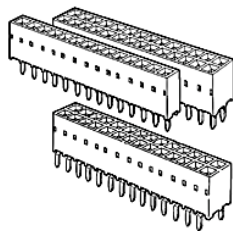


**75915-320LF - DUBOX™ : 20
Position PCB Mounted
Receptacle Through Mount,
Top Entry, Single Row**



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Mating Half

77311-401-20LF

Specifications

General

Hold Down Style	No Locating Pegs
Number of contacts (per row)	20
Number of contacts (Total)	20
Number of rows	1
Orientation	Vertical
Packaging	Tube
Mating half	Mates with 0.64 mm (0.025 in.) Square pins.
Series Number	75915

Dimensional

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.)

Electrical

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

Mechanical

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

Mounting

Solder process	Compatible with Wave Soldering Processes
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Physical

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

Approvals / Certifications	
UL File Number	E66906
CSA File Number	LR46923
Approvals / Certifications	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.

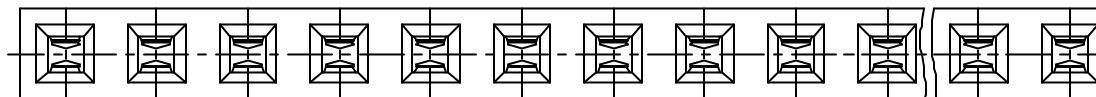
3.81µm TIN-LEAD ON TAIL.

8= 0.38µm GOLD ON CONTACT AREA.

3.81µm TIN-LEAD ON TAIL.

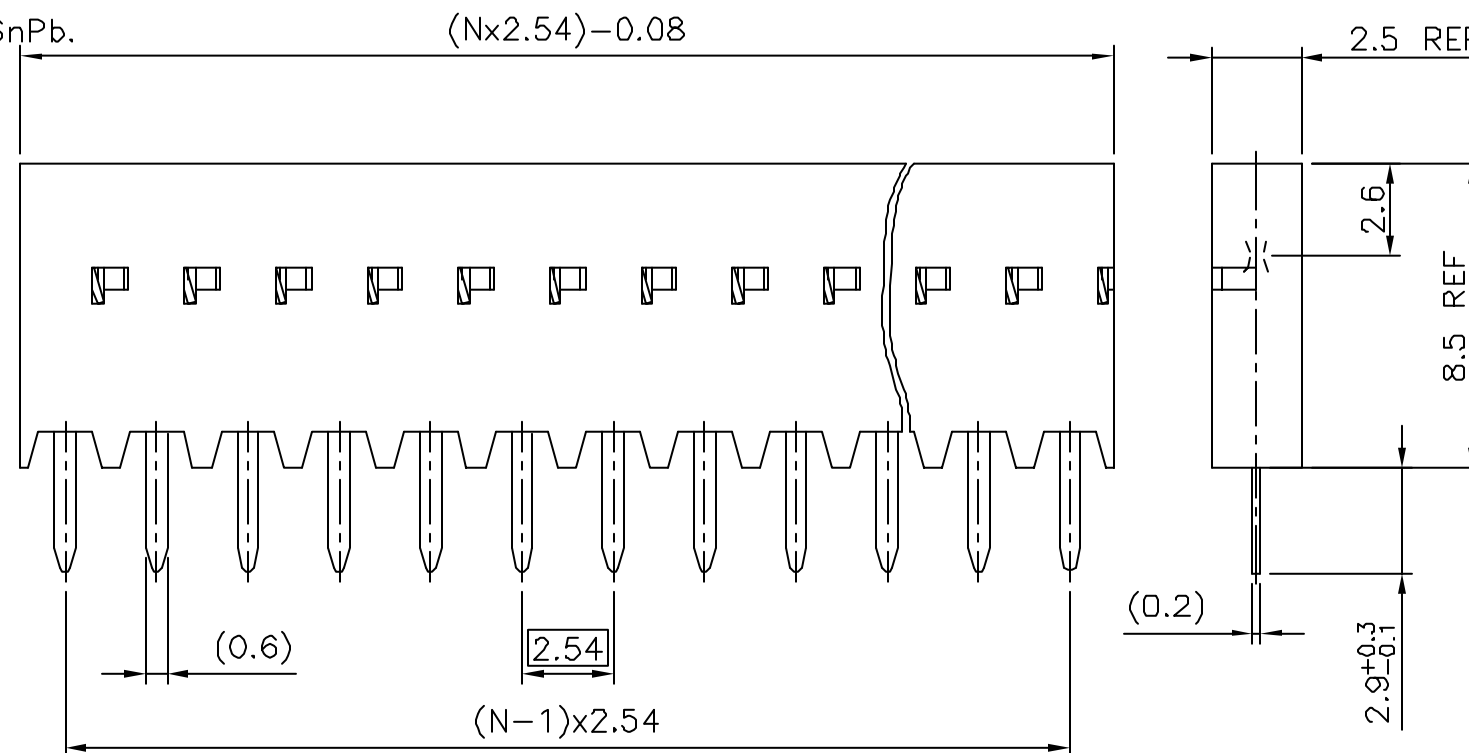
WHEN SUFFIX "LF" IS REQUIRED, 2µm MIN MATTE

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.



