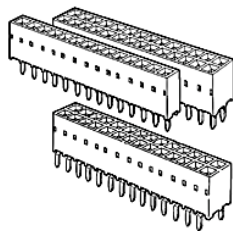


**87606-332LF - DUBOX™ : 64**  
**Position PCB Mounted**  
**Receptacle, Through Mount,**  
**Top Entry, Double Row**



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## Mating Half

77313-101-64LF

## Specifications

### General

<b>Hold Down Style</b>	No Locating Pegs
<b>Number of contacts (per row)</b>	32
<b>Number of contacts (Total)</b>	64
<b>Number of rows</b>	2
<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>	87606

### 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>	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

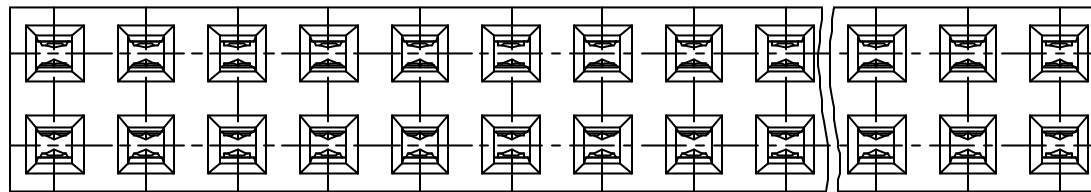
<b>Approvals / Certifications</b>	
<b>UL File Number</b>	E66906
<b>Approvals / Certifications</b>	UL and CSA Approved

PRODUCT NUMBER  
87606-YXXXLF

WHEN NEEDED, SUFFIX LETTER "LF"  
INDICATES THE PRODUCT IS RoHS  
COMPATIBLE, SEE NOTE 10  
OPTIONAL LETTER SEE NOTE 6  
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.  
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-O COLOR: BLUE.
- 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:  $(N \times 2.54) - 0.08 = 20.24$  mm

- 5 - HE13 PRINTING ON 87606-3XX PRODUCT.
- 6 - A LETTER "H" AT THE END OF THE PART NUMBER  
TO INDICATE A HIGH TEMP. PRODUCT  
HOUSING MAT'L: THERMOPLASTIC GLASS FILLED  
FLAME RETARDANT PER UL 94 V-O COLOR: GREY.

