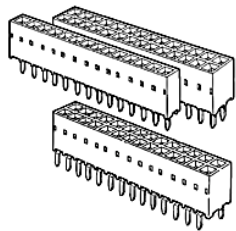


**76342-315LF - DUBOX™ : 30  
Position PCB Mounted  
Receptacle Through Mount,  
Top Entry, Double Row**



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

### Mating Half

▷ 77313-101-30LF

▷ 95278-101-30LF

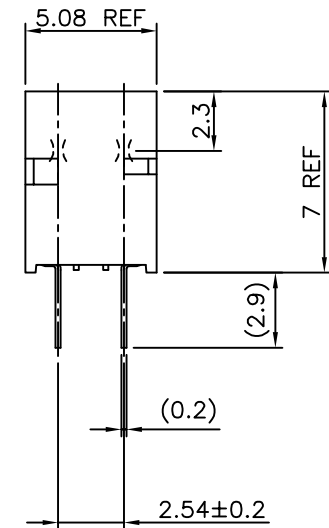
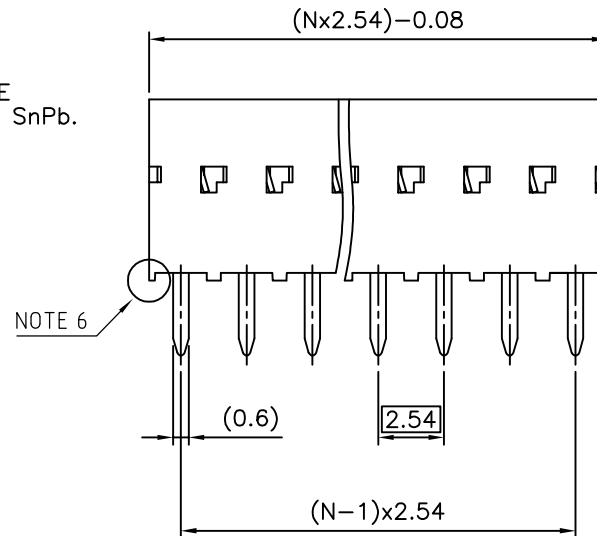
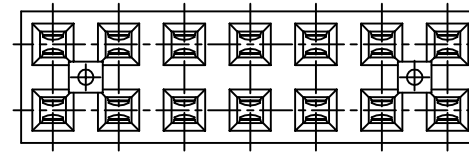
### Specifications

<b>General</b>	
Hold Down Style	No Locating Pegs
Number of contacts (per row)	15
Number of contacts (Total)	30
Number of rows	2
Orientation	Vertical
Packaging	Tube
Mating half	Mates with 0.64 mm (0.025 in.) Square pins.
Series Number	76342
<b>Dimensional</b>	
Thickness (Board)	1.6 mm (0.062 in.) or 2.36 mm (0.093 in.)
Footprint (Board)	2.54 mm x 2.54 mm (0.1 in. x 0.1 in.)
<b>Electrical</b>	
Current rating	3A max. per Contact/2A max. per Contact for Full Load
Resistance (Contact)	15 milli ohms Initial, 20 milli ohms After test
Resistance (Insulation)	100000 M-ohms
Voltage rating	1000V rms
<b>Mechanical</b>	
Insertion force	1.50N (150 gf) per Contact
Withdrawal Force	0.3N (30 gf) min. per Contact
<b>Mounting</b>	
Solder process	Compatible with Wave Soldering Processes
<b>Physical</b>	
Color (Housing)	Blue
Material (Contact)	Phosphor Bronze
Material (Housing)	Glass - Filled Thermoplastic Polyester
Plating (Contact area)	0.76 µm (30 µin.) Gold

<b>Plating (Tail)</b>	3.81µm (150 µin.) Tin-Lead
<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
<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  
76342-YXXXXLF

