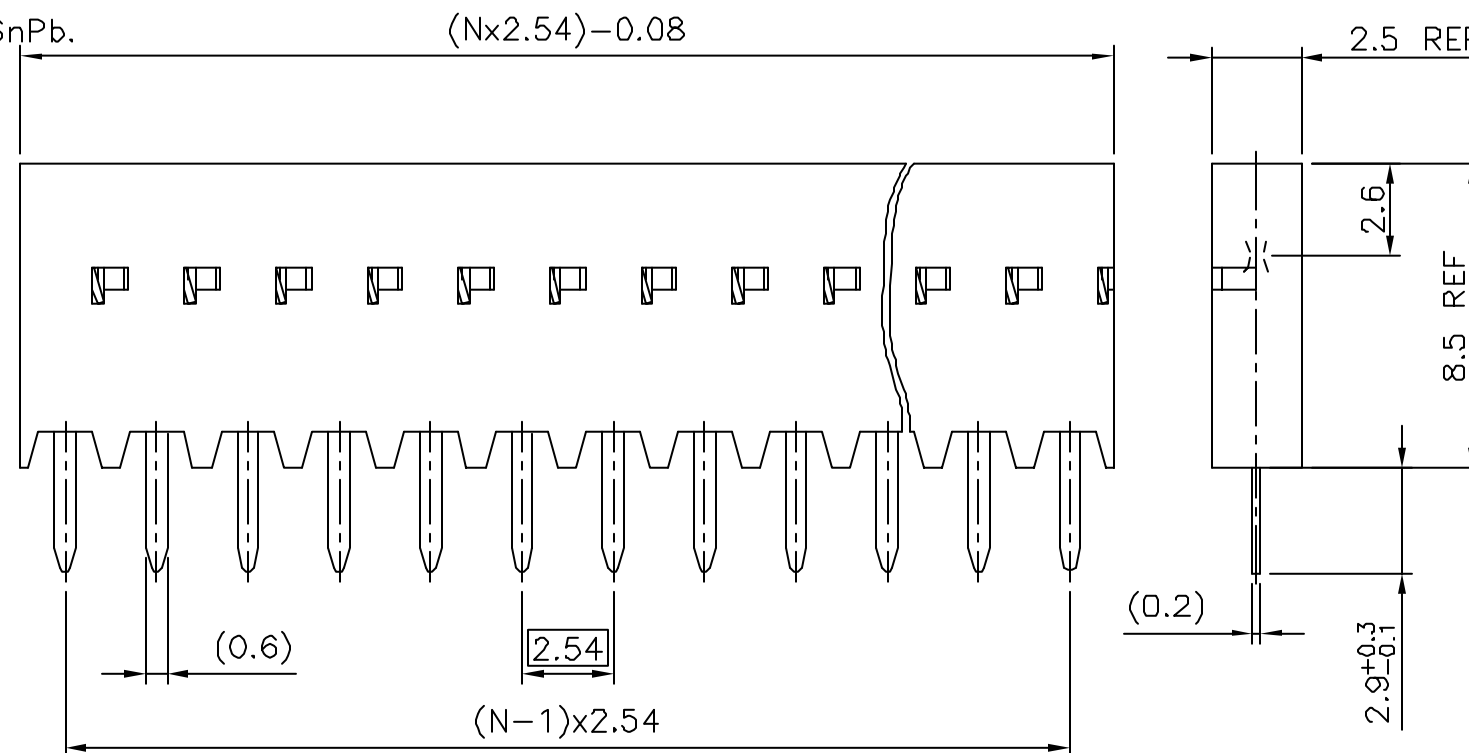
WHEN SUFFIX "LF" IS REQUIRED, 2µm MIN MATTE

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						



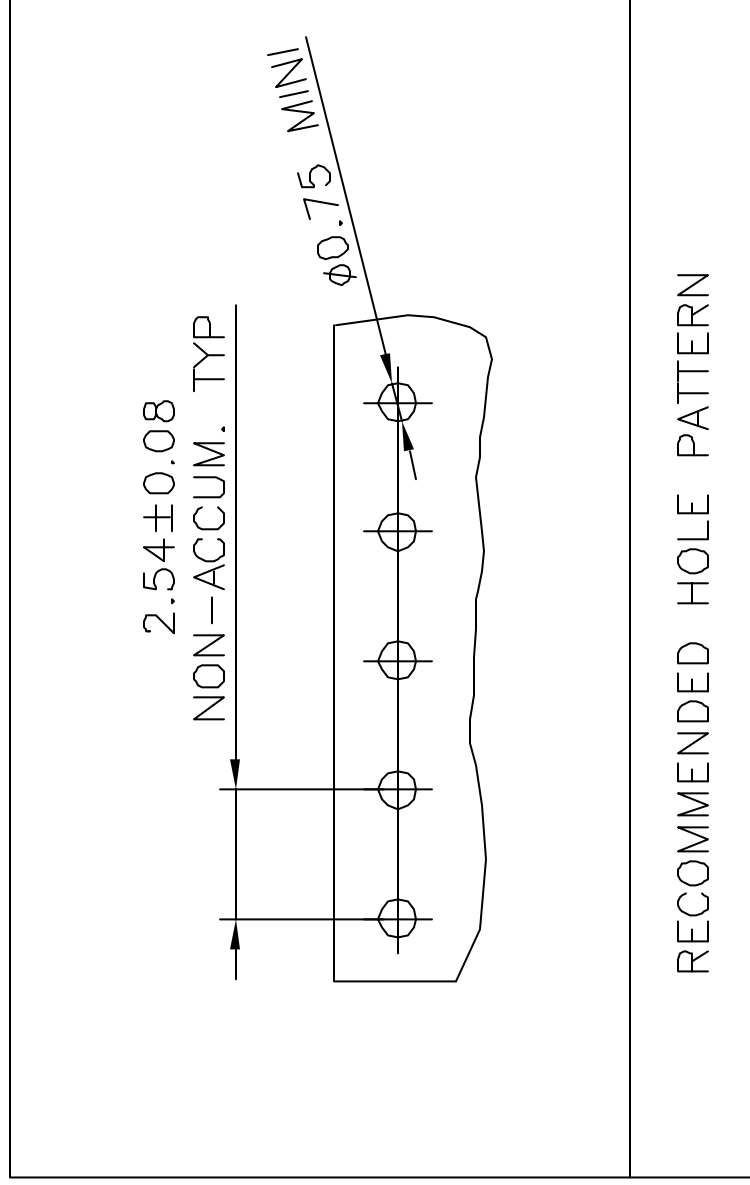
Copyright FCI

A

B

C

D



RECOMMENDED HOLE PATTERN

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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		mm		title			
A	F04-0347	DLE	±0.3		mm		BtB RECEPT.			
B	F05-0230	DLE	angles	linear		scale N/A		VERT SR TMT		
C	F06-0204	DLE	±2'			FCI		dwg no		
D	F07-0109	DLE	D.LEGRAND	D.LEGRAND	04.09.23	sheet 2 of - size		75915		
			engr	P.NIZZI	04.09.23	A4		CUSTOMER		
			chr	D.LEGRAND	04.09.23	Drawing		type		
			appd	P.NIZZI	04.09.23					
sheet	revision									
index	sheet									