7 - 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

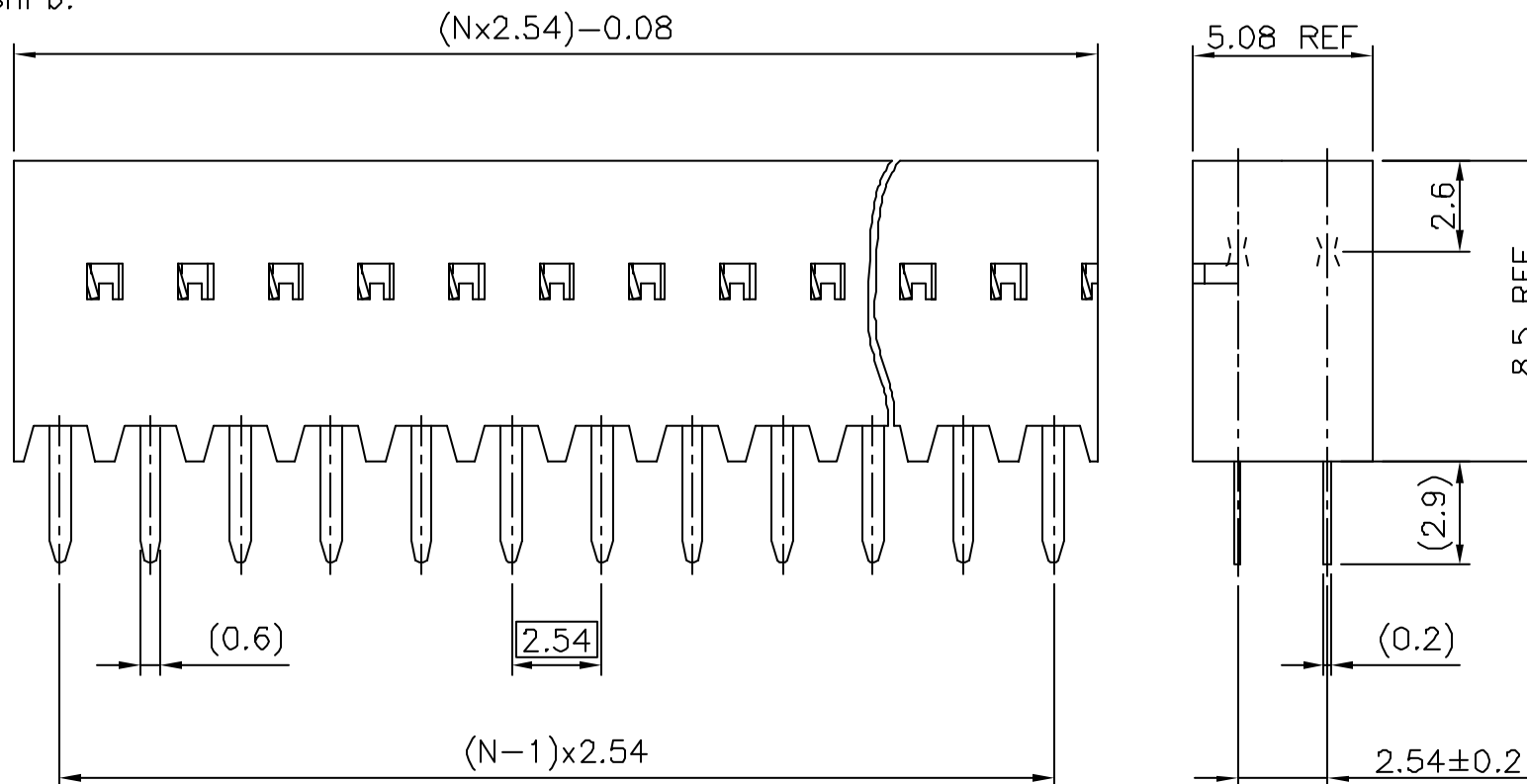
- THE HOUSING WILL WITHSTAND EXPOSURE TO  
260°C ±5°C SOLDER BATH TEMPERATURE FOR  
5 SECONDS IN A WAVE SOLDER APPLICATION  
WITH A 1.6mm MIN THICK CIRCUIT BOARD.

c - LABELING:

- MEETS PACKAGING SPECS AS PER GS-14-920

d - LEGAL STATEMENT: SEE GS-22-008

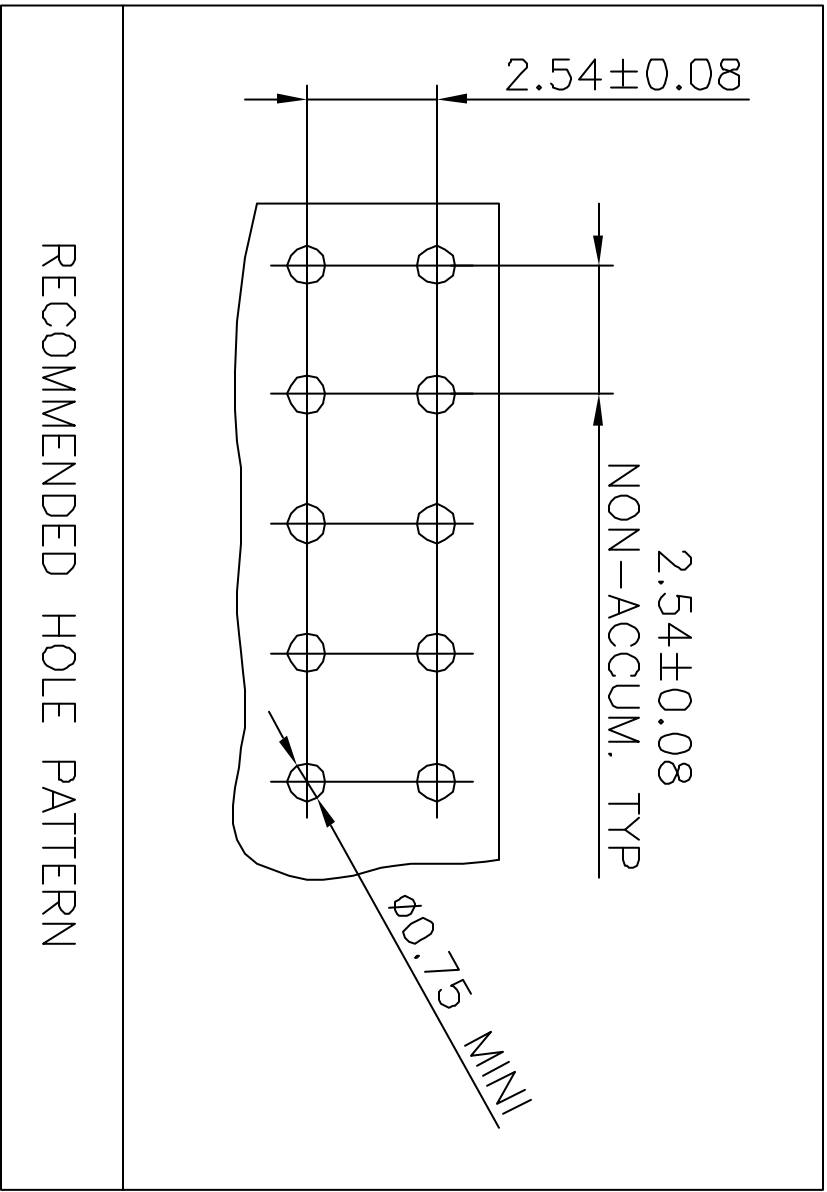
- 8 - PRINTING & HOLE PATTERN SEE NEXT SHEET.



mat'l. code SEE NOTE 1		surface ISO 1302 ✓		tolerance ISO 416 ISO 1101		projection mm		product family DUBOX	
ltr	ecn no	dr	date	tolerances unless otherwise specified		mm		title BtB RECEPT. VERT DR TMT	
K	F04-0347	DLE	04.09.23	angles	Linear	±0.3		scale 5:1	
L	F05-0230	DLE	05.08.08	±2'		FCJ		dwg no 87606	
M	F06-0204	DLE	06.06.21	dr		D LEGRAND		sheet 1 of 2	
N	F07-0109	DLE	07.01.16	enr		P NIZZI		size A3	
H	F10353	DLE	01.06.20	chr		D LE		type CUSTOMER Drawing	
J	F04-0345	DLE	04.09.22	appd		P NZ			
sheet index	revisian sheet	N	D						
		1	2						



2



mat'l. code		SEE SHEET 1		surface		ISO 1302		tolerance		ISO 406		ISO 1101		projection		product family		DUBOX	
ltr	ecn no	dr	date	tolerances unless otherwise specified		angles		linear		±0.3		mm		scale 5:1		title		BtB RECEIPT.	
A	F04-0347	DLE	04.09.23													dwg no		87606	
B	F05-0230	DLE	05.08.08													sheet 2 of 2		A4	
C	F06-204	DLE	06.06.21	±2'												type		CUSTOMER Drawing	
D	F07-0109	DLE	07.01.16	D LEGRAND		D LEGRAND		04.09.23		04.09.23		04.09.23		04.09.23		size		A4	
sheet index		revision		engr		P NIZZI		04.09.23		04.09.23		04.09.23		04.09.23		chr		D LE	
sheet index		revision		appd		P NZ		04.09.23		04.09.23		04.09.23		04.09.23		appd		P NZ	