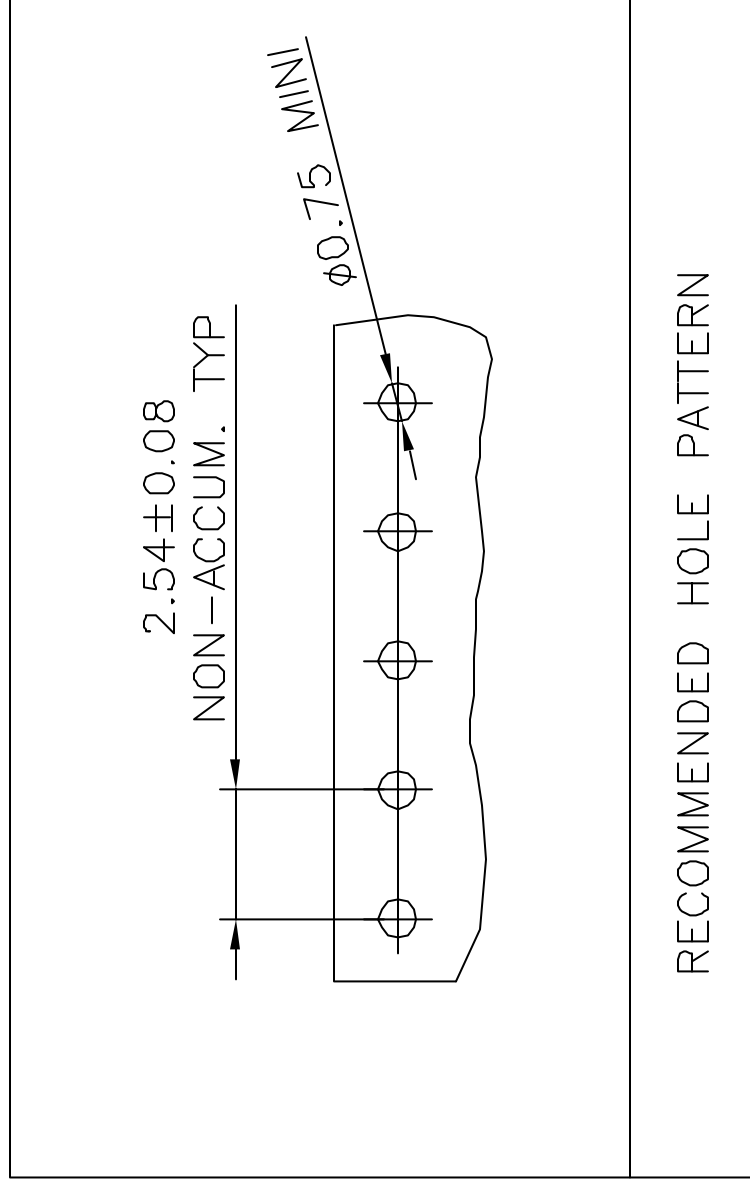
mat'l. code SEE NOTE 1		surface ISO 1302 ✓		tolerance ISO 406 ISO 1101		projection mm		product family DUBOX	
ltr	ecn na dr date	tolerances unless otherwise specified		±0.3		mm		title BtB RECEPT. VERT SR TMT	
AD	F06-0204 DLE 06.06.20	angles		Linear		scale 5:1		dwg no 75915	
AE	F07-0109 DLE 07.01.16	±2'				FCJ		sheet 1 of 2 size A3	
AF	F09-0030 LMU 09.03.16	dr		D.LEGRAND 96.04.01				type CUSTOMER Drawing	
AA	F04-0347 DLE 04.09.23	enrg		P.NIZZI 96.04.01					
AB	F05-0230 DLE 05.08.08	chr		D.LEGRAND 96.04.01					
AC	F06-0150 DLE 06.03.17	appd		P.NIZZI 96.04.01					
sheet index	revision sheet	AF	D	1	2				

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