WHEN NEEDED, SUFFIX LETTER "LF"  
INDICATES THE PRODUCT IS RoHS  
COMPATIBLE, SEE NOTE 10  
OPTIONAL LETTER  
H: HIGH TEMPERATURE PRODUCT.  
C: PACKAGED IN SHORT TUBE.  
NUMBER OF POSITIONS PER ROW: 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.  
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.
  - 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 PER ROW  
EXAMPLE: 8 POS: (N x 2.54) - 0.08 = 20.24 mm
  - 5 - 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
- 6 - END STAND-OFFS FOR 2x2 UP TO 2x5 POS  
NO END STAND-OFFS FOR 2x6 UP TO 2x50 POS

mat'l. code SEE NOTES 1 & 2		surface ISO 1302		tolerance ISO 406 ISO 1101		projection mm		product family DUBOX	
ltr	ecn no	dr	date	tolerances unless otherwise specified		mm		title	
S	F10342	DLE	01.06.12	angles	linear	±0.3		BtB RECEPT. VERT DR TMT	
U	F06-0137	DLE	06.02.27	±2°		scale 5:1		sheet 1 of 2	
V	F06-0204	DLE	06.06.20	dr	D LEGRAND	04.09.27	FCI		size A3
W	F11-0043	JCO	12.02.22	enr	P NIZZI	04.09.27	76342		
R	F10110	GCO	01.01.16	chr	D LEGRAND	04.09.27	type CUSTOMER		Drawing
sheet index	revision sheet	W	B						
		1	2						

1

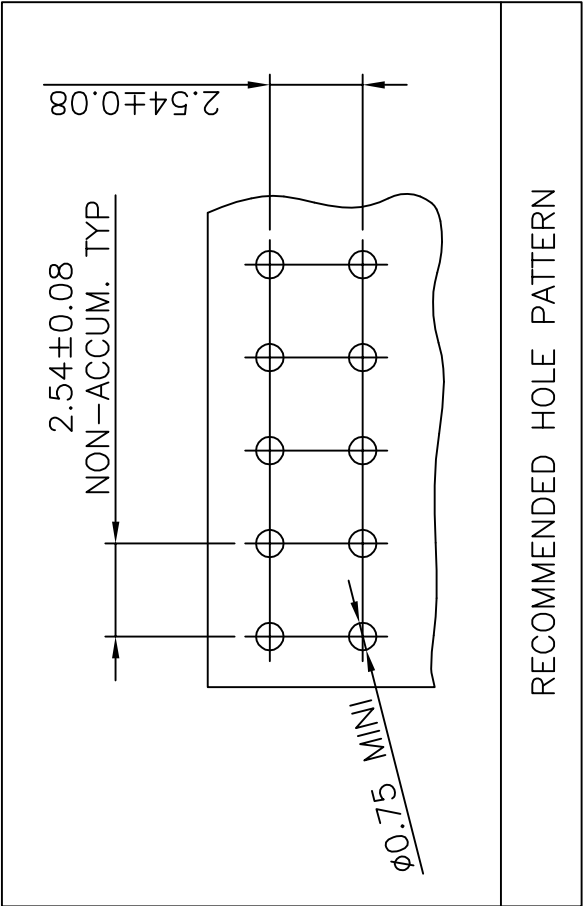
2

A

B

C

D



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PDM: Rev:W

STATUS: Released

Printed: Mar 20, 2012

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mat'l. code		SEE SHEET 1		surface		tolerance		projection		product family	
lfr		ecn no		ISO 1302		ISO 406		ISO 1101		DUBOX	
date		dr		tolerances unless otherwise specified		tolerances unless otherwise specified		mm		title	
04.09.27		04.09.27		angles		linear		mm		BtB RECEPT. VERT DR TMT	
06.06.20		06.06.20		±2°		±0.3		scale 5:1		dwg no	
				dr		D LEGRAND		04.09.27		sheet 2 of 2	
				engr		P NIZZI		04.09.27		size	
				chr		D LE		04.09.27		A4	
				appd		P NZ		04.09.27		type	
revision		sheet								CUSTOMER	
sheet		index								Drawing	
										76342	
										FCI	
										FCI	

form: A4

1

2

A

B

